01 - 01

Environmental Technology
of North America, Inc.
A HazWaste Company

November 04, 1994

Mr. Bobby Lutfy, Hydrogeologist
Solid Waste Section
North Carolina Dept. of Environment,
Health, & Natural Resources
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605

RE: Alamance County
Swepsonville Landfill
Monitoring Well and Surface Water Sampling
Analytical Report

Dear Mr. Lutfy:

Environmental Technology of North America, Inc. (ETI) has completed Series 1 water sampling at the above referenced site. Attached is the laboratory report for the Appendix I metals/organics and mercury as required. A quality assurance check of the data indicates that all practical quantitation limits (PQLs) are at or better than those specified in Solid Waste Section guidelines.

Please call 910-299-9998 if you have any questions.

Sincerely,

Michael J. Lamore, PE
Vice President

Eric K. Lintz
Project Manager/Geologist

MJL/EKL/ekl
attachments

cc: Alvin Cagle (Landfill Manager, Alamance County)

311-J SOUTH WESTGATE DRIVE ▪ GREENSBORO, NORTH CAROLINA 27407
TELEPHONE 910-299-9998 ▪ EMERGENCY 800-228-SPIL
FAX 910-299-0655

ATLANTA ▪ BOWLING GREEN ▪ CHARLESTON ▪ GREENSBORO ▪ RICHMOND ▪ ROANOKE ▪ WOODBRIDGE

Alamance County Landfill
Old Swepsonville Landfill

Environmental Tech. of North America, Inc.
Last File Update: 11/04/94

FIELD PARAMETERS

LOCATION	Temp (deg. F)	pH (mg/l)	Conductivity (u/cm)
MW-1	59.1	5.50	170.0
MW-2	59.8	5.85	319.0
MW-3	60.0	6.43	126.0
MW-4	59.7	5.66	2220.0
MW-5	61.1	5.70	287.0
MW-6	59.8	6.40	592.0
MW-7A	59.3	7.20	258.0
MW-7B	58.5	6.48	125.0
MW-8A	62.0	6.05	56.1
MW-8B	62.0	5.50	46.7
MW-9	59.8	6.10	82.0
S-1	60.6	7.32	205.0
S-2	56.9	6.60	139.0

Alamance County Landfill
Swepsonville Site

Collected By: Environmental Technology, Inc.
Last Revised: 11/04/94

WELL NO.	DATE	WELL HEAD ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICKNESS	GROUND WATER ELEVATION	CORRECTED POTENTIOMETRIC SURFACE	REMARKS
Measurements in Feet								
MW-1	08/12/94	574.67	N/A	25.95	0.00	548.72	548.72	
MW-2	08/13/94	510.67	N/A	26.86	0.00	483.81	483.81	
MW-3	08/13/94	466.63	N/A	10.50	0.00	456.13	456.13	
MW-4	08/13/94	497.57	N/A	36.20	0.00	461.37	461.37	
MW-5	08/13/94	476.56	N/A	16.39	0.00	460.17	460.17	
MW-6	08/13/94	529.50	N/A	21.61	0.00	507.89	507.89	
MW-7A	08/13/94	553.09	N/A	27.93	0.00	525.16	525.16	
MW-7B	08/13/94	554.12	N/A	28.35	0.00	525.77	525.77	
MW-8A	08/12/94	591.08	N/A	24.31	0.00	566.77	566.77	
MW-8B	08/12/94	591.25	N/A	23.70	0.00	567.55	567.55	
MW-9	08/12/94	568.78	N/A	17.65	0.00	551.13	551.13	

Bionomics Laboratory, Inc.
South Carolina Division

200 Rich Lex Drive
Lexington, South Carolina 29072
Phone: (803) 796-8989
Fax: (803) 796-1602
South Carolina Certification Number: 96012
South Carolina Lab ID Number: 32117

ENVIRONMENTAL TECHNOLOGY, INC
311-J SOUTH WESTGATE DRIVE
GREENSBORO, NC 27407

Attn: TERRY KUNEFF
Invoice Number:

Order #: B4-10-307
Date: 11/02/94 17:57
Work ID: PROJ #1452 ALAMACE COUNTY
Date Received: 10/17/94
Date Completed: 11/02/94
Client Code: ETI_GREEN_TK

SAMPLE IDENTIFICATION

Sample Number	Sample Description
01	TRIP BLANK
02	FIELD BLANK
03	MW-1
04	MW-2
05	MW-3
06	MW-4
07	MW-5
08	MW-6
09	MW-7A
10	MW-8A
11	MW-9
12	MW-8B
13	MW-7B
14	SW-1
15	SW-2

Teresa Hubbard
Certified By
TERESA HUBBARD, LAB MGR

TEST RESULTS BY SAMPLE

Sample: 01C TRIP BLANK **Collected: 10/14/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

Sample: 02C FIELD BLANK **Collected: 10/14/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

Sample: 03C MW-1 **Collected: 10/13/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	KS

Sample: 04C MW-2 **Collected: 10/13/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	KS

Sample: 05C MW-3 **Collected: 10/13/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	0.0002	0.0002	mg/L	10/20/94	KS

Sample: 06C MW-4 **Collected: 10/13/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

Sample: 07C MW-5 **Collected: 10/14/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	0.0007	0.0002	mg/L	10/20/94	SK

Sample: 08C MW-6 **Collected: 10/14/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

Sample: 09C MW-7A **Collected: 10/13/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

Sample: 10C MW-8A **Collected: 10/12/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

TEST RESULTS BY SAMPLE

Sample: 11C MW-9 **Collected: 10/13/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

Sample: 12C MW-8B **Collected: 10/12/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

Sample: 13C MW-7B **Collected: 10/13/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

Sample: 14C SW-1 **Collected: 10/13/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

Sample: 15C SW-2 **Collected: 10/14/94**

Test Description	Result	Limit	Units	Analyzed	By
MERCURY	BDL	0.0002	mg/L	10/20/94	SK

TEST RESULTS BY SAMPLE

Sample Description: TRIP BLANK
Test Description: APPENDIX 1 METALS
Collected: 10/14/94 12:00

Lab No: 01A
Method: VARIOUS
Test Code: A1METW

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	BDL	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	BDL	0.0001	10/26/94	SW
Chromium	by 6010	BDL	0.005	10/26/94	SW
Cobalt	by 6010	BDL	0.01	10/31/94	KS
Copper	by 6010	0.025	0.01	10/28/94	KS
Lead	by 7421	BDL	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	0.031	0.01	10/28/94	MM
Thallium	by 7841	BDL	0.002	10/26/94	SW
Vanadium	by 6010	BDL	0.03	10/31/94	KS
Zinc	by 6010	BDL	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: TRIP BLANK
Test Description: APPENDIX 1 VOC BY 8260
Collected: 10/14/94 12:00

Lab No: 01B
Method: EPA 8260
Test Code: A1VOLW

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: TRIP BLANK
Lab No: 01B
Test Description: APPENDIX 1 VOC BY 8260
Method: EPA 8260
Test Code: A1VOLW
Collected: 10/14/94 12:00

74-88-4			
Carbon disulfide	BDL	10	U
75-15-0			
Dichloromethane (MeCl2)	BDL	5	U
75-09-2			
Acrylonitrile	BDL	100	U
107-13-1			
trans-1,2-Dichloroethene	BDL	5	U
156-60-5			
1,1-Dichloroethane	BDL	5	U
75-34-3			
Vinyl acetate	BDL	50	U
108-05-4			
2-Butanone (MEK)	BDL	10	U
78-93-3			
cis-1,2-Dichloroethene	BDL	5	U
156-59-2			
Bromochloromethane	BDL	5	U
74-97-5			
Chloroform	BDL	5	U
67-66-3			
1,1,1-Trichloroethane	BDL	5	U
71-55-6			
Carbon tetrachloride	BDL	5	U
56-23-5			
Benzene	BDL	5	U
71-43-2			
1,2-Dichloroethane	BDL	5	U
107-06-2			
Trichloroethene	BDL	5	U
79-01-6			
1,2-Dichloropropane	BDL	5	U
78-87-5			
Dibromomethane	BDL	5	U
74-95-3			
Bromodichloromethane	BDL	5	U
75-27-4			
4-Methyl-2-Pentanone (MIBK)	BDL	10	U
108-10-1			
cis-1,3-Dichloropropene	BDL	5	U
10061-01-5			
Toluene	BDL	5	U
108-88-3			
trans-1,3-Dichloropropene	BDL	5	U
10061-02-6			
1,1,2 Trichloroethane	BDL	5	U
79-00-5			
2-Hexanone	BDL	10	U
591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: TRIP BLANK Lab No: 01B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 12:00

Tetrachloroethene	127-18-4	BDL	5	U
Dibromochloromethane	124-48-1	BDL	5	U
1,2-Dibromoethane (EDB)	103-96-4	BDL	5	U
Chlorobenzene	108-90-7	BDL	5	U
Ethylbenzene	100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane	630-20-6	BDL	5	U
M & P - Xylene	108-38-3	BDL	10	U
O - Xylene	95-47-6	BDL	5	U
Styrene	100-42-5	BDL	5	U
Bromoform	75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane	79-34-5	BDL	5	U
1,2,3-Trichloropropane	96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene	110-57-6	BDL	5	U
1,4-Dichlorobenzene	106-46-7	BDL	5	U
1,2-Dichlorobenzene	95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane	96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	96	88	-	116
Toluene-d8	101	76	-	118
4-Bromofluorobenzene	99	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/27/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29205
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: FIELD BLANK
Test Description: APPENDIX 1 METALS
Collected: 10/14/94 12:00

Lab No: 02A
Method: VARIOUS
Test Code: A1METW

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	BDL	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	BDL	0.0001	10/26/94	SW
Chromium	by 6010	BDL	0.005	10/26/94	SW
Cobalt	by 6010	BDL	0.01	10/31/94	KS
Copper	by 6010	BDL	0.01	10/28/94	KS
Lead	by 7421	BDL	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	BDL	0.002	10/26/94	SW
Vanadium	by 6010	BDL	0.03	10/31/94	KS
Zinc	by 6010	BDL	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: FIELD BLANK
Test Description: APPENDIX 1 VOC BY 8260
Collected: 10/14/94 12:00

Lab No: 02B
Method: EPA 8260
Test Code: A1VOLW

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	10.1	10	
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: FIELD BLANK Lab No: 02B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 12:00

74-88-4			
Carbon disulfide	BDL	10	U
75-15-0			
Dichloromethane (MeCl2)	BDL	5	U
75-09-2			
Acrylonitrile	BDL	100	U
107-13-1			
trans-1,2-Dichloroethene	BDL	5	U
156-60-5			
1,1-Dichloroethane	BDL	5	U
75-34-3			
Vinyl acetate	BDL	50	U
108-05-4			
2-Butanone (MEK)	BDL	10	U
78-93-3			
cis-1,2-Dichloroethene	BDL	5	U
156-59-2			
Bromochloromethane	BDL	5	U
74-97-5			
Chloroform	BDL	5	U
67-66-3			
1,1,1-Trichloroethane	BDL	5	U
71-55-6			
Carbon tetrachloride	BDL	5	U
56-23-5			
Benzene	BDL	5	U
71-43-2			
1,2-Dichloroethane	BDL	5	U
107-06-2			
Trichloroethene	BDL	5	U
79-01-6			
1,2-Dichloropropane	BDL	5	U
78-87-5			
Dibromomethane	BDL	5	U
74-95-3			
Bromodichloromethane	BDL	5	U
75-27-4			
4-Methyl-2-Pentanone (MIBK)	BDL	10	U
108-10-1			
cis-1,3-Dichloropropene	BDL	5	U
10061-01-5			
Toluene	BDL	5	U
108-88-3			
trans-1,3-Dichloropropene	BDL	5	U
10061-02-6			
1,1,2 Trichloroethane	BDL	5	U
79-00-5			
2-Hexanone	BDL	10	U
591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: FIELD BLANK Lab No: 02B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 12:00

Tetrachloroethene	127-18-4	BDL	5	U
Dibromochloromethane	124-48-1	BDL	5	U
1,2-Dibromoethane (EDB)	103-96-4	BDL	5	U
Chlorobenzene	108-90-7	BDL	5	U
Ethylbenzene	100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane	630-20-6	BDL	5	U
M & P - Xylene	108-38-3	BDL	10	U
O - Xylene	95-47-6	BDL	5	U
Styrene	100-42-5	BDL	5	U
Bromoform	75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane	79-34-5	BDL	5	U
1,2,3-Trichloropropane	96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene	110-57-6	BDL	5	U
1,4-Dichlorobenzene	106-46-7	BDL	5	U
1,2-Dichlorobenzene	95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane	96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	102	88	-	116
Toluene-d8	101	76	-	118
4-Bromofluorobenzene	103	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/27/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29206
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-1
Test Description: APPENDIX 1 METALS
Collected: 10/13/94 10:15

Lab No: 03A
Method: VARIOUS
Test Code: A1METW

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	0.351	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	0.0002	0.0001	10/26/94	SW
Chromium	by 6010	BDL	0.005	10/26/94	SW
Cobalt	by 6010	BDL	0.01	10/31/94	KS
Copper	by 6010	BDL	0.01	10/28/94	KS
Lead	by 7421	0.003	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	0.021	0.01	10/28/94	MM
Thallium	by 7841	BDL	0.002	10/26/94	SW
Vanadium	by 6010	BDL	0.03	10/31/94	KS
Zinc	by 6010	0.050	0.03	10/28/94	KS

also in Trip Blank ?

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-1
Test Description: APPENDIX 1 VOC BY 8260
Collected: 10/13/94 10:15

Lab No: 03B
Method: EPA 8260
Test Code: A1VOLW

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-1 Lab No: 03B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 10:15

74-88-4			
Carbon disulfide	BDL	10	U
75-15-0			
Dichloromethane (MeCl2)	BDL	5	U
75-09-2			
Acrylonitrile	BDL	100	U
107-13-1			
trans-1,2-Dichloroethene	BDL	5	U
156-60-5			
1,1-Dichloroethane	BDL	5	U
75-34-3			
Vinyl acetate	BDL	50	U
108-05-4			
2-Butanone (MEK)	BDL	10	U
78-93-3			
cis-1,2-Dichloroethene	BDL	5	U
156-59-2			
Bromochloromethane	BDL	5	U
74-97-5			
Chloroform	BDL	5	U
67-66-3			
1,1,1-Trichloroethane	BDL	5	U
71-55-6			
Carbon tetrachloride	BDL	5	U
56-23-5			
Benzene	BDL	5	U
71-43-2			
1,2-Dichloroethane	BDL	5	U
107-06-2			
Trichloroethene	BDL	5	U
79-01-6			
1,2-Dichloropropane	BDL	5	U
78-87-5			
Dibromomethane	BDL	5	U
74-95-3			
Bromodichloromethane	BDL	5	U
75-27-4			
4-Methyl-2-Pentanone (MIBK)	BDL	10	U
108-10-1			
cis-1,3-Dichloropropene	BDL	5	U
10061-01-5			
Toluene	BDL	5	U
108-88-3			
trans-1,3-Dichloropropene	BDL	5	U
10061-02-6			
1,1,2 Trichloroethane	BDL	5	U
79-00-5			
2-Hexanone	BDL	10	U
591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: MW-1 Lab No: 03B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 10:15

Tetrachloroethene 127-18-4	2.5	5	J
Dibromochloromethane 124-48-1	BDL	5	U
1,2-Dibromoethane (EDB) 103-96-4	BDL	5	U
Chlorobenzene 108-90-7	BDL	5	U
Ethylbenzene 100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane 630-20-6	BDL	5	U
M & P - Xylene 108-38-3	BDL	10	U
O - Xylene 95-47-6	BDL	5	U
Styrene 100-42-5	BDL	5	U
Bromoform 75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane 79-34-5	BDL	5	U
1,2,3-Trichloropropane 96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene 110-57-6	BDL	5	U
1,4-Dichlorobenzene 106-46-7	BDL	5	U
1,2-Dichlorobenzene 95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane 96-12-8	BDL	5	U

above 2L Standard
below PQL

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	103	88	-	116
Toluene-d8	101	76	-	118
4-Bromofluorobenzene	103	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/27/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29207
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-2 Lab No: 04A
Test Description: APPENDIX 1 METALS Method: VARIOUS Test Code: A1METW
Collected: 10/13/94 17:40

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	1.30	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	0.0026	0.0001	10/26/94	SW
Chromium	by 6010	0.104	0.005	10/26/94	SW
Cobalt	by 6010	0.058	0.01	10/31/94	KS
Copper	by 6010	0.071	0.01	10/28/94	KS
Lead	by 7421	0.007	0.003	10/27/94	SW
Nickel	by 6010	0.064	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	BDL	0.002	10/26/94	SW
Vanadium	by 6010	0.274	0.03	10/31/94	KS
Zinc	by 6010	0.326	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-2 Lab No: 04B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 17:40

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	7.5	5	—
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-2 Lab No: 04B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 17:40

Carbon disulfide	74-88-4	BDL	10	U
Dichloromethane (MeCl2)	75-15-0	BDL	5	U
Acrylonitrile	75-09-2	BDL	100	U
trans-1,2-Dichloroethene	107-13-1	BDL	5	U
1,1-Dichloroethane	156-60-5	45	5	
Vinyl acetate	75-34-3	BDL	50	U
2-Butanone (MEK)	108-05-4	BDL	10	U
cis-1,2-Dichloroethene	78-93-3	10.5	5	
Bromochloromethane	156-59-2	BDL	5	U
Chloroform	74-97-5	BDL	5	U
1,1,1-Trichloroethane	67-66-3	5.0	5	
Carbon tetrachloride	71-55-6	BDL	5	U
Benzene	56-23-5	2.7	5	J
1,2-Dichloroethane	71-43-2	BDL	5	U
Trichloroethene	107-06-2	10	5	
1,2-Dichloropropane	79-01-6	2.7	5	J
Dibromomethane	78-87-5	BDL	5	U
Bromodichloromethane	74-95-3	BDL	5	U
4-Methyl-2-Pentanone (MIBK)	75-27-4	BDL	10	U
cis-1,3-Dichloropropene	108-10-1	BDL	5	U
Toluene	10061-01-5	BDL	5	U
trans-1,3-Dichloropropene	108-88-3	BDL	5	U
1,1,2 Trichloroethane	10061-02-6	BDL	5	U
2-Hexanone	79-00-5	BDL	10	U
	591-78-6			

above 2L standard
below PQL

above 2L standard
below PQL

TEST RESULTS BY SAMPLE

Sample Description: MW-2 Lab No: 04B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 17:40

Tetrachloroethene 127-18-4	5.9	5	
Dibromochloromethane 124-48-1	BDL	5	U
1,2-Dibromoethane (EDB) 103-96-4	BDL	5	U
Chlorobenzene 108-90-7	BDL	5	U
Ethylbenzene 100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane 630-20-6	BDL	5	U
M & P - Xylene 108-38-3	BDL	10	U
O - Xylene 95-47-6	BDL	5	U
Styrene 100-42-5	BDL	5	U
Bromoform 75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane 79-34-5	BDL	5	U
1,2,3-Trichloropropane 96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene 110-57-6	BDL	5	U
1,4-Dichlorobenzene 106-46-7	BDL	5	U
1,2-Dichlorobenzene 95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane 96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS	
Dibromoflouromethane	118 Q	88 -	116
Toluene-d8	106	76 -	118
4-Bromofluorobenzene	106	77 -	117

Notes and Definitions for this Report:

DATE RUN 10/28/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29232
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-3
Test Description: APPENDIX 1 METALS
Collected: 10/13/94 12:30

Lab No: 05A
Method: VARIOUS
Test Code: A1METW

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	0.029	0.005	10/27/94	SW
Barium	by 6010	3.63	0.03	10/28/94	MM
Beryllium	by 6010	0.003	0.002	10/31/94	KS
Cadmium	by 7131	0.0018	0.0001	10/26/94	SW
Chromium	by 6010	0.119	0.005	10/26/94	SW
Cobalt	by 6010	0.150	0.01	10/31/94	KS
Copper	by 6010	0.425	0.01	10/28/94	KS
Lead	by 7421	0.043	0.003	10/27/94	SW
Nickel	by 6010	0.116	0.03	10/28/94	KS
Selenium	by 7741	0.027	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	0.004	0.002	10/26/94	SW
Vanadium	by 6010	0.537	0.03	10/31/94	KS
Zinc	by 6010	0.846	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-3
Test Description: APPENDIX 1 VOC BY 8260
Collected: 10/13/94 12:30

Lab No: 05B
Method: EPA 8260
Test Code: A1VOLW

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-3 Lab No: 05B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 12:30

Carbon disulfide	74-88-4	BDL	10	U
Dichloromethane (MeCl2)	75-15-0	BDL	5	U
Acrylonitrile	75-09-2	BDL	100	U
trans-1,2-Dichloroethene	107-13-1	BDL	5	U
1,1-Dichloroethane	156-60-5	BDL	5	U
Vinyl acetate	75-34-3	BDL	50	U
2-Butanone (MEK)	108-05-4	BDL	10	U
cis-1,2-Dichloroethene	78-93-3	BDL	5	U
Bromochloromethane	156-59-2	BDL	5	U
Chloroform	74-97-5	BDL	5	U
1,1,1-Trichloroethane	67-66-3	BDL	5	U
Carbon tetrachloride	71-55-6	BDL	5	U
Benzene	56-23-5	BDL	5	U
1,2-Dichloroethane	71-43-2	BDL	5	U
Trichloroethene	107-06-2	BDL	5	U
1,2-Dichloropropane	79-01-6	BDL	5	U
Dibromomethane	78-87-5	BDL	5	U
Bromodichloromethane	74-95-3	BDL	5	U
4-Methyl-2-Pentanone (MIBK)	75-27-4	BDL	10	U
cis-1,3-Dichloropropene	108-10-1	BDL	5	U
Toluene	10061-01-5	BDL	5	U
trans-1,3-Dichloropropene	108-88-3	BDL	5	U
1,1,2 Trichloroethane	10061-02-6	BDL	5	U
2-Hexanone	79-00-5	BDL	10	U
	591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: MW-3 Lab No: 05B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 12:30

Tetrachloroethene 127-18-4	BDL	5	U
Dibromochloromethane 124-48-1	BDL	5	U
1,2-Dibromoethane (EDB) 103-96-4	BDL	5	U
Chlorobenzene 108-90-7	BDL	5	U
Ethylbenzene 100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane 630-20-6	BDL	5	U
M & P - Xylene 108-38-3	BDL	10	U
O - Xylene 95-47-6	BDL	5	U
Styrene 100-42-5	BDL	5	U
Bromoform 75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane 79-34-5	BDL	5	U
1,2,3-Trichloropropane 96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene 110-57-6	BDL	5	U
1,4-Dichlorobenzene 106-46-7	BDL	5	U
1,2-Dichlorobenzene 95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane 96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	118 Q	88	-	116
Toluene-d8	106	76	-	118
4-Bromofluorobenzene	106	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/28/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29233
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-4 Lab No: 06A
Test Description: APPENDIX 1 METALS Method: VARIOUS Test Code: A1METW
Collected: 10/13/94 14:30

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	0.120	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	0.0002	0.0001	10/26/94	SW
Chromium	by 6010	0.007	0.005	10/26/94	SW
Cobalt	by 6010	0.044	0.01	10/31/94	KS
Copper	by 6010	0.053	0.01	10/28/94	KS
Lead	by 7421	0.008	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	0.002	0.002	10/26/94	SW
Vanadium	by 6010	0.169	0.03	10/31/94	KS
Zinc	by 6010	0.065	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-4 Lab No: 06B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 14:30

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	6.5	5	
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	9.5	5	
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-4 Lab No: 06B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 14:30

74-88-4				
Carbon disulfide	BDL	10	U	
75-15-0				
Dichloromethane (MeCl2)	24.5	5		Methylene Chloride
75-09-2				
Acrylonitrile	BDL	100	U	
107-13-1				
trans-1,2-Dichloroethene	1.1	5	J	
156-60-5				
1,1-Dichloroethane	34.8	5		
75-34-3				
Vinyl acetate	BDL	50	U	
108-05-4				
2-Butanone (MEK)	BDL	10	U	
78-93-3				
cis-1,2-Dichloroethene	218	5	O	
156-59-2				
Bromochloromethane	BDL	5	U	
74-97-5				
Chloroform	BDL	5	U	
67-66-3				
1,1,1-Trichloroethane	1.1	5	J	
71-55-6				
Carbon tetrachloride	BDL	5	U	
56-23-5				
Benzene	4.2	5	J	above 2L standard below PQL
71-43-2				
1,2-Dichloroethane	BDL	5	U	
107-06-2				
Trichloroethene	34.2	5		
79-01-6				
1,2-Dichloropropane	1.2	5	J	above 2L standard below PQL
78-87-5				
Dibromomethane	BDL	5	U	
74-95-3				
Bromodichloromethane	BDL	5	U	
75-27-4				
4-Methyl-2-Pentanone (MIBK)	BDL	10	U	
108-10-1				
cis-1,3-Dichloropropene	BDL	5	U	
10061-01-5				
Toluene	BDL	5	U	
108-88-3				
trans-1,3-Dichloropropene	BDL	5	U	
10061-02-6				
1,1,2 Trichloroethane	BDL	5	U	
79-00-5				
2-Hexanone	BDL	10	U	
591-78-6				

TEST RESULTS BY SAMPLE

Sample Description: MW-4 Lab No: 06B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 14:30

Tetrachloroethene	127-18-4	60.6	5	—
Dibromochloromethane	124-48-1	BDL	5	U
1,2-Dibromoethane (EDB)	103-96-4	BDL	5	U
Chlorobenzene	108-90-7	BDL	5	U
Ethylbenzene	100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane	630-20-6	BDL	5	U
M & P - Xylene	108-38-3	BDL	10	U
O - Xylene	95-47-6	BDL	5	U
Styrene	100-42-5	BDL	5	U
Bromoform	75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane	79-34-5	BDL	5	U
1,2,3-Trichloropropane	96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene	110-57-6	BDL	5	U
1,4-Dichlorobenzene	106-46-7	1.1	5	J
1,2-Dichlorobenzene	95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane	96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	119 Q	88	-	116
Toluene-d8	105	76	-	118
4-Bromofluorobenzene	107	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/28/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29234
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-5 Lab No: 07A
Test Description: APPENDIX 1 METALS Method: VARIOUS Test Code: A1METW
Collected: 10/14/94 15:30

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	0.166	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	0.0005	0.0001	10/26/94	SW
Chromium	by 6010	0.030	0.005	10/26/94	SW
Cobalt	by 6010	BDL	0.01	10/31/94	KS
Copper	by 6010	0.040	0.01	10/28/94	KS
Lead	by 7421	0.004	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	BDL	0.002	10/26/94	SW
Vanadium	by 6010	0.058	0.03	10/31/94	KS
Zinc	by 6010	0.065	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-5 Lab No: 07B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 15:30

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-5 Lab No: 07B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 15:30

Carbon disulfide	74-88-4	BDL	10	U
Dichloromethane (MeCl2)	75-15-0	BDL	5	U
Acrylonitrile	75-09-2	BDL	100	U
trans-1,2-Dichloroethene	107-13-1	BDL	5	U
1,1-Dichloroethane	156-60-5	BDL	5	U
Vinyl acetate	75-34-3	BDL	50	U
2-Butanone (MEK)	108-05-4	BDL	10	U
cis-1,2-Dichloroethene	78-93-3	BDL	5	U
Bromochloromethane	156-59-2	BDL	5	U
Chloroform	74-97-5	BDL	5	U
1,1,1-Trichloroethane	67-66-3	BDL	5	U
Carbon tetrachloride	71-55-6	BDL	5	U
Benzene	56-23-5	BDL	5	U
1,2-Dichloroethane	71-43-2	BDL	5	U
Trichloroethene	107-06-2	BDL	5	U
1,2-Dichloropropane	79-01-6	BDL	5	U
Dibromomethane	78-87-5	BDL	5	U
Bromodichloromethane	74-95-3	BDL	5	U
4-Methyl-2-Pentanone (MIBK)	75-27-4	BDL	10	U
cis-1,3-Dichloropropene	108-10-1	BDL	5	U
Toluene	10061-01-5	BDL	5	U
trans-1,3-Dichloropropene	108-88-3	BDL	5	U
1,1,2 Trichloroethane	10061-02-6	BDL	5	U
2-Hexanone	79-00-5	BDL	10	U
	591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: MW-5 Lab No: 07B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 15:30

Tetrachloroethene	127-18-4	BDL	5	U
Dibromochloromethane	124-48-1	BDL	5	U
1,2-Dibromoethane (EDB)	103-96-4	BDL	5	U
Chlorobenzene	108-90-7	BDL	5	U
Ethylbenzene	100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane	630-20-6	BDL	5	U
M & P - Xylene	108-38-3	BDL	10	U
O - Xylene	95-47-6	BDL	5	U
Styrene	100-42-5	BDL	5	U
Bromoform	75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane	79-34-5	BDL	5	U
1,2,3-Trichloropropane	96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene	110-57-6	BDL	5	U
1,4-Dichlorobenzene	106-46-7	BDL	5	U
1,2-Dichlorobenzene	95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane	96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	105	88	-	116
Toluene-d8	101	76	-	118
4-Bromofluorobenzene	103	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/27/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29208
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-6
Test Description: APPENDIX 1 METALS
Collected: 10/14/94 12:15

Lab No: 08A
Method: VARIOUS
Test Code: A1METW

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	0.230	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	0.0007	0.0001	10/26/94	SW
Chromium	by 6010	0.051	0.005	10/26/94	SW
Cobalt	by 6010	0.017	0.01	10/31/94	KS
Copper	by 6010	0.031	0.01	10/28/94	KS
Lead	by 7421	0.007	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	BDL	0.002	10/26/94	SW
Vanadium	by 6010	0.075	0.03	10/31/94	KS
Zinc	by 6010	0.182	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-6
Test Description: APPENDIX 1 VOC BY 8260
Collected: 10/14/94 12:15

Lab No: 08B
Method: EPA 8260
Test Code: A1VOLW

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-6 Lab No: 08B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 12:15

	74-88-4			
Carbon disulfide		BDL	10	U
	75-15-0			
Dichloromethane (MeCl2)		BDL	5	U
	75-09-2			
Acrylonitrile		BDL	100	U
	107-13-1			
trans-1,2-Dichloroethene		BDL	5	U
	156-60-5			
1,1-Dichloroethane		BDL	5	U
	75-34-3			
Vinyl acetate		BDL	50	U
	108-05-4			
2-Butanone (MEK)		BDL	10	U
	78-93-3			
cis-1,2-Dichloroethene		BDL	5	U
	156-59-2			
Bromochloromethane		BDL	5	U
	74-97-5			
Chloroform		BDL	5	U
	67-66-3			
1,1,1-Trichloroethane		BDL	5	U
	71-55-6			
Carbon tetrachloride		BDL	5	U
	56-23-5			
Benzene		BDL	5	U
	71-43-2			
1,2-Dichloroethane		BDL	5	U
	107-06-2			
Trichloroethene		BDL	5	U
	79-01-6			
1,2-Dichloropropane		BDL	5	U
	78-87-5			
Dibromomethane		BDL	5	U
	74-95-3			
Bromodichloromethane		BDL	5	U
	75-27-4			
4-Methyl-2-Pentanone (MIBK)		BDL	10	U
	108-10-1			
cis-1,3-Dichloropropene		BDL	5	U
	10061-01-5			
Toluene		BDL	5	U
	108-88-3			
trans-1,3-Dichloropropene		BDL	5	U
	10061-02-6			
1,1,2 Trichloroethane		BDL	5	U
	79-00-5			
2-Hexanone		BDL	10	U
	591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: MW-6 Lab No: 08B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 12:15

Tetrachloroethene 127-18-4	BDL	5	U
Dibromochloromethane 124-48-1	BDL	5	U
1,2-Dibromoethane (EDB) 103-96-4	BDL	5	U
Chlorobenzene 108-90-7	BDL	5	U
Ethylbenzene 100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane 630-20-6	BDL	5	U
M & P - Xylene 108-38-3	BDL	10	U
O - Xylene 95-47-6	BDL	5	U
Styrene 100-42-5	BDL	5	U
Bromoform 75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane 79-34-5	BDL	5	U
1,2,3-Trichloropropane 96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene 110-57-6	BDL	5	U
1,4-Dichlorobenzene 106-46-7	BDL	5	U
1,2-Dichlorobenzene 95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane 96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	105	88	-	116
Toluene-d8	101	76	-	118
4-Bromofluorobenzene	105	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/27/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29209
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-7A
Lab No: 09A
Test Description: APPENDIX 1 METALS
Method: VARIOUS
Test Code: A1METW
Collected: 10/13/94 16:00

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	0.111	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	BDL	0.0001	10/26/94	SW
Chromium	by 6010	BDL	0.005	10/26/94	SW
Cobalt	by 6010	BDL	0.01	10/31/94	KS
Copper	by 6010	0.020	0.01	10/28/94	KS
Lead	by 7421	BDL	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	BDL	0.002	10/26/94	SW
Vanadium	by 6010	BDL	0.03	10/31/94	KS
Zinc	by 6010	BDL	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-7A
Lab No: 09B
Test Description: APPENDIX 1 VOC BY 8260
Method: EPA 8260
Test Code: A1VOLW
Collected: 10/13/94 16:00

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-7A
Lab No: 09B
Test Description: APPENDIX 1 VOC BY 8260
Method: EPA 8260
Test Code: A1VOLW
Collected: 10/13/94 16:00

Carbon disulfide	74-88-4	BDL	10	U
Dichloromethane (MeCl2)	75-15-0	BDL	5	U
Acrylonitrile	75-09-2	BDL	100	U
trans-1,2-Dichloroethene	107-13-1	BDL	5	U
1,1-Dichloroethane	156-60-5	BDL	5	U
Vinyl acetate	75-34-3	BDL	50	U
2-Butanone (MEK)	108-05-4	BDL	10	U
cis-1,2-Dichloroethene	78-93-3	BDL	5	U
Bromochloromethane	156-59-2	BDL	5	U
Chloroform	74-97-5	BDL	5	U
1,1,1-Trichloroethane	67-66-3	BDL	5	U
Carbon tetrachloride	71-55-6	BDL	5	U
Benzene	56-23-5	BDL	5	U
1,2-Dichloroethane	71-43-2	BDL	5	U
Trichloroethene	107-06-2	BDL	5	U
1,2-Dichloropropane	79-01-6	BDL	5	U
Dibromomethane	78-87-5	BDL	5	U
Bromodichloromethane	74-95-3	BDL	5	U
4-Methyl-2-Pentanone (MIBK)	75-27-4	BDL	10	U
cis-1,3-Dichloropropene	108-10-1	BDL	5	U
Toluene	10061-01-5	BDL	5	U
trans-1,3-Dichloropropene	108-88-3	BDL	5	U
1,1,2 Trichloroethane	10061-02-6	BDL	5	U
2-Hexanone	79-00-5	BDL	10	U
	591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: MW-7A Lab No: 09B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 16:00

Tetrachloroethene 127-18-4	BDL	5	U
Dibromochloromethane 124-48-1	BDL	5	U
1,2-Dibromoethane (EDB) 103-96-4	BDL	5	U
Chlorobenzene 108-90-7	BDL	5	U
Ethylbenzene 100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane 630-20-6	BDL	5	U
M & P - Xylene 108-38-3	BDL	10	U
O - Xylene 95-47-6	BDL	5	U
Styrene 100-42-5	BDL	5	U
Bromoform 75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane 79-34-5	BDL	5	U
1,2,3-Trichloropropane 96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene 110-57-6	BDL	5	U
1,4-Dichlorobenzene 106-46-7	BDL	5	U
1,2-Dichlorobenzene 95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane 96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	117 Q	88	-	116
Toluene-d8	104	76	-	118
4-Bromofluorobenzene	106	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/28/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29235
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-8A
Lab No: 10A
Test Description: APPENDIX 1 METALS
Method: VARIOUS
Test Code: A1METW
Collected: 10/12/94 16:00

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	BDL	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	0.0003	0.0001	10/26/94	SW
Chromium	by 6010	BDL	0.005	10/26/94	SW
Cobalt	by 6010	BDL	0.01	10/31/94	KS
Copper	by 6010	BDL	0.01	10/28/94	KS
Lead	by 7421	BDL	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	BDL	0.002	10/26/94	SW
Vanadium	by 6010	BDL	0.03	10/31/94	KS
Zinc	by 6010	0.033	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-8A
Lab No: 10B
Test Description: APPENDIX 1 VOC BY 8260
Method: EPA 8260
Test Code: A1VOLW
Collected: 10/12/94 16:00

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-8A Lab No: 10B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/12/94 16:00

74-88-4 Carbon disulfide	BDL	10	U
75-15-0 Dichloromethane (MeCl2)	BDL	5	U
75-09-2 Acrylonitrile	BDL	100	U
107-13-1 trans-1,2-Dichloroethene	BDL	5	U
156-60-5 1,1-Dichloroethane	BDL	5	U
75-34-3 Vinyl acetate	BDL	50	U
108-05-4 2-Butanone (MEK)	BDL	10	U
78-93-3 cis-1,2-Dichloroethene	BDL	5	U
156-59-2 Bromochloromethane	BDL	5	U
74-97-5 Chloroform	BDL	5	U
67-66-3 1,1,1-Trichloroethane	BDL	5	U
71-55-6 Carbon tetrachloride	BDL	5	U
56-23-5 Benzene	BDL	5	U
71-43-2 1,2-Dichloroethane	BDL	5	U
107-06-2 Trichloroethene	BDL	5	U
79-01-6 1,2-Dichloropropane	BDL	5	U
78-87-5 Dibromomethane	BDL	5	U
74-95-3 Bromodichloromethane	BDL	5	U
75-27-4 4-Methyl-2-Pentanone (MIBK)	BDL	10	U
108-10-1 cis-1,3-Dichloropropene	BDL	5	U
10061-01-5 Toluene	BDL	5	U
108-88-3 trans-1,3-Dichloropropene	BDL	5	U
10061-02-6 1,1,2 Trichloroethane	BDL	5	U
79-00-5 2-Hexanone	BDL	10	U
591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: MW-8A Lab No: 10B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/12/94 16:00

Tetrachloroethene	BDL	5	U
127-18-4			
Dibromochloromethane	BDL	5	U
124-48-1			
1,2-Dibromoethane (EDB)	BDL	5	U
103-96-4			
Chlorobenzene	BDL	5	U
108-90-7			
Ethylbenzene	BDL	5	U
100-41-4			
1,1,1,2-Tetrachloroethane	BDL	5	U
630-20-6			
M & P - Xylene	BDL	10	U
108-38-3			
O - Xylene	BDL	5	U
95-47-6			
Styrene	BDL	5	U
100-42-5			
Bromoform	BDL	5	U
75-25-2			
1,1,2,2-Tetrachloroethane	BDL	5	U
79-34-5			
1,2,3-Trichloropropane	BDL	5	U
96-18-4			
trans-1,4-Dichloro-2-butene	BDL	5	U
110-57-6			
1,4-Dichlorobenzene	BDL	5	U
106-46-7			
1,2-Dichlorobenzene	BDL	5	U
95-50-1			
1,2-Dibromo-3-chloropropane	BDL	5	U
96-12-8			

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	108	88	-	116
Toluene-d8	101	76	-	118
4-Bromofluorobenzene	105	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/28/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29236
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-9
Test Description: APPENDIX 1 METALS
Collected: 10/13/94 10:30

Lab No: 11A
Method: VARIOUS
Test Code: A1METW

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	0.069	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	0.0005	0.0001	10/26/94	SW
Chromium	by 6010	BDL	0.005	10/26/94	SW
Cobalt	by 6010	0.026	0.01	10/31/94	KS
Copper	by 6010	BDL	0.01	10/28/94	KS
Lead	by 7421	BDL	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	BDL	0.002	10/26/94	SW
Vanadium	by 6010	BDL	0.03	10/31/94	KS
Zinc	by 6010	0.033	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-9
Test Description: APPENDIX 1 VOC BY 8260
Collected: 10/13/94 10:30

Lab No: 11B
Method: EPA 8260
Test Code: A1VOLW

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-9 Lab No: 11B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 10:30

74-88-4			
Carbon disulfide	BDL	10	U
75-15-0			
Dichloromethane (MeCl2)	BDL	5	U
75-09-2			
Acrylonitrile	BDL	100	U
107-13-1			
trans-1,2-Dichloroethene	BDL	5	U
156-60-5			
1,1-Dichloroethane	BDL	5	U
75-34-3			
Vinyl acetate	BDL	50	U
108-05-4			
2-Butanone (MEK)	BDL	10	U
78-93-3			
cis-1,2-Dichloroethene	BDL	5	U
156-59-2			
Bromochloromethane	BDL	5	U
74-97-5			
Chloroform	BDL	5	U
67-66-3			
1,1,1-Trichloroethane	BDL	5	U
71-55-6			
Carbon tetrachloride	BDL	5	U
56-23-5			
Benzene	BDL	5	U
71-43-2			
1,2-Dichloroethane	BDL	5	U
107-06-2			
Trichloroethene	BDL	5	U
79-01-6			
1,2-Dichloropropane	BDL	5	U
78-87-5			
Dibromomethane	BDL	5	U
74-95-3			
Bromodichloromethane	BDL	5	U
75-27-4			
4-Methyl-2-Pentanone (MIBK)	BDL	10	U
108-10-1			
cis-1,3-Dichloropropene	BDL	5	U
10061-01-5			
Toluene	BDL	5	U
108-88-3			
trans-1,3-Dichloropropene	BDL	5	U
10061-02-6			
1,1,2 Trichloroethane	BDL	5	U
79-00-5			
2-Hexanone	BDL	10	U
591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: MW-9 Lab No: 11B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 10:30

Tetrachloroethene	BDL	5	U
127-18-4			
Dibromochloromethane	BDL	5	U
124-48-1			
1,2-Dibromoethane (EDB)	BDL	5	U
103-96-4			
Chlorobenzene	BDL	5	U
108-90-7			
Ethylbenzene	BDL	5	U
100-41-4			
1,1,1,2-Tetrachloroethane	BDL	5	U
630-20-6			
M & P - Xylene	BDL	10	U
108-38-3			
O - Xylene	BDL	5	U
95-47-6			
Styrene	BDL	5	U
100-42-5			
Bromoform	BDL	5	U
75-25-2			
1,1,2,2-Tetrachloroethane	BDL	5	U
79-34-5			
1,2,3-Trichloropropane	BDL	5	U
96-18-4			
trans-1,4-Dichloro-2-butene	BDL	5	U
110-57-6			
1,4-Dichlorobenzene	BDL	5	U
106-46-7			
1,2-Dichlorobenzene	BDL	5	U
95-50-1			
1,2-Dibromo-3-chloropropane	BDL	5	U
96-12-8			

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	118 Q	88	-	116
Toluene-d8	101	76	-	118
4-Bromofluorobenzene	103	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/28/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29237
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-8B
Lab No: 12A
Test Description: APPENDIX 1 METALS
Method: VARIOUS
Test Code: A1METW
Collected: 10/12/94 15:30

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	0.297	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	0.0001	0.0001	10/26/94	SW
Chromium	by 6010	BDL	0.005	10/26/94	SW
Cobalt	by 6010	0.013	0.01	10/31/94	KS
Copper	by 6010	BDL	0.01	10/28/94	KS
Lead	by 7421	BDL	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	BDL	0.002	10/26/94	SW
Vanadium	by 6010	BDL	0.03	10/31/94	KS
Zinc	by 6010	0.087	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-8B
Lab No: 12B
Test Description: APPENDIX 1 VOC BY 8260
Method: EPA 8260
Test Code: A1VOLW
Collected: 10/12/94 15:30

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-8B Lab No: 12B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/12/94 15:30

74-88-4			
Carbon disulfide	BDL	10	U
75-15-0			
Dichloromethane (MeCl2)	BDL	5	U
75-09-2			
Acrylonitrile	BDL	100	U
107-13-1			
trans-1,2-Dichloroethene	BDL	5	U
156-60-5			
1,1-Dichloroethane	BDL	5	U
75-34-3			
Vinyl acetate	BDL	50	U
108-05-4			
2-Butanone (MEK)	BDL	10	U
78-93-3			
cis-1,2-Dichloroethene	BDL	5	U
156-59-2			
Bromochloromethane	BDL	5	U
74-97-5			
Chloroform	BDL	5	U
67-66-3			
1,1,1-Trichloroethane	BDL	5	U
71-55-6			
Carbon tetrachloride	BDL	5	U
56-23-5			
Benzene	BDL	5	U
71-43-2			
1,2-Dichloroethane	BDL	5	U
107-06-2			
Trichloroethene	BDL	5	U
79-01-6			
1,2-Dichloropropane	BDL	5	U
78-87-5			
Dibromomethane	BDL	5	U
74-95-3			
Bromodichloromethane	BDL	5	U
75-27-4			
4-Methyl-2-Pentanone (MIBK)	BDL	10	U
108-10-1			
cis-1,3-Dichloropropene	BDL	5	U
10061-01-5			
Toluene	BDL	5	U
108-88-3			
trans-1,3-Dichloropropene	BDL	5	U
10061-02-6			
1,1,2 Trichloroethane	BDL	5	U
79-00-5			
2-Hexanone	BDL	10	U
591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: MW-8B Lab No: 12B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/12/94 15:30

Tetrachloroethene	BDL	5	U
127-18-4			
Dibromochloromethane	BDL	5	U
124-48-1			
1,2-Dibromoethane (EDB)	BDL	5	U
103-96-4			
Chlorobenzene	BDL	5	U
108-90-7			
Ethylbenzene	BDL	5	U
100-41-4			
1,1,1,2-Tetrachloroethane	BDL	5	U
630-20-6			
M & P - Xylene	BDL	10	U
108-38-3			
O - Xylene	BDL	5	U
95-47-6			
Styrene	BDL	5	U
100-42-5			
Bromoform	BDL	5	U
75-25-2			
1,1,2,2-Tetrachloroethane	BDL	5	U
79-34-5			
1,2,3-Trichloropropane	BDL	5	U
96-18-4			
trans-1,4-Dichloro-2-butene	BDL	5	U
110-57-6			
1,4-Dichlorobenzene	BDL	5	U
106-46-7			
1,2-Dichlorobenzene	BDL	5	U
95-50-1			
1,2-Dibromo-3-chloropropane	BDL	5	U
96-12-8			

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	119 Q	88	-	116
Toluene-d8	102	76	-	118
4-Bromofluorobenzene	103	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/28/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29238
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: MW-7B
Lab No: 13A
Test Description: APPENDIX 1 METALS
Method: VARIOUS
Test Code: A1METW
Collected: 10/13/94 16:00

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	0.299	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	0.0004	0.0001	10/26/94	SW
Chromium	by 6010	0.020	0.005	10/26/94	SW
Cobalt	by 6010	0.023	0.01	10/31/94	KS
Copper	by 6010	0.023	0.01	10/28/94	KS
Lead	by 7421	BDL	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	0.002	0.002	10/26/94	SW
Vanadium	by 6010	0.066	0.03	10/31/94	KS
Zinc	by 6010	0.107	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: MW-7B
Lab No: 13B
Test Description: APPENDIX 1 VOC BY 8260
Method: EPA 8260
Test Code: A1VOLW
Collected: 10/13/94 16:00

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: MW-7B
Lab No: 13B
Test Description: APPENDIX 1 VOC BY 8260
Method: EPA 8260
Test Code: A1VOLW
Collected: 10/13/94 16:00

Carbon disulfide	74-88-4	BDL	10	U
Dichloromethane (MeCl2)	75-15-0	BDL	5	U
Acrylonitrile	75-09-2	BDL	100	U
trans-1,2-Dichloroethene	107-13-1	BDL	5	U
1,1-Dichloroethane	156-60-5	BDL	5	U
Vinyl acetate	75-34-3	BDL	50	U
2-Butanone (MEK)	108-05-4	BDL	10	U
cis-1,2-Dichloroethene	78-93-3	BDL	5	U
Bromochloromethane	156-59-2	BDL	5	U
Chloroform	74-97-5	BDL	5	U
1,1,1-Trichloroethane	67-66-3	BDL	5	U
Carbon tetrachloride	71-55-6	BDL	5	U
Benzene	56-23-5	BDL	5	U
1,2-Dichloroethane	71-43-2	BDL	5	U
Trichloroethene	107-06-2	BDL	5	U
1,2-Dichloropropane	79-01-6	BDL	5	U
Dibromomethane	78-87-5	BDL	5	U
Bromodichloromethane	74-95-3	BDL	5	U
4-Methyl-2-Pentanone (MIBK)	75-27-4	BDL	10	U
cis-1,3-Dichloropropene	108-10-1	BDL	5	U
Toluene	10061-01-5	BDL	5	U
trans-1,3-Dichloropropene	108-88-3	BDL	5	U
1,1,2 Trichloroethane	10061-02-6	BDL	5	U
2-Hexanone	79-00-5	BDL	10	U
	591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: MW-7B
Lab No: 13B
Test Description: APPENDIX 1 VOC BY 8260
Method: EPA 8260
Test Code: A1VOLW
Collected: 10/13/94 16:00

Tetrachloroethene	127-18-4	BDL	5	U
Dibromochloromethane	124-48-1	BDL	5	U
1,2-Dibromoethane (EDB)	103-96-4	BDL	5	U
Chlorobenzene	108-90-7	BDL	5	U
Ethylbenzene	100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane	630-20-6	BDL	5	U
M & P - Xylene	108-38-3	BDL	10	U
O - Xylene	95-47-6	BDL	5	U
Styrene	100-42-5	BDL	5	U
Bromoform	75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane	79-34-5	BDL	5	U
1,2,3-Trichloropropane	96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene	110-57-6	BDL	5	U
1,4-Dichlorobenzene	106-46-7	BDL	5	U
1,2-Dichlorobenzene	95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane	96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	112	88	-	116
Toluene-d8	102	76	-	118
4-Bromofluorobenzene	107	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/28/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29239
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: SW-1 Lab No: 14A
Test Description: APPENDIX 1 METALS Method: VARIOUS Test Code: A1METW
Collected: 10/13/94 12:15

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	0.035	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	BDL	0.0001	10/26/94	SW
Chromium	by 6010	BDL	0.005	10/26/94	SW
Cobalt	by 6010	BDL	0.01	10/31/94	KS
Copper	by 6010	BDL	0.01	10/28/94	KS
Lead	by 7421	BDL	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/27/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	0.002	0.002	10/26/94	SW
Vanadium	by 6010	BDL	0.03	10/31/94	KS
Zinc	by 6010	BDL	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: SW-1 Lab No: 14B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 12:15

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: SW-1 Lab No: 14B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 12:15

Carbon disulfide	74-88-4	BDL	10	U
Dichloromethane (MeCl2)	75-15-0	BDL	5	U
Acrylonitrile	75-09-2	BDL	100	U
trans-1,2-Dichloroethene	107-13-1	BDL	5	U
1,1-Dichloroethane	156-60-5	BDL	5	U
Vinyl acetate	75-34-3	BDL	50	U
2-Butanone (MEK)	108-05-4	BDL	10	U
cis-1,2-Dichloroethene	78-93-3	BDL	5	U
Bromochloromethane	156-59-2	BDL	5	U
Chloroform	74-97-5	BDL	5	U
1,1,1-Trichloroethane	67-66-3	BDL	5	U
Carbon tetrachloride	71-55-6	BDL	5	U
Benzene	56-23-5	BDL	5	U
1,2-Dichloroethane	71-43-2	BDL	5	U
Trichloroethene	107-06-2	BDL	5	U
1,2-Dichloropropane	79-01-6	BDL	5	U
Dibromomethane	78-87-5	BDL	5	U
Bromodichloromethane	74-95-3	BDL	5	U
4-Methyl-2-Pentanone (MIBK)	75-27-4	BDL	10	U
cis-1,3-Dichloropropene	108-10-1	BDL	5	U
Toluene	10061-01-5	BDL	5	U
trans-1,3-Dichloropropene	108-88-3	BDL	5	U
1,1,2 Trichloroethane	10061-02-6	BDL	5	U
2-Hexanone	79-00-5	BDL	10	U
	591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: SW-1 Lab No: 14B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/13/94 12:15

Tetrachloroethene 127-18-4	BDL	5	U
Dibromochloromethane 124-48-1	BDL	5	U
1,2-Dibromoethane (EDB) 103-96-4	BDL	5	U
Chlorobenzene 108-90-7	BDL	5	U
Ethylbenzene 100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane 630-20-6	BDL	5	U
M & P - Xylene 108-38-3	BDL	10	U
O - Xylene 95-47-6	BDL	5	U
Styrene 100-42-5	BDL	5	U
Bromoform 75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane 79-34-5	BDL	5	U
1,2,3-Trichloropropane 96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene 110-57-6	BDL	5	U
1,4-Dichlorobenzene 106-46-7	BDL	5	U
1,2-Dichlorobenzene 95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane 96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	113	88	-	116
Toluene-d8	101	76	-	118
4-Bromofluorobenzene	104	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/28/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29240
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

TEST RESULTS BY SAMPLE

Sample Description: SW-2 Lab No: 15A
Test Description: APPENDIX 1 METALS Method: VARIOUS Test Code: A1METW
Collected: 10/14/94 13:30

PARAMETER		RESULT	PQL	RUN ON	
Antimony	by 7041	BDL	0.005	10/26/94	SW
Arsenic	by 7061	BDL	0.005	10/27/94	SW
Barium	by 6010	0.058	0.03	10/28/94	MM
Beryllium	by 6010	BDL	0.002	10/31/94	KS
Cadmium	by 7131	BDL	0.0001	10/26/94	SW
Chromium	by 6010	BDL	0.01	10/26/94	SW
Cobalt	by 6010	BDL	0.01	10/31/94	KS
Copper	by 6010	BDL	0.01	10/28/94	KS
Lead	by 7421	BDL	0.003	10/27/94	SW
Nickel	by 6010	BDL	0.03	10/28/94	KS
Selenium	by 7741	BDL	0.005	10/28/94	SW
Silver	by 6010	BDL	0.01	10/28/94	MM
Thallium	by 7841	0.003	0.002	10/26/94	SW
Vanadium	by 6010	BDL	0.03	10/31/94	KS
Zinc	by 6010	0.063	0.03	10/28/94	KS

Notes and Definitions for this Report:

UNITS mg/L

Sample Description: SW-2 Lab No: 15B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 13:30

PARAMETER		RESULT	LIMIT	Q
Chloromethane	74-87-3	BDL	5	U
Vinyl Chloride	75-01-4	BDL	5	U
Bromomethane	74-83-9	BDL	5	U
Chloroethane	75-00-3	BDL	5	U
Trichlorofluoromethane	75-69-4	BDL	5	U
Acetone	67-64-1	BDL	10	U
1,1-Dichloroethene	75-35-4	BDL	5	U
Iodomethane		BDL	10	U

TEST RESULTS BY SAMPLE

Sample Description: SW-2 Lab No: 15B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 13:30

Carbon disulfide	74-88-4	BDL	10	U
Dichloromethane (MeCl2)	75-15-0	BDL	5	U
Acrylonitrile	75-09-2	BDL	100	U
trans-1,2-Dichloroethene	107-13-1	BDL	5	U
1,1-Dichloroethane	156-60-5	BDL	5	U
Vinyl acetate	75-34-3	BDL	50	U
2-Butanone (MEK)	108-05-4	BDL	10	U
cis-1,2-Dichloroethene	78-93-3	BDL	5	U
Bromochloromethane	156-59-2	BDL	5	U
Chloroform	74-97-5	BDL	5	U
1,1,1-Trichloroethane	67-66-3	BDL	5	U
Carbon tetrachloride	71-55-6	BDL	5	U
Benzene	56-23-5	BDL	5	U
1,2-Dichloroethane	71-43-2	BDL	5	U
Trichloroethene	107-06-2	BDL	5	U
1,2-Dichloropropane	79-01-6	BDL	5	U
Dibromomethane	78-87-5	BDL	5	U
Bromodichloromethane	74-95-3	BDL	5	U
4-Methyl-2-Pentanone (MIBK)	75-27-4	BDL	10	U
cis-1,3-Dichloropropene	108-10-1	BDL	5	U
Toluene	10061-01-5	BDL	5	U
trans-1,3-Dichloropropene	108-88-3	BDL	5	U
1,1,2 Trichloroethane	10061-02-6	BDL	5	U
2-Hexanone	79-00-5	BDL	10	U
	591-78-6			

TEST RESULTS BY SAMPLE

Sample Description: SW-2 Lab No: 15B
Test Description: APPENDIX 1 VOC BY 8260 Method: EPA 8260 Test Code: A1VOLW
Collected: 10/14/94 13:30

Tetrachloroethene	127-18-4	BDL	5	U
Dibromochloromethane	124-48-1	BDL	5	U
1,2-Dibromoethane (EDB)	103-96-4	BDL	5	U
Chlorobenzene	108-90-7	BDL	5	U
Ethylbenzene	100-41-4	BDL	5	U
1,1,1,2-Tetrachloroethane	630-20-6	BDL	5	U
M & P - Xylene	108-38-3	BDL	10	U
O - Xylene	95-47-6	BDL	5	U
Styrene	100-42-5	BDL	5	U
Bromoform	75-25-2	BDL	5	U
1,1,2,2-Tetrachloroethane	79-34-5	BDL	5	U
1,2,3-Trichloropropane	96-18-4	BDL	5	U
trans-1,4-Dichloro-2-butene	110-57-6	BDL	5	U
1,4-Dichlorobenzene	106-46-7	BDL	5	U
1,2-Dichlorobenzene	95-50-1	BDL	5	U
1,2-Dibromo-3-chloropropane	96-12-8	BDL	5	U

SURROGATE	%RECOVERY	LIMITS		
Dibromoflouromethane	109	88	-	116
Toluene-d8	101	76	-	118
4-Bromofluorobenzene	102	77	-	117

Notes and Definitions for this Report:

DATE RUN 10/28/94
ANALYST JS
INSTRUMENT 5971
FILE ID 29241
CONC FACTOR 1
UNITS µg/L
COLUMN DB-624

Environmental Technology, Inc.
3N-J South Westgate Drive
Greensboro, North Carolina 27407
PHONE: (919) 299-9998
FAX: (919) 299-0655

№ 005821

CHAIN OF CUSTODY RECORD

PROJ. NO.: 1452
PROJECT NAME: ALAMANCE COUNTY, SWEPSONVILLE LANDFILL
SAMPLERS: (Signature) Terry A. Kanoff

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Arsenic	Volatile Aromatics	Metals Hg				REMARKS
TRIP BLANK	10/14	12:00		X	TRIP BLANK	4	X	X	X				
FIELD BLANK	10/14	12:00		X	FIELD BLANK	4	X	X	X				
MW-1	10/13	10:15		X	MONITORING WELL #1		X	X	X				
MW-2	10/13	11:40		X	" #2		X	X	X				
MW-3	10/13	12:30		X	" #3		X	X	X				
MW-4	10/13	14:30		X	" #4		X	X	X				
MW-5	10/14	15:30		X	" #5		X	X	X				
MW-6	10/14	12:15		X	" #6		X	X	X				
MW-7A	10/13	16:00		X	" #7A		X	X	X				
MW-8A	10/12	16:00		X	" #8A		X	X	X				
MW-9	10/13	10:30		X	" #9		X	X	X				
MW-8B	10/12	15:30		X	" #8B		X	X	X				
MW-7B	10/13	16:00		X	" #7B		X	X	X				
SW-1	10/13	12:15		X	SURFACE WATER #1		X	X	X				
SW-2	10/14	13:30		X	" #2		X	X	X				

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Terry A. Kanoff	10/14 18:00	[illegible]			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	10/14 8:00	C. [illegible]			
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

ice in cooler Temp = 6°C
30-250 ml (1) HNO3
30 - VOA'S

P.1
NOV 04 '94 10:19AM EA SERVICES TOTAL P.15

01-01
4-15-94

BURLINGTON RESEARCH

Aquatic Bioassay Testing
Aquatic Toxicity Reduction Evaluations
Chemical Product Environmental Assessments
NPDES Testing
Reporting & Data Handling Services

Received
Solid Waste Section

May 5, 1994

Mr. Bobby Lufty
Mr. Larry Rose
North Carolina Dept. of Environment,
Health, and Natural Resources
Solid Waste Section
P.O. Box 27687
Raleigh, NC 27611

Dear Gentlemen:

Please find enclosed a report for Alamance County Landfill. Burlington Research, Inc. performed the collection and analysis for the landfill according to EPA procedures. We were instructed to forward a copy of the results to the State.

Sincerely,

BURLINGTON RESEARCH, INC.

Lora F. Blanchard

Lora F. Blanchard
Customer Service Representative

Enclosure

615 Huffman Mill Road • Burlington, NC 27215 • Tel. (910) 584-5564 • Fax (910) 584-5564 Ext. 202

BURLINGTON RESEARCH

Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
Chemical Product Environmental Assessments • NPDES Testing
Reporting & Data Handling Services

615 Huffman Mill Road • Burlington, NC 27215-5122 • (910) 584-5564 • Fax (910) 584-5564 Ext. 202

May 05, 1994

Alamance County Landfill
124 West Elm Street
Graham, NC 27253

Attention: Mr. Alvin Cagle

Enclosed find report(s) for your sample(s) received **04/15/94**, BRI Work Order # **94-04-316**. Please call if you have any questions.

Thank you.

Sincerely,

BURLINGTON RESEARCH, INC.

Lora F. Blanchard

Lora F. Blanchard - Ext. 352
Customer Service Representative

BURLINGTON RESEARCH

Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
Chemical Product Environmental Assessments • NPDES Testing
Reporting & Data Handling Services

615 Huffman Mill Road • Burlington, NC 27215-5122 • (910) 584-5564 • Fax (910) 584-5564 Ext. 202

ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 1 Grab 4/15/94

WORK ORDER #: 94-04-316-01

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/18/94	04/18/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	5.50	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	111	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	14	degrees C
Antimony, Total	EPA 204.1	04/25/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/21/94	04/23/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.459	mg/L
Beryllium, Total	EPA 210.1	04/21/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.01	mg/L
Chromium, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/21/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/21/94	04/27/94	0.02	mg/L
Lead, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/21/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/21/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/21/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/21/94	04/28/94	<0.1	mg/L
Zinc, Total	EPA 289.1	04/21/94	04/22/94	0.145	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-01**

PREPARED: 04/18/94 BY: DYC
ANALYZED: 04/18/94 BY: DYC

SAMPLE: Monitoring Wells
MW# 1 Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

	ANALYTE	CONCENTRATION (ug/L)
54	TETRACHLOROETHENE	4.4

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	102
1,2-DICHLOROBENZENE-d4	103
TOLUENE-d8	109

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 2 Grab 4/15/94

WORK ORDER #: 94-04-316-02

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/18/94	04/18/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	6.05	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	121	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	17	degrees C
Antimony, Total	EPA 204.1	04/25/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/21/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.790	mg/L
Beryllium, Total	EPA 210.1	04/21/94	04/26/94	<0.005	mg/L
* Cadmium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.03	mg/L
* Chromium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.08	mg/L
Cobalt, Total	EPA 219.1	04/21/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/21/94	04/27/94	0.07	mg/L
* Lead, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/21/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/21/94	04/29/94	<0.005	mg/L
* Silver, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
* Thallium, Total-ICP	EPA 200.7	04/21/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/21/94	04/28/94	0.24	mg/L
Zinc, Total	EPA 289.1	04/21/94	04/22/94	0.203	mg/L

*- Incorrect Methodology after 6/24/94 Memo

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-02**

PREPARED: 04/18/94 BY: ILL
ANALYZED: 04/18/94 BY: ILL

SAMPLE: Monitoring Wells
MW# 2 Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

	ANALYTE	CONCENTRATION (ug/L)
29	1,1-DICHLOROETHANE	4.8

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	116
1,2-DICHLOROBENZENE-d4	112
TOLUENE-d8	108

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

BURLINGTON RESEARCH

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 3 Grab 4/15/94

WORK ORDER #: 94-04-316-03

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/18/94	04/18/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	5.86	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	84	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	15	degrees C
Antimony, Total	EPA 204.1	04/25/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/21/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/21/94	04/28/94	1.26	mg/L
Beryllium, Total	EPA 210.1	04/21/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.07	mg/L
Chromium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.16	mg/L
Cobalt, Total	EPA 219.1	04/21/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/21/94	04/27/94	0.29	mg/L
Lead, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.05	mg/L
Nickel, Total	EPA 249.1	04/21/94	04/28/94	0.05	mg/L
Selenium, Total-GF	EPA 270.2	04/21/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/21/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/21/94	04/28/94	0.42	mg/L
Zinc, Total	EPA 289.1	04/21/94	04/22/94	0.374	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-03**

PREPARED: 04/18/94 BY: ILL
ANALYZED: 04/18/94 BY: ILL

SAMPLE: Monitoring Wells
MW# 3 Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

ANALYTE	CONCENTRATION (ug/L)
NONE TO REPORT	

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	106
1,2-DICHLOROBENZENE-d4	119
TOLUENE-d8	103

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 4 Grab 4/15/94

WORK ORDER #: 94-04-316-04A

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/18/94	04/19/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	6.00	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	530	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	19	degrees C
Antimony, Total	EPA 204.1	04/25/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/21/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.070	mg/L
Beryllium, Total	EPA 210.1	04/21/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Chromium, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/21/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/21/94	04/27/94	0.01	mg/L
Lead, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/21/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/21/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/21/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/21/94	04/28/94	<0.1	mg/L
Zinc, Total	EPA 289.1	04/21/94	04/22/94	0.008	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-04A**

PREPARED: 04/18/94 BY: DYC
ANALYZED: 04/19/94 BY: DYC

SAMPLE: Monitoring Wells
MW# 4 Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

	ANALYTE	CONCENTRATION (ug/L)
4	BENZENE	7.0
17	CHLOROETHANE	14.5
28	DICHLORODIFLUOROMETHANE	21.7
29	1,1-DICHLOROETHANE	38.2
32	cis-1,2-DICHLOROETHENE	182
33	trans-1,2-DICHLOROETHENE	2.2
34	DICHLOROMETHANE	12.5
54	TETRACHLOROETHENE	125
61	TRICHLOROETHENE	50.7
68	VINYL CHLORIDE	14.1

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 4 Grab 4/15/94

WORK ORDER #: 94-04-316-04B

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
EPA 8240,Liquid,Duplicate	EPA8240/8260	04/28/94	04/28/94	Attached

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 94-04-316-04B
METHOD QUANTITATION LIMIT (MQL): See below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	10.0	*	1
2	ACROLEIN	5.0	*	2
3	ACRYLONITRILE	5.0	*	3
4	BENZENE	2.0	7.4	4
5	BROMOBENZENE	2.0	*	5
6	BROMOCHLOROMETHANE	2.0	*	6
7	BROMODICHLOROMETHANE	2.0	*	7
8	BROMOMETHANE	2.0	*	8
9	BUTANONE, 2- (MEK)	10.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	10.0	*	10
11	BUTYLBENZENE, n-	2.0	*	11
12	BUTYLBENZENE, sec-	2.0	*	12
13	BUTYLBENZENE, tert-	2.0	*	13
14	CARBON DISULFIDE	5.0	*	14
15	CARBON TETRACHLORIDE	2.0	*	15
16	CHLOROBENZENE	2.0	*	16
17	CHLOROETHANE	2.0	18.1	17
18	CHLOROETHYLVINYL ETHER, 2-	2.0	*	18
19	CHLOROMETHANE	2.0	*	19
20	CHLOROTOLUENE, 2-	2.0	*	20
21	CHLOROTOLUENE, 4-	2.0	*	21
22	DIBROMOCHLOROMETHANE	2.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	2.0	*	23
24	DIBROMOMETHANE	2.0	*	24
25	DICHLOROBENZENE, 1,2-	2.0	*	25
26	DICHLOROBENZENE, 1,3-	2.0	*	26
27	DICHLOROBENZENE, 1,4-	2.0	*	27
28	DICHLORODIFLUOROMETHANE	5.0	27.0	28
29	DICHLOROETHANE, 1,1-	2.0	41.7	29
30	DICHLOROETHANE, 1,2-	2.0	*	30
31	DICHLOROETHENE, 1,1-	2.0	*	31
32	DICHLOROETHENE, cis-1,2-	2.0	192	32
33	DICHLOROETHENE, trans-1,2-	2.0	2.3	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	2.0	20.0	34
35	DICHLOROPROPANE, 1,2-	2.0	*	35
36	DICHLOROPROPANE, 1,3-	2.0	*	36
37	DICHLOROPROPANE, 2,2-	2.0	*	37
38	DICHLOROPROPENE, 1,1-	2.0	*	38
39	DICHLOROPROPENE, cis-1,3-	2.0	*	39
40	DICHLOROPROPENE, trans-1,3-	2.0	*	40
41	ETHYLBENZENE	2.0	*	41
42	HEXACHLOROBUTADIENE	2.0	*	42

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WORK ORDER NUMBER(S): 94-04-316-04B

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	5.0	*	43
44	IODOMETHANE	2.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	2.0	*	45
46	ISOPROPYLTOLUENE, para-	2.0	*	46
47	NAPHTHALENE	2.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	5.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	2.0	*	49
50	PROPYLBENZENE, n-	2.0	*	50
51	STYRENE	5.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	2.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	2.0	*	53
54	TETRACHLOROETHENE	2.0	123	54
55	TOLUENE	2.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	2.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	2.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	2.0	*	58
59	TRICHLOROETHANE, 1,1,1-	2.0	*	59
60	TRICHLOROETHANE, 1,1,2-	2.0	*	60
61	TRICHLOROETHENE	2.0	53.1	61
62	TRICHLOROFLUOROMETHANE	2.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	2.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	2.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	2.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	2.0	*	66
67	VINYL ACETATE	5.0	*	67
68	VINYL CHLORIDE	2.0	16.2	68
69	XYLENES (TOTAL)	2.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 5 Grab 4/15/94

WORK ORDER #: 94-04-316-05

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/18/94	04/19/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	6.80	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	200	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	18	degrees C
Antimony, Total	EPA 204.1	04/25/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/21/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.253	mg/L
Beryllium, Total	EPA 210.1	04/21/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.02	mg/L
Chromium, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/21/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/21/94	04/27/94	0.06	mg/L
Lead, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/21/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/21/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/21/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/21/94	04/28/94	0.1	mg/L
Zinc, Total	EPA 289.1	04/21/94	04/22/94	0.071	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-05**

PREPARED: 04/18/94 BY: DYC
ANALYZED: 04/19/94 BY: DYC

SAMPLE: Monitoring Wells
MW# 5 Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

ANALYTE	CONCENTRATION (ug/L)
NONE TO REPORT	

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	104
1,2-DICHLOROBENZENE-d4	110
TOLUENE-d8	107

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 6 Grab 4/15/94

WORK ORDER #: 94-04-316-06

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 05/02/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/18/94	04/19/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	6.22	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	169	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	18	degrees C
Antimony, Total	EPA 204.1	04/25/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/21/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.093	mg/L
Beryllium, Total	EPA 210.1	04/21/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Chromium, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/21/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/21/94	04/27/94	<0.01	mg/L
Lead, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/21/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/21/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/21/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/21/94	04/28/94	<0.1	mg/L
Zinc, Total	EPA 289.1	04/21/94	04/22/94	0.021	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-06**

PREPARED: 04/18/94 BY: DYC
ANALYZED: 04/18/94 BY: DYC

SAMPLE: Monitoring Wells
MW# 6 Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

ANALYTE	CONCENTRATION (ug/L)
NONE TO REPORT	

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	100
1,2-DICHLOROBENZENE-d4	111
TOLUENE-d8	109

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 7A Grab 4/15/94

WORK ORDER #: 94-04-316-07

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 05/05/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/18/94	04/19/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	6.45	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	124	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	18	degrees C
Antimony, Total	EPA 204.1	04/25/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/21/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.074	mg/L
Beryllium, Total	EPA 210.1	04/21/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Chromium, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/21/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/21/94	04/27/94	0.01	mg/L
Lead, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/21/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/21/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/21/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/21/94	04/28/94	<0.1	mg/L
Zinc, Total	EPA 289.1	04/21/94	04/22/94	0.009	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-07**

PREPARED: 04/18/94 BY: DYC
ANALYZED: 04/19/94 BY: DYC

SAMPLE: Monitoring Wells
MW# 7A Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

ANALYTE	CONCENTRATION (ug/L)
NONE TO REPORT	

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	100
1,2-DICHLOROBENZENE-d4	107
TOLUENE-d8	109

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 7B Grab 4/15/94

WORK ORDER #: 94-04-316-08

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 05/02/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/20/94	04/20/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	5.85	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	78	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	17	degrees C
Antimony, Total	EPA 204.1	04/25/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/21/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/21/94	04/28/94	0.081	mg/L
Beryllium, Total	EPA 210.1	04/21/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Chromium, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/21/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/21/94	04/27/94	<0.01	mg/L
Lead, Total-ICP	EPA 200.7	04/21/94	04/28/95	<0.05	mg/L
Nickel, Total	EPA 249.1	04/21/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/21/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/21/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/21/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/21/94	04/28/94	<0.1	mg/L
Zinc, Total	EPA 289.1	04/21/94	04/25/94	0.022	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-08**

PREPARED: 04/20/94 BY: DYC
ANALYZED: 04/20/94 BY: DYC

SAMPLE: Monitoring Wells
MW# 7B Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

ANALYTE	CONCENTRATION (ug/L)
NONE TO REPORT	

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	104
1,2-DICHLOROBENZENE-d4	104
TOLUENE-d8	112

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 8A Grab 4/15/94

WORK ORDER #: 94-04-316-09

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/20/94	04/20/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	5.90	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	52	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	18	degrees C
Antimony, Total	EPA 204.1	04/28/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/25/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/25/94	04/28/94	0.071	mg/L
Beryllium, Total	EPA 210.1	04/25/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.01	mg/L
Chromium, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/25/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/25/94	04/27/94	<0.01	mg/L
Lead, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/25/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/25/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/25/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/25/94	04/28/94	<0.1	mg/L
Zinc, Total	EPA 289.1	04/25/94	04/25/94	0.029	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-09**

PREPARED: 04/20/94 BY: DYC
ANALYZED: 04/20/94 BY: DYC

SAMPLE: Monitoring Wells
MW# 8A Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

ANALYTE	CONCENTRATION (ug/L)
NONE TO REPORT	

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	106
1,2-DICHLOROBENZENE-d4	105
TOLUENE-d8	111

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 8B Grab 4/15/94

WORK ORDER #: 94-04-316-10A

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/20/94	04/20/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	5.81	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	47	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	17	degrees C
Antimony, Total	EPA 204.1	04/28/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/25/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/25/94	04/28/94	0.049	mg/L
Beryllium, Total	EPA 210.1	04/25/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.01	mg/L
Chromium, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/25/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/25/94	04/27/94	<0.01	mg/L
Lead, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/25/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/25/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/25/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/25/94	04/28/94	<0.1	mg/L
Zinc, Total	EPA 289.1	04/25/94	04/25/94	0.012	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-10A**

PREPARED: 04/20/94 BY: DYC
ANALYZED: 04/20/94 BY: DYC

SAMPLE: Monitoring Wells
MW# 8B Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

ANALYTE	CONCENTRATION (ug/L)
NONE TO REPORT	

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	113
1,2-DICHLOROBENZENE-d4	104
TOLUENE-d8	114

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

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VOLATILE ORGANICS
EPA METHOD 8240 - LIQUID

QUALITY ASSURANCE MATRIX SPIKE

WORK ORDER #: **94-04-316-10B**

EXTRACTED: 04/20/94 BY: DYC
ANALYZED: 04/21/94 BY: DYC

SAMPLE: Monitoring Wells
MW# 8B Grab 4/15/94

ANALYTE	EXISTING (ug/L)	SPIKED (ug/L)	FOUND (ug/L)	RECOVERY (%)
Benzene	ND	50	58.5	117.0
Chlorobenzene	ND	50	48.9	97.8
1,1-Dichlorethene	ND	50	53.4	106.8
Toluene	ND	50	51.7	103.4
Trichloroethene	ND	50	51.8	103.6

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 8B Grab 4/15/94

WORK ORDER #: 94-04-316-10B

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
EPA8240,Liq'd,Matrix Spike	EPA8240/8260	04/20/94	04/21/94	Attached

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
MW# 9 Grab 4/15/94

WORK ORDER #: 94-04-316-11

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/20/94	04/20/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	6.03	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	58	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	15	degrees C
Antimony, Total	EPA 204.1	04/28/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/25/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/25/94	04/28/94	0.053	mg/L
Beryllium, Total	EPA 210.1	04/25/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.01	mg/L
Chromium, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/25/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/25/94	04/27/94	<0.01	mg/L
Lead, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/25/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/25/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/25/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/25/94	04/28/94	<0.1	mg/L
Zinc, Total	EPA 289.1	04/25/94	04/25/94	0.021	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-11**

PREPARED: 04/20/94 BY: DYC
ANALYZED: 04/20/94 BY: DYC

SAMPLE: Monitoring Wells
MW# 9 Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

ANALYTE	CONCENTRATION (ug/L)
NONE TO REPORT	

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	109
1,2-DICHLOROBENZENE-d4	103
TOLUENE-d8	105

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
Upstream Grab 4/15/94

WORK ORDER #: 94-04-316-12

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/20/94	04/20/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	7.25	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	92	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	19	degrees C
Antimony, Total	EPA 204.1	04/28/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/25/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/25/94	04/28/94	0.027	mg/L
Beryllium, Total	EPA 210.1	04/25/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.01	mg/L
Chromium, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/25/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/25/94	04/27/94	<0.01	mg/L
Lead, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/25/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/25/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/25/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/25/94	04/28/94	<0.1	mg/L
Zinc, Total	EPA 289.1	04/25/94	04/25/94	<0.005	mg/L

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EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-12**

PREPARED: 04/20/94 BY: DYC
ANALYZED: 04/20/94 BY: DYC

SAMPLE: Monitoring Wells
Upstream Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

ANALYTE	CONCENTRATION (ug/L)
NONE TO REPORT	

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	110
1,2-DICHLOROBENZENE-d4	99.3
TOLUENE-d8	102

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

BURLINGTON RESEARCH

Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
Chemical Product Environmental Assessments • NPDES Testing
Reporting & Data Handling Services

615 Huffman Mill Road • Burlington, NC 27215-5122 • (910) 584-5564 • Fax (910) 584-5564 Ext. 202

ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: Monitoring Wells
Downstream Grab 4/15/94

WORK ORDER #: 94-04-316-13

COLLECTED: 04/15/94
RECEIVED: 04/15/94
REPORTED: 04/29/94

PARAMETER	METHOD	STARTED	ANALYZED	RESULT	
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/20/94	04/21/94	Attached	
pH (Field Determination)	SM 16 423	04/15/94	04/15/94	7.34	SU
Specific Conductance	EPA 120.1	04/15/94	04/15/94	90	umhos/cm @ 25C
Temperature	SM 16 212	04/15/94	04/15/94	19	degrees C
Antimony, Total	EPA 204.1	04/28/94	04/29/94	<0.1	mg/L
Arsenic, Total-GF	EPA 206.2	04/25/94	04/28/94	<0.005	mg/L
Barium, Total-ICP	EPA 200.7	04/25/94	04/28/94	0.027	mg/L
Beryllium, Total	EPA 210.1	04/25/94	04/26/94	<0.005	mg/L
Cadmium, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.01	mg/L
Chromium, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.05	mg/L
Cobalt, Total	EPA 219.1	04/25/94	04/28/94	<0.1	mg/L
Copper, Total	EPA 220.1	04/25/94	04/27/94	<0.01	mg/L
Lead, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.05	mg/L
Nickel, Total	EPA 249.1	04/25/94	04/28/94	<0.04	mg/L
Selenium, Total-GF	EPA 270.2	04/25/94	04/29/94	<0.005	mg/L
Silver, Total-ICP	EPA 200.7	04/25/94	04/28/94	<0.01	mg/L
Thallium, Total-ICP	EPA 200.7	04/25/94	04/29/94	<0.5	mg/L
Vanadium, Total	EPA 286.1	04/25/94	04/28/94	<0.1	mg/L
Zinc, Total	EPA 289.1	04/25/94	04/25/94	0.007	mg/L

BURLINGTON RESEARCH

Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
Chemical Product Environmental Assessments • NPDES Testing
Reporting & Data Handling Services

615 Huffman Mill Road • Burlington, NC 27215-5122 • (910) 584-5564 • Fax (910) 584-5564 Ext. 202

EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

WORK ORDER #: **94-04-316-13**

PREPARED: 04/20/94 BY: DYC
ANALYZED: 04/21/94 BY: DYC

SAMPLE: Monitoring Wells
Downstream Grab 4/15/94

QUANTITATION LIMIT MULTIPLIER: 1

ONLY ANALYTES THAT WERE DETECTED ARE REPORTED BELOW.

ANALYTE	CONCENTRATION (ug/L)
NONE TO REPORT	

SURROGATES	% RECOVERY
BROMOFLUOROBENZENE	99.7
1,2-DICHLOROBENZENE-d4	101
TOLUENE-d8	101

A COMPLETE LIST OF TARGET ANALYTES AND THEIR QUANTITATION LIMITS ARE ATTACHED AT THE END OF THIS REPORT.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-01

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 1

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 33 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 1

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 10 feet 6 inches

Actual Water Volume in Well: 1.7 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 5.1 Gallons

Time Purge Began: 0910 (Military Clock) Time Purge Completed: 0920 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 0824 Date: 04/15/94

Time Sampling Ended: 0825 Date: 04/15/94

Total Time Between Purge and Sampling: 23 hrs. 5 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	14	N/A
pH (SU)	5.50	7.00/4.00
Specific Cond. (umhos)	111	141

Well ID #: 1

Sample Appearance: X Clear _____ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	40 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 05/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-02

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

____ Clear X Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 2

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 30 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 2

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 6 feet 9 inches

Actual Water Volume in Well: 1.1 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 3.3 Gallons

Time Purge Began: 1015 (Military Clock) Time Purge Completed: 1020 (Military Clock)

Did the well go dry?: X Yes _____ No

6. Well Sampling Data:

Time Sampling Began: 0910 Date: 04/15/94

Time Sampling Ended: 0915 Date: 04/15/94

Total Time Between Purge and Sampling: 22 hrs. 55 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	17	N/A
pH (SU)	6.05	7.00/4.00
Specific Cond. (umhos)	121	141

Well ID #: 2

Sample Appearance: _____ Clear _____ Sediment X Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	400 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 05/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-03

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

____ Clear X Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 3

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 24 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 3

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 14 feet 10 inches

Actual Water Volume in Well: 2.4 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 7.3 Gallons

Time Purge Began: 1100 (Military Clock) Time Purge Completed: 1120 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 0920 Date: 04/15/94

Time Sampling Ended: 0925 Date: 04/15/94

Total Time Between Purge and Sampling: 21 hrs. 55 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	15	N/A
pH (SU)	5.86	7.00/4.00
Specific Cond. (umhos)	84	141

Well ID #: 3

Sample Appearance: _____ Clear X Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	40 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 05/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-04

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

____ Clear X Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 4

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 50 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 4

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 16 feet 5 inches

Actual Water Volume in Well: 2.7 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 8 Gallons

Time Purge Began: 0945 (Military Clock) Time Purge Completed: 1000 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 1208 Date: 04/15/94

Time Sampling Ended: 1210 Date: 04/15/94

Total Time Between Purge and Sampling: 2 hrs. 10 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	19	N/A
pH (SU)	6.00	7.00/4.00
Specific Cond. (umhos)	530	141

Well ID #: 4

Sample Appearance: _____ Clear _____ Sediment X Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	40 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature Jeff Davis Date 05/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-05

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 5

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 19 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 5

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 4 feet 7 inches

Actual Water Volume in Well: 0.7 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 2.2 Gallons

Time Purge Began: 1015 (Military Clock) Time Purge Completed: 1020 (Military Clock)

Did the well go dry?: X Yes _____ No

6. Well Sampling Data:

Time Sampling Began: 1208 Date: 04/15/94

Time Sampling Ended: 1210 Date: 04/15/94

Total Time Between Purge and Sampling: 25 hrs. 50 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	18	N/A
pH (SU)	6.80	7.00/4.00
Specific Cond. (umhos)	200	141

Well ID #: 5

Sample Appearance: _____ Clear _____ Sediment X Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	40 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 05/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-06

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

___ Clear X Cloudy ___ Calm X Windy ___ Rain

___ Sleet ___ Snow

3. Field Observations:

Well ID #: 6

Was the well locked upon arrival? X Yes ___ No

Any unusual conditions in the area? ___ Yes X No

If "Yes" explain: _____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 53 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 6

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 32 feet 6 inches

Actual Water Volume in Well: 5.3 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 16 Gallons

Time Purge Began: 1200 (Military Clock) Time Purge Completed: 1225 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 1110 Date: 04/15/94

Time Sampling Ended: 1115 Date: 04/15/94

Total Time Between Purge and Sampling: 22 hrs. 50 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	18	N/A
pH (SU)	6.22	7.00/4.00
Specific Cond. (umhos)	169	141

Well ID #: 6

Sample Appearance: X Clear _____ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	40 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature Jeff Davis Date 05/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-07A

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 7A

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 65 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 7A

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 41 feet 9 inches

Actual Water Volume in Well: 6.8 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 20 Gallons

Time Purge Began: 1350 (Military Clock) Time Purge Completed: 1420 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 1125 Date: 04/15/94

Time Sampling Ended: 1130 Date: 04/15/94

Total Time Between Purge and Sampling: 21 hrs. 10 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	18	N/A
pH (SU)	6.45	7.00/4.00
Specific Cond. (umhos)	124	141

Well ID #: 7A

Sample Appearance: X Clear _____ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	40 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 05/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-08A

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

____ Clear X Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 7B

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 31 feet 6 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 7B

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 10 feet 0 inches

Actual Water Volume in Well: 1.6 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 5 Gallons

Time Purge Began: 1425 (Military Clock) Time Purge Completed: 1430 (Military Clock)

Did the well go dry?: X Yes _____ No

6. Well Sampling Data:

Time Sampling Began: 1132 Date: 04/15/94

Time Sampling Ended: 1137 Date: 04/15/94

Total Time Between Purge and Sampling: 21 hrs. 7 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	17	N/A
pH (SU)	5.85	7.00/4.00
Specific Cond. (umhos)	78	141

Well ID #: 7B

Sample Appearance: X Clear _____ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	40 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain Hinge on lid rusted through. (Lid needs to be relaced.)

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 05/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-09A

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

____ Clear X Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 8A

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 65 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 8A

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 45 feet 0 inches

Actual Water Volume in Well: 7.3 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 22 Gallons

Time Purge Began: 1535 (Military Clock) Time Purge Completed: 1620 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 1150 Date: 04/15/94

Time Sampling Ended: 1155 Date: 04/15/94

Total Time Between Purge and Sampling: 19 hrs. 35 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	18	N/A
pH (SU)	5.90	7.00/4.00
Specific Cond. (umhos)	52	141

Well ID #: 8A

Sample Appearance: X Clear _____ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	40 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 05/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-10A

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 8B

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 26 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 8B

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 6 feet 9 inches

Actual Water Volume in Well: 1.1 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 3.3 Gallons

Time Purge Began: 1525 (Military Clock) Time Purge Completed: 1530 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 1157 Date: 04/15/94

Time Sampling Ended: 1202 Date: 04/15/94

Total Time Between Purge and Sampling: 21 hrs. 32 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	17	N/A
pH (SU)	5.81	7.00/4.00
Specific Cond. (umhos)	47	141

Well ID #: 8B

Sample Appearance: _____ Clear _____ Sediment X Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	40 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 5/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 94-04-316-11A

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 01-01

2. Weather Conditions:

Ambient Temperature: 13 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 9

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 27 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: 17 feet to 27 feet Gravel Interval: 15 feet to 27 feet

Calculated Water Volume in Well: - Gallons

Well ID #: 9

Surveyed Well Elevation (MSL): - feet

Static Well Elevation (MSL): - feet

5. Measured Well Data:

Measured Water Level: 13 feet 8 inches

Actual Water Volume in Well: 2 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 6 Gallons

Time Purge Began: 0930 (Military Clock) Time Purge Completed: 0950 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 0845 Date: 04/15/94

Time Sampling Ended: 0850 Date: 04/15/94

Total Time Between Purge and Sampling: 23 hrs.

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	15	N/A
pH (SU)	6.03	7.00/4.00
Specific Cond. (umhos)	58	141

Well ID #: 9

Sample Appearance: X Clear _____ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
8240/8260	VOA	40 mL	None	3
Metals	Plastic	1000 mL	HNO3	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 05/04/94

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

BURLINGTON RESEARCH

Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
Chemical Product Environmental Assessments • NPDES Testing
Reporting & Data Handling Services

615 Huffman Mill Road • Burlington, NC 27215-5122 • (910) 584-5564 • Fax (910) 584-5564 Ext. 202

EPA 8240/8260 VOLATILE ORGANICS - LIQUIDS

TARGET ANALYTES

MULTIPLY THE QUANTITATION LIMITS BELOW BY THE MUTIPLIER GIVEN ON THE REPORT TO DERIVE THE ACTUAL LIMITS FOR EACH SAMPLE.

	ANALYTE	QUANTITATION LIMIT (ug/L)
1	ACETONE	10.0
2	ACROLEIN	5.0
3	ACRYLONITRILE	5.0
4	BENZENE	2.0
5	BROMOBENZENE	2.0
6	BROMOCHLOROMETHANE	2.0
7	BROMODICHLOROMETHANE	2.0
8	BROMOMETHANE	2.0
9	2-BUTANONE (MEK)	10.0
10	1,4-DICHLORO-2-BUTENE	10.0
11	n-BUTYLBENZENE	2.0
12	sec-BUTYLBENZENE	2.0
13	tert-BUTYLBENZENE	2.0
14	CARBON DISULFIDE	5.0
15	CARBON TETRACHLORIDE	2.0
16	CHLOROBENZENE	2.0
17	CHLOROETHANE	2.0
18	2-CHLOROETHYLVINYL ETHER	2.0
19	CHLOROMETHANE	2.0
20	2-CHLOROTOLUENE	2.0
21	4-CHLOROTOLUENE	2.0
22	DIBROMOCHLOROMETHANE	2.0
23	1,2-DIBROMOMETHANE	2.0
24	DIBROMOMETHANE	2.0
25	1,2-DICHLOROBENZENE	2.0
26	1,3-DICHLOROBENZENE	2.0
27	1,4-DICHLOROBENZENE	2.0
28	DICHLORODIFLUOROMETHANE	5.0
29	1,1-DICHLOROETHANE	2.0
30	1,2-DICHLOROETHANE	2.0
31	1,1-DICHLOROETHENE	2.0
32	cis-1,2-DICHLOROETHENE	2.0
33	trans-1,2-DICHLOROETHENE	2.0
34	DICHLOROMETHANE	2.0
35	1,2-DICHLOROPROPANE	2.0

BURLINGTON RESEARCH

Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
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EPA METHOD 8240/8260 TARGET ANALYTES (continued)

	ANALYTE	QUANTITATION LIMIT (ug/L)
36	1,3-DICHLOROPROPANE	2.0
37	2,2-DICHLOROPROPANE	2.0
38	1,1-DICHLOROPROPENE	2.0
39	cis-1,3-DICHLOROPROPENE	2.0
40	trans-1,3-DICHLOROPROPENE	2.0
41	ETHYLBENZENE	2.0
42	HEXACHLOROBUTADIENE	2.0
43	2-HEXANONE	5.0
44	IODOMETHANE	2.0
45	ISOPROPYLBENZENE (CUMENE)	2.0
46	para-ISOPROPYLTOLUENE	2.0
47	NAPHTHALENE	2.0
48	4-METHYL-2-PENTANONE	5.0
49	1,2-DIBROMO-3-CHLOROPROPANE	2.0
50	n-PROPYLBENZENE	2.0
51	STYRENE	5.0
52	1,1,1,2-TETRACHLOROETHANE	2.0
53	1,1,2,2-TETRACHLOROETHANE	2.0
54	TETRACHLOROETHENE	2.0
55	TOLUENE	2.0
56	TRIBROMOMETHANE (BROMOFORM)	2.0
57	1,2,3-TRICHLOROBENZENE	2.0
58	1,2,4-TRICHLOROBENZENE	2.0
59	1,1,1-TRICHLOROETHANE	2.0
60	1,1,2-TRICHLOROETHANE	2.0
61	TRICHLOROETHENE	2.0
62	TRICHLOROFLUOROMETHANE	2.0
63	TRICHLOROMETHANE (CHLOROFORM)	2.0
64	1,2,3-TRICHLOROPROPANE	2.0
65	1,2,4-TRIMETHYLBENZENE	2.0
66	1,3,5-TRIMETHYLBENZENE	2.0
67	VINYL ACETATE	5.0
68	VINYL CHLORIDE	2.0
69	XYLENES (TOTAL)	2.0

BURLINGTON RESEARCH

Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
Chemical Product Environmental Assessments • NPDES Testing
Reporting & Data Handling Services

615 Huffman Mill Road • Burlington, NC 27215-5122 • (910) 584-5564 • Fax (910) 584-5564 Ext. 202

INVOICE

Alamance Co. Purchasing Dept.
124 West Elm Street
Graham, NC 27253

RECEIVED: 04/15/94
REPORTED: 04/29/94
INVOICED: 04/29/94

ATTN: Mr. Wayne Church

INVOICE #: 22474

REMIT TO:
Burlington Research, Inc.
615 Huffman Mill Road
Burlington, NC 27215-5122
ATTN: Accounts Receivable

WORK ORDER #: 94-04-316

SAMPLE: Monitoring Wells

PO #: Verbal/ Mr. Cagle

FOR PROFESSIONAL SERVICES RENDERED AS FOLLOWS:

QUANT	DESCRIPTION	DEPT	UNIT PRICE	AMOUNT	REMARK
11	Bailer	FO	30.00	330.00	
1	EPA 8240,Liquid,Duplicate	GC	0.00	0.00	
13	EPA 8240,Volatiles,Liquid	GC	200.00	2600.00	
1	EPA8240,Liq'd,Matrix Spike	GC	0.00	0.00	
44	Mileage	FO	0.65	28.60	
8	Sample Collection	FO	50.00	400.00	
13	Specific Conductance	FO	10.00	130.00	
13	Temperature	FO	5.00	65.00	
13	pH (Field Determination)	FO	6.00	78.00	
13	Antimony, Total	AS	16.00	208.00	
13	Arsenic, Total-GF	AS	25.00	325.00	
13	Barium, Total-ICP	AS	16.00	208.00	
13	Beryllium, Total	AS	16.00	208.00	
13	Cadmium, Total-ICP	AS	16.00	208.00	
13	Chromium, Total-ICP	AS	16.00	208.00	
13	Cobalt, Total	AS	16.00	208.00	
13	Copper, Total	AS	16.00	208.00	
13	Lead, Total-ICP	AS	16.00	208.00	
13	Nickel, Total	AS	16.00	208.00	
13	Selenium, Total-GF	AS	25.00	325.00	
13	Silver, Total-ICP	AS	16.00	208.00	
13	Thallium, Total-ICP	AS	16.00	208.00	

BURLINGTON RESEARCH

Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
Chemical Product Environmental Assessments • NPDES Testing
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615 Huffman Mill Road • Burlington, NC 27215-5122 • (910) 584-5564 • Fax (910) 584-5564 Ext. 202

WORK ORDER #: 94-04-316 **INVOICE #: 22474**

QUAN	DESCRIPTION	DEPT	UNIT PRICE	AMOUNT	REMARK
13	Vanadium, Total	AS	16.00	208.00	
13	Zinc, Total	AS	16.00	208.00	
			TOTAL DUE	**6985.60**	

This invoice reflects price changes effective March 1, 1994.

The invoice amount above is PAYABLE IN FULL WITHIN TWENTY DAYS after the date of invoice. A late payment charge of 1 1/2% per month (18% per year) will be added to invoice amounts unpaid when due. In the event of default by purchaser, purchaser agrees to pay reasonable expenses and attorney's fees incurred by BRI for the collection of indebtedness. Such attorney's fees shall not exceed 15% of the amount due. Purchaser submits to the jurisdiction of North Carolina courts in Alamance County, North Carolina.

BURLINGTON RESEARCH
• 615 Huffman Mill Road
• Burlington, NC 27215
• (910) 584-5564
• Fax (910) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: Alamance Co. Landfill

Facility/Site: Alamance Co

Sampler: (Print) Jeff Davis (Signature) [signature]

CONTACT PERSON:

Phone Number: ( )

Purchase Order #:

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
MW #1		0825 04/15/94			✓	4	8240/8260 (Sam-Col, Mileage), Be, Cd, Cr, Co, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Boiler, Ph-FO, Temp-FO, SPCNDF, Sb, As, Ba			
MW #2		0915 04/15/94			✓	4	" " " "			
MW #3		0925 04/15/94			✓	4	" " " "			
MW #4		1010 04/15/94			✓	4	" " " "			
MW #5		1218 04/15/94			✓	4	" " " "			
MW #6		1115 04/15/94			✓	4	" " " "			
MW #7A		1130 04/15/94			✓	4	" " " "			
MW #7B		1137 04/15/94			✓	4	" " " "			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment:			

FOR LAB USE ONLY

Received in Lab FROM: (Signature) [signature]	Received for Lab BY: (Signature) [signature]	Date: 04/15/94	Time: 1300
Method of Shipment: BRI		Sample Integrity Comment:	

BURLINGTON RESEARCH
• 615 Huffman Mill Road
• Burlington, NC 27215
• (910) 584-5584
• Fax (910) 584-5584, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: Alamance Co. Landfill

Facility/Site: Alamance Co

Sampler: (Print) Jeff Davis (Signature) [signature]

CONTACT PERSON:

Phone Number: ( )

Purchase Order #:

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
MW #1		0825 04/15/94			✓	4	8240/8260 (Sam. Col, Mileage), Be, Cd, Cr, Co, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Boiler, Ph-FO, Temp-FO, SPCNDF, Sb, As, Ba			
MW #2		0915 04/15/94			✓	4	" " " "			
MW #3		0925 04/15/94			✓	4	" " " "			
MW #4		1010 04/15/94			✓	4	" " " "			
MW #5		1218 04/15/94			✓	4	" " " "			
MW #6		1115 04/15/94			✓	4	" " " "			
MW #7A		1130 04/15/94			✓	4	" " " "			
MW #7B		1137 04/15/94			✓	4	" " " "			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment:			

FOR LAB USE ONLY

Received in Lab FROM: (Signature) [signature]	Received for Lab BY: (Signature) [signature]	Date: 04/15/94	Time: 1300
Method of Shipment: BRI		Sample Integrity Comment:	

A. D. PAIE & CO., PRINTERS

BURLINGTON RESEARCH
• 615 Huffman Mill Road
• Burlington, NC 27215
• (910) 584-5564
• Fax (910) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: Alamance Co. LandFill

CONTACT PERSON:

Facility/Site Alamance Co.

Phone Number: ( )

Sampler: (Print) Jeff Davis (Signature) Jeff Davis

Purchase Order #:

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO			V, Zn, Co 8240/8260, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl	SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
MW #8A		1155 04/15/94					Bailer, pH-50, Temp-50, SPCNDF, Sb, As, Ba			
MW #8B		1222 04/15/94					" " " "			
MW #9		0850 04/15/94					" " " "			
Upstream		1212 04/15/94					" " " "			
Downstream		0930 04/15/94					" " " "			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment:			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received in Lab BY: (Signature)	Date:	Time:
Jeff Davis	[illegible]	04/15/94	1300
Method of Shipment:		Sample Integrity Comment:	

A. R. PATE & CO. PRINTERS

Alamance County Health Department
Graham-Hopedale Road
Burlington, N.C. 27215
(Telephone: 227-0101)

SOLID WASTE SECTION
AUG 05 1993

TO: Bobby Lutfy

FROM: Ernest Perry

SUBJECT: Water samples near landfill (6-29-93)

DATE: August 4, 1993

Attached are the lab reports of water samples taken from private wells around and down gradient from the landfill. Please review and advise the ground water implications for this area.

cc: Alvin Cagle
Landfill Manager

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Epidemiology

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary

DEHNR

SOLID WASTE SECTION
AUG 05 1993

July 12, 1993

Mr. Ernest Perry
Mr. Tim Warren
Alamance County Health Department
209 North Graham-Hopedale Road
Burlington, North Carolina 27215

Dear Mr. Perry and Thompson:

RE: Health Risk Evaluations
Private Well Samples, Alamance County

Attached are the Environmental Epidemiology Section's drinking water health risk evaluations for the well water samples from the above sites. Recommendations for continued water use are also given.

If you have any further questions, please feel free to contact me at (919) 733-3410.

Sincerely,

Kenneth Rudo, Ph.D., Toxicologist
Environmental Epidemiology Section

KR:lp

Attachment

North Carolina Department of Environment, Health, & Natural Resources
Division of Epidemiology
Environmental Epidemiology Section

Drinking Water Health Risk Evaluation
General

SOLID WASTE SECTION
AUG 05 1993
COUNTY

DATE 7/12/93 LABORATORY NUMBER 931850 931848 931846 931849 931847

(✓) Based on these analytical results, this water should be considered safe for normal usage.

( ) Chemical analysis did not show any contamination. Water should be resampled if odor or taste persists.

( ) The water should not be used for drinking or cooking purposes, avoid prolonged bathing/showering.

( ) Based on these analytical results, this water is highly contaminated and should not be used for drinking, cooking or bathing/showering.

( ) The laboratory results are not conclusive, please resample:

PLEASE INDICATE ON LAB SHEET THAT IT IS A RESAMPLE AND PROVIDE PREVIOUS SAMPLE NUMBER(S).

( ) COMMENTS:

For further information, contact Dr. Ken Rudo or Dr. Luanne Williams, Environmental Epidemiology Section, (919) 733-3410.

DEHNR 3891 (5/92)
Environmental Epidemiology Section (Review 5/95)

INSTRUCTIONS

Using typewriter or ball point pen, fill in all requested information on the top portion of form front. Please print legibly if typewriter is not available.

SOLID WASTE SECTION
AUG 05 1993

SAMPLE COLLECTION

1) Remove the one 1-quart plastic container and inflate by mouth, if uninflated.
2) Let the water (to be sampled) run for 5 minutes to assure that the water is from the distribution system.
3) Rinse the plastic container two or three times, and discard the water.
4) After rinsing, fill the container to within approximately one inch of top of the sampling container. Then cap the container securely.

SAMPLE SHIPMENT:

1) After collection of the sample, place the one 1-quart sample into the cardboard box along with the report form, then seal.
2) Mail immediately to the State Laboratory using the supplied label.

RECOMMENDED LIMITS FOR DRINKING WATER ARE LISTED BELOW:

pH	Not less than 6.5 units	Calcium	No established limits
Alkalinity	No established limits	Magnesium	No established limits
Hardness	No established limits	Fluoride	4 mg/l
Iron	0.30 mg/l	Arsenic	0.05 mg/l
Manganese	0.05 mg/l	Lead	0.05 mg/l
Chloride	250 mg/l	Zinc	5.00 mg/l
		Copper	1.00 mg/l

FOR LABORATORY USE ONLY

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 – 306 N. WILMINGTON ST., RALEIGH 27611

SOLID WASTE SECTION
AUG 05 1993

#1

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

#1

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: E. Williamson

Address: 3363 Sams. Sax. Rd.,

Graham ZIP 27253

County: Alamance

Report To: Carl Carroll

Address: ENVIRONMENTAL HEALTH SECTION
ALAMANCE COUNTY HEALTH DEPARTMENT
209 N. GRAHAM-HOPEDALE ROAD
BURLINGTON, N. C. 27217-2971

ZIP

Collected By: E. Perry

Date Collected: 6-28-93 Time: 1:38 AM (PM)

Location of Sampling Point: Spigot on RIGHT side of House

Remarks:

Source of Water:
(X) Ground ( ) Both
( ) Surface ( ) Purchased

Source of Sample:
(X) House Tap
( ) Well Tap

Type of Sample:
(X) Raw ( ) Treated

Type of Treatment:
(X) None ( ) Lime
( ) Chlorinated ( ) Soda Ash
( ) Fluoridated ( ) Polyphosphate
( ) Filtered ( ) Water Softener
( ) Alum ( ) Other

Type of Analysis Desired:
(X) Regular Parameters ( ) Both
(X) Optional Parameters

Regular Parameters	Results	units
pH	6.4	units
Arsenic	<0.01	mg/l
Lead	<0.005	mg/l
Iron	0.06	mg/l
Manganese	<0.03	mg/l
Copper	0.26	mg/l
Zinc	<0.05	mg/l
Calcium	4.0	mg/l
Magnesium	1.7	mg/l
Hardness-$CaCO_3$ (Ca, Mg)	17	mg/l
Alkalinity-$CaCO_3$	28	mg/l
Chloride	<5	mg/l
Fluoride	<0.10	mg/l

Optional Parameters (List as needed)	Results mg/l
Barium	<0.1
Cadmium	<0.002
Mercury	<0.0005
Total Dissolved Solids	39
~~Manganese~~	

Date Received _____ Date Reported 7/22/93 Reported By _____

Date Analyzed _____ Laboratory Number 011111 JUN 30 93

RECEIVED
JUL 8 1993
ACHD

DHS Form - 1441 Rev. 3/89
Laboratory

HEALTH DEPARTMENT

#2

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 – 306 N. WILMINGTON ST., RALEIGH 27611

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: Eliud Hebblethwaite

Address: 3410 Sweps.-Sax. Rd.

Graham, NC 1 ZIP 27253

County: Alamance

Report To: Carl Carroll

Address: ENVIRONMENTAL HEALTH SECTION
ALAMANCE COUNTY HEALTH DEPARTMENT
209 N. GRAHAM-HOPEDALE ROAD
BURLINGTON, N. C. 27217-2971

ZIP

Collected By: E. Perry

Date Collected: 6-29-93 Time: 1:45 AM (PM)

Location of Sampling Point: Spigot on back of House

Remarks:

Source of Water:
(X) Ground ( ) Both
( ) Surface ( ) Purchased

Source of Sample:
(X) House Tap
( ) Well Tap

Type of Sample:
(X) Raw ( ) Treated

Type of Treatment:
(X) None ( ) Lime
( ) Chlorinated ( ) Soda Ash
( ) Fluoridated ( ) Polyphosphate
( ) Filtered ( ) Water Softener
( ) Alum ( ) Other

Type of Analysis Desired:
(X) Regular Parameters (X) Both
(X) Optional Parameters

Regular Parameters	Results	
pH	6.2	units
Arsenic	<0.01	mg/l
Lead	0.021	mg/l
Iron	0.11	mg/l
Manganese	<0.03	mg/l
Copper	0.71	mg/l
Zinc	0.27	mg/l
Calcium	5.5	mg/l
Magnesium	1.6	mg/l
Hardness-$CaCO_3$ (Ca, Mg)	20	mg/l
Alkalinity-$CaCO_3$	22	mg/l
Chloride	8	mg/l
Fluoride	<0.10	mg/l

Optional Parameters (List as needed)	Results mg/l
Barium	<0.1
Cadmium	<0.002
Mercury	<0.0005
Total Dissolved Solids	52
~~Maganese~~	

Date Received _____ Date Reported 7/22/93 Reported By _____

Date Analyzed _____ Laboratory Number A11112 JUN 30 93

RECEIVED JUL 3 1993 AGHD

DHS Form - 1441 Rev. 3/89
Laboratory

HEALTH DEPARTMENT

#3

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 – 306 N. WILMINGTON ST., RALEIGH 27611

SOLID WASTE SECTION
AUG 05 1993

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: Steven Wall

Address: 3538 Sweps. Sax Rd.

Graham ZIP 27253

County: Alamance

Report To: Carl Carroll
ENVIRONMENTAL HEALTH SECTION
ALAMANCE COUNTY HEALTH DEPARTMENT
Address: 209 N. GRAHAM-HOPEDALE ROAD
BURLINGTON, N. C. 27217-2971

ZIP

Collected By: E. Perry

Date Collected: 6-29-93 Time: 1:50 AM (PM)

Location of Sampling Point: Spigot at back of House

Remarks:

Source of Water:
(X) Ground ( ) Both
( ) Surface ( ) Purchased

Source of Sample:
(X) House Tap
( ) Well Tap

Type of Sample:
(X) Raw ( ) Treated

Type of Treatment:
(X) None ( ) Lime
( ) Chlorinated ( ) Soda Ash
( ) Fluoridated ( ) Polyphosphate
( ) Filtered ( ) Water Softener
( ) Alum ( ) Other

Type of Analysis Desired:
( ) Regular Parameters (X) Both
( ) Optional Parameters

Regular Parameters	Results		Optional Parameters (List as needed)	Results mg/l
pH	6.5	units		
Arsenic	<0.01	mg/l		
Lead	<0.005	mg/l	Barium	<0.1
Iron	<0.05	mg/l	Cadmium	<0.002
Manganese	<0.03	mg/l	Mercury	<0.0005
Copper	0.05	mg/l		
Zinc	<0.05	mg/l	Total Dissolved Solids	63
Calcium	7.9	mg/l		
Magnesium	4.6	mg/l	Maganese 7 ox	
Hardness-$CaCO_3$ (Ca, Mg)	39	mg/l		
Alkalinity-$CaCO_3$	30	mg/l		
Chloride	9	mg/l		
Fluoride	<0.10	mg/l		

Date Received _____ Date Reported 7/22/93 Reported By _____

Date Analyzed _____ Laboratory Number _____

011112 JUN 30 93

3 1993
ACHD

DHS Form - 1441 Rev. 3/89

HEALTH DEPARTMENT

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 – 306 N. WILMINGTON ST., RALEIGH 27611

SOLID WASTE SECTION
AUG 05 1993

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

#4

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: Mike Linens

Address: 3636 Sweps.-Sax. Rd.

Graham, ZIP 27253

County: Alamance

Report To: Carl Carroll

Address: ENVIRONMENTAL HEALTH SECTION
ALAMANCE COUNTY HEALTH DEPARTMENT
209 N. GRAHAM-HOPEDALE ROAD
BURLINGTON, N. C. 27217-2971

ZIP

Collected By: E. Perry

Date Collected: 6-29-93 Time: 1:55 AM (PM)

Location of Sampling Point: KITCHEN SINK

Source of Water:
(X) Ground ( ) Both
( ) Surface ( ) Purchased

Source of Sample:
(X) House Tap
( ) Well Tap

Type of Sample:
(X) Raw ( ) Treated

Type of Treatment:
(X) None ( ) Lime
( ) Chlorinated ( ) Soda Ash
( ) Fluoridated ( ) Polyphosphate
( ) Filtered ( ) Water Softener
( ) Alum ( ) Other

Type of Analysis Desired:
( ) Regular Parameters (X) Both
( ) Optional Parameters

Remarks:

Regular Parameters	Results		Optional Parameters (List as needed)	Results mg/l
pH	6.8	units		
Arsenic	<0.01	mg/l		
Lead	<0.005	mg/l	Barium	<0.1
Iron	0.12	mg/l	Cadmium	<0.002
Manganese	<0.03	mg/l	Mercury	<0.0005
Copper	<0.05	mg/l		
Zinc	<0.05	mg/l	Total Dissolved Solids	78
Calcium	8.3	mg/l		
Magnesium	7.3	mg/l	~~Maganese~~	
Hardness-$CaCO_3$ (Ca, Mg)	51	mg/l		
Alkalinity-$CaCO_3$	70	mg/l		
Chloride	<5	mg/l		
Fluoride	0.10	mg/l		

Date Received _____ Date Reported 7/22/93 Reported By _____

Date Analyzed _____ Laboratory Number 011113 JUN 30 93

RECEIVED
3 1993
ACHD

DHS Form - 1441 Rev. 3/89

HEALTH DEPARTMENT

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 – 306 N. WILMINGTON ST., RALEIGH 27611

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: Thomas Williamson

Address: 3708 Sweps Sax Rd.

Graham ZIP 27253

County: Alamance

Report To: Carl Carroll

Address: ENVIRONMENTAL HEALTH SECTION
ALAMANCE COUNTY HEALTH DEPARTMENT
200 N. GRAHAM-HOPEDALE ROAD
BURLINGTON, N. C. 27217-2971

ZIP

Collected By: E. Perry

Date Collected: 6-29-93 Time: 2:00 AM (PM)

Location of Sampling Point: Spigot at Front of House

Remarks:

Source of Water:
(X) Ground ( ) Both
( ) Surface ( ) Purchased

Source of Sample:
(X) House Tap
( ) Well Tap

Type of Sample:
(X) Raw ( ) Treated

Type of Treatment:
(X) None ( ) Lime
( ) Chlorinated ( ) Soda Ash
( ) Fluoridated ( ) Polyphosphate
( ) Filtered ( ) Water Softener
( ) Alum ( ) Other

Type of Analysis Desired:
( ) Regular Parameters (X) Both
( ) Optional Parameters

Regular Parameters	Results	units
pH	6.7	units
Arsenic	<0.01	mg/l
Lead	<0.005	mg/l
Iron	<0.05	mg/l
Manganese	<0.03	mg/l
Copper	0.17	mg/l
Zinc	<0.05	mg/l
Calcium	10.4	mg/l
Magnesium	5.9	mg/l
Hardness-$CaCO_3$ (Ca, Mg)	50	mg/l
Alkalinity-$CaCO_3$	70	mg/l
Chloride	<5	mg/l
Fluoride	<0.10	mg/l

Optional Parameters (List as needed)	Results mg/l
Barium	<0.1
Cadmium	<0.002
Mercury	<0.0005
Total Dissolved Solids	81
Maganese 7.9	

Date Received _____ Date Reported 7/22/93 Reported By _____

Date Analyzed _____ Laboratory Number 011109 JUN 30 93

RECEIVED 3 1993 AGRD

DHS Form - 1441 Rev. 3/89

HEALTH DEPARTMENT

North Carolina Department of Human Resources
Division of Health Services
Laboratory Section
P.O. Box 28047, Raleigh, N.C. 27611

Environmental Sciences Analysis Report

JUL 1993

SOLID WASTE SECTION
AUG 05 1993

VOC analysis

Name of Owner, Patient or Supply: E. Williamson #1

Address: 3363 Sweps. Sax. Rd.

County: Alamance

Report to: Carl Carroll ~~ENVIRONMENTAL HEALTH SECTION~~

Address: ALAMANCE COUNTY HEALTH DEPARTMENT
209 N. GRAHAM-HOPEDALE ROAD
~~BURLINGTON, N. C. 27217-2971~~

Date Collected: 6-29-93

Collected By: E. Perry

Analysis Desired: .502.2 Methodogy

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
931846			NO VOLATILE COMPOUNDS IDENTIFIED

Date Received 6-30-93 WG

Date Extracted

Date Reported 7-6-93

Date Analyzed VOC 7/1/93 JDM

Reported By: John L. Neal

DHS Form 2364 Revised (1/87)
Laboratory

Mildred A. Kerbaugh
Director

Division of Health Services
Laboratory Section
P.O. Box 28047, Raleigh, N.C. 27611

Environmental Sciences Analysis Report

JUL 1993
SOLID WASTE SECTION
AUG 05 1993

Name of Owner, Patient or Supply: Eliud Hebblethwaite #2

Address: 3410 Sweps.-Sax. Rd., Graham, NC

County: Alamance

Report to: Carl Carroll
~~ENVIRONMENTAL HEALTH SECTION~~

Address: ALAMANCE COUNTY HEALTH DEPARTMENT
209 N. GRAHAM-HOPEDALE ROAD
~~BURLINGTON, N. C. 27217-2971~~

Date Collected: 6-29-93

Collected By: E. Hurst

Analysis Desired: 502.2 Methodogy

VOC analysis

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
			SEE ATTACHED SHEET(S)
931847			

Date Received 6-30-93 NG

Date Reported 7-6-93

Date Extracted

Date Analyzed VOC 7/2/93 AM

Reported By: John P. Neal

P.O. Box 28047, Raleigh, N.C. 27611

Environmental Sciences Analysis Report

SOLID WASTE SECTION
AUG 05 1993

JUL 1993

ame of Owner, Patient
r Supply: Steven Wall #3

ddress: 3538 Sweps.-Sax. Rd.

ounty: Alamance

eport to: Carl Carroll

ddress: ENVIRONMENTAL HEALTH SECTION
~~ALAMANCE COUNTY HEALTH DEPARTMENT~~
209 N. GRAHAM-HOPEDALE ROAD
BURLINGTON, N. C. 27217-2971

VOC analysis

ate Collected: 6-29-93

ollected By: E. Perry

nalysis Desired: 502.2 Methodogy

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
931848			NO VOLATILE COMPOUNDS IDENTIFIED

Date Received 6-30-93 WG

Date Extracted

Date Reported 7-6-93

Date Analyzed VOC 7/2/93 JPM

Reported By: John L. Neal

Division of Health Services
Laboratory Section
P.O. Box 28047, Raleigh, N.C. 27611

Environmental Sciences Analysis Report

SOLID WASTE SECTION
AUG 0 5 1993
JUL 1993

Name of Owner, Patient or Supply: Mike Linens #4

Address: 3636 Sweps.-Sax. Rd., Graham

County: Alamance

Report to: Carl Carroll

Address: ENVIRONMENTAL HEALTH SECTION
ALAMANCE COUNTY HEALTH DEPARTMENT
209 N. GRAHAM-HOPEDALE ROAD
BURLINGTON, N. C. 27217-2971

VOC analysis

Date Collected: 6-29-93

Collected By: E. Perry

Analysis Desired: 502.2 Methodogy

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
931849			NO VOLATILE COMPOUNDS IDENTIFIED

Date Received 6-30-93 WG

Date Reported 7-6-93

Date Extracted

Date Analyzed VOC 7/2/93 JPM

N. P. Neal

Division of Health Services
Laboratory Section
P.O. Box 28047, Raleigh, N.C. 27611

Environmental Sciences Analysis Report

SOLID WASTE SECTION
JUL 1993
AUG 05 1993

Name of Owner, Patient or Supply: Thomas Williamson #5

Address: 3708 Sweps.-Sax. Rd.

County: Alamance

Report to: Carl Carroll
ENVIRONMENTAL HEALTH SECTION

Address: ALAMANCE COUNTY HEALTH DEPARTMENT
209 N. GRAHAM-HOPEDALE ROAD
BURLINGTON, N. C. 27217-2971

VOC analysis

Date Collected: 6-29-93

Collected By: E. Perry

Analysis Desired: 502.2 Methodogy

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
931850			NO VOLATILE COMPOUNDS IDENTIFIED
931851		Trip Blank (844 → 850)	NO VOLATILE COMPOUNDS IDENTIFIED

Date Received 6-30-93 WG

Date Reported 7-6-93

Date Extracted

Date Analyzed VOC 7/2/93 JPM

Reported By: Phil P Neal

Alamance County Health Department
Graham-Hopedale Road
Burlington, N.C. 27215
(Telephone: 227-0101)

SOLID WASTE SECTION
JUL 08 1992

TO: Bobby Luffy

FROM: Ernest Perry

SUBJECT: Water samples near landfill

DATE: July 7, 1992

Attached are the lab reports of water samples taken from private wells around and down gradient from the landfill. Please review and advise the ground water implications for this area.

cc: Alvin Cagle
Landfill Manager

LATTY

State of North Carolina
Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
P.O. Box 27687 · Raleigh, North Carolina 27611-7687

James G. Martin, Governor
William W. Cobey, Jr., Secretary

William L. Meyer
Director

June 29, 1992

Mr. Robert C. Smith
Alamance County Manager
124 West Elm Street
Graham, N.C. 27253

RE: Analytical Results From Monitoring Wells MW-4 and MW-9 At The Alamance County Sanitary Landfill (Permit # 01-01)

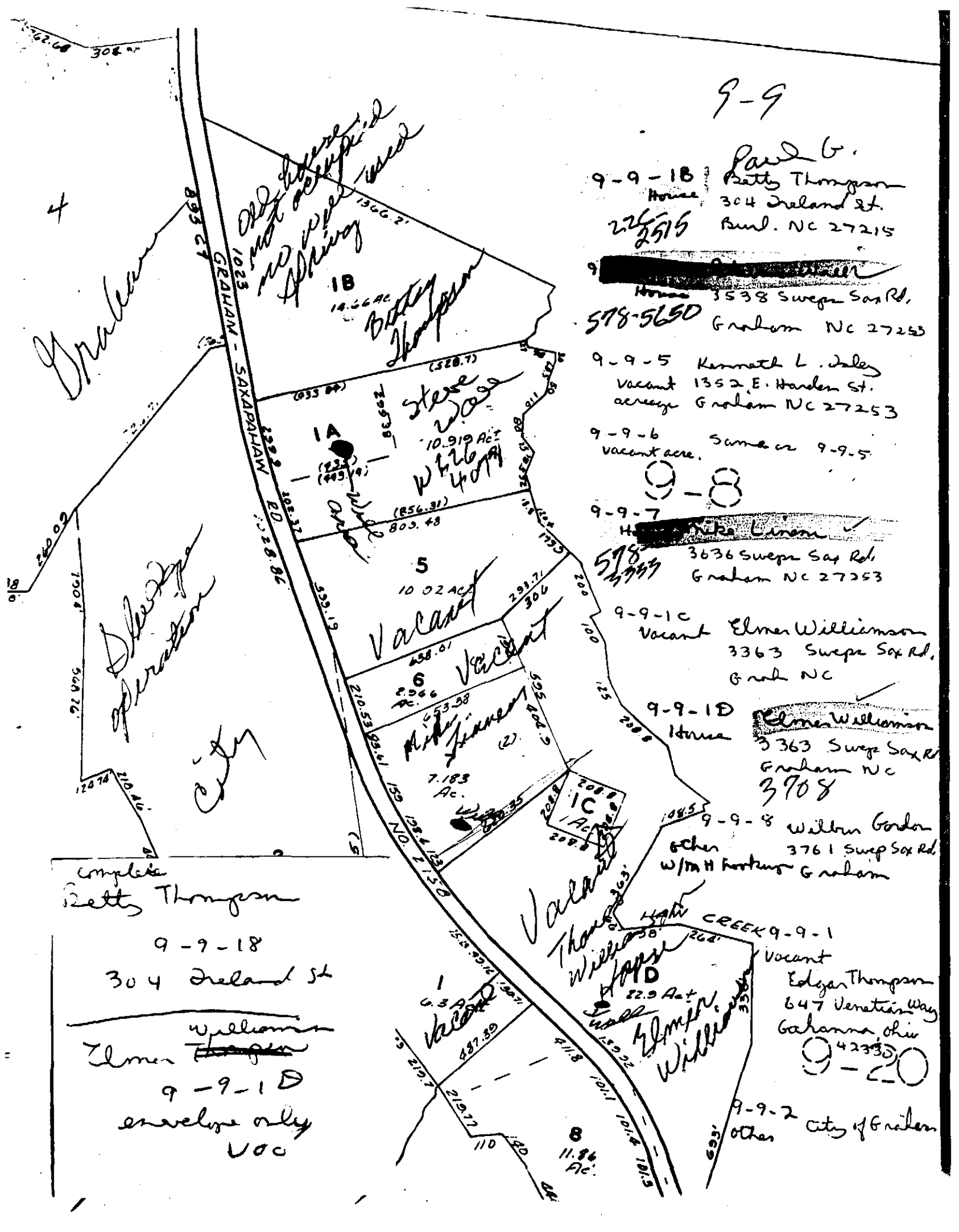
Dear Mr. Smith,

This letter is written to report the results of the sampling of two monitoring wells at the Alamance County Landfill that were sampled by the Solid Waste Section on June 5, 1992. The results confirm what we discussed in our meeting on that date. Monitoring Well MW-4 is showing evidence of contamination for several volatile organic compounds. This indicates the need for additional ground water investigation at the site as requested in my letter of May 27, 1992. Monitoring Well MW-9 showed no evidence of significant contamination. This supports my evaluation that the possibility of off-site contamination is extremely remote.

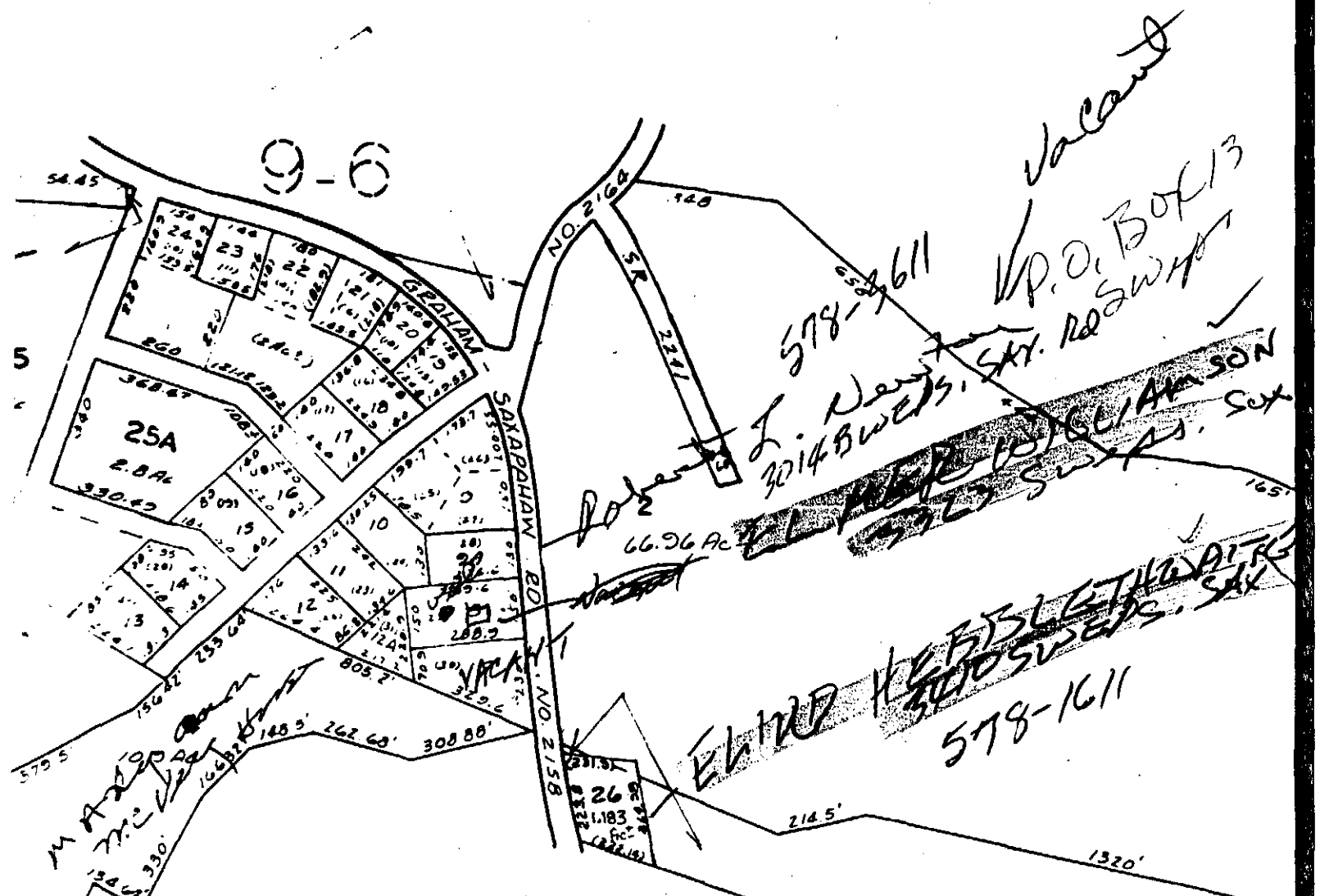
Copies of the sampling results for the two monitoring wells are attached for your review. Based on the results from this sampling event and considering the location of the two wells sampled, there does not appear to be any likelihood of contamination moving off-site at this time. Therefore there is no imminent threat to the public health. However the presence of volatile organic compounds in well MW-4 will mandate that additional water quality investigation be done at the Alamance County Landfill site. Please proceed with the investigation requested in my letter of May 27. Let our office know the date the sampling is scheduled so we can make arrangements to split samples with your sampling contractor.

The letter recently received by our office from Central Virginia Laboratories and Consultants confirms that this laboratory is certified for wastewater analysis rather than drinking water analysis as specified in the "North Carolina Water Quality Monitoring Guidance Document For Solid Waste Facilities". Future sampling should be analyzed by a laboratory certified by the state of North Carolina for drinking water analysis.

An Equal Opportunity Affirmative Action Employer


9-9
9-9-1B Paul G. Betty Thompson
House 304 Ireland St.
226-2515 Burl. NC 27215
[redacted]
House 3538 Swepe Sax Rd.
578-5650 Graham NC 27253
9-9-5 Kenneth L. Daley
Vacant 1352 E. Harden St.
acreage Graham NC 27253
9-9-6 Same as 9-9-5
vacant acre.
9-8
9-9-7
[redacted] Linen
578-3333 3636 Swepe Sax Rd.
Graham NC 27253
9-9-1C
Vacant Elmer Williamson
3363 Swepe Sax Rd.
Grah NC
9-9-1D
House Elmer Williamson
3363 Swepe Sax Rd
Graham NC
3708
9-9-8 Wilbur Gordon
Other 3761 Swep Sax Rd.
W/M H Housing Graham
9-9-1 Vacant
Edgar Thompson
647 Venetian Way
Gahanna Ohio
42330
9-9-2 City of Graham
Other
Graham
Old house not occupied no well used
Spring
1B
14.66 Ac
Betty Thompson
1A
10.919 Ac
Steve Wood
5
10.02 Ac
Vacant
6
2.366 Ac
Vacant
7.183 Ac.
1C
1 Ac
Vacant
Thomas Williamson
1D
22.9 Ac
Elmer Williamson
1
6.3 Ac
Vacant
8
11.86 Ac
Sheep operation
GRAHAM - SAXAPAHAW RD
NO 2130
HAW CREEK
Complete
Betty Thompson
9-9-18
304 Ireland St
Elmer Williamson
9-9-1D
envelope only
VOC

9-8



9-7-4 Robert Bowling
House 2124 Bowlinguard Lane
Haw River NC 27258

9-7-9 Yvonne Davis
House 3109A Worm Ranch Rd.
Haw River NC 27258

9-7-9A No name for 9A

9-7-8 Jimmy Manning
Vacant P.O. Box 536
Pittsboro, NC 27312

-7-7 Barbara Kitchen
815 Colin D.

9-7-26 Yvonne Davis
3109B Worm Ranch Rd
Haw River NC 27258

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 — 306 N. WILMINGTON ST., RALEIGH 27611

6 1992
ACHD

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: E. Williamson

Address: 3363 Sweps.-Sax. Rd.

Graham, NC ZIP 27253

County: Alamance

Report To: Carl Carroll

Address: Alamance County Health Dept.

209 N. Graham-Hopedale Rd.

Burlington, NC ZIP 27217-2971

Collected By: CARL CARROLL/ERNEST PERRY

Date Collected: 6-12-92 Time: 11:23 AM PM

Location of Sampling Point: Outside Rightside spigot

Remarks:

Source of Water:
(✓) Ground ( ) Both
( ) Surface ( ) Purchased

Source of Sample:
(✓) House Tap
( ) Well Tap

Type of Sample:
(✓) Raw ( ) Treated

Type of Treatment:
(✓) None ( ) Lime
( ) Chlorinated ( ) Soda Ash
( ) Fluoridated ( ) Polyphosphate
( ) Filtered ( ) Water Softener
( ) Alum ( ) Other

Type of Analysis Desired:
( ) Regular Parameters ( ) Both
(X) Optional Parameters

Regular Parameters	Results	
pH	6.7	units
Arsenic	<0.01	mg/l
Lead	<0.005	mg/l
Iron	<0.03	mg/l
Manganese	<0.03	mg/l
Copper	0.16	mg/l
Zinc	<0.05	mg/l
Calcium	4.1	mg/l
Magnesium	1.7	mg/l
Hardness-$CaCO_3$ (Ca, Mg)	17	mg/l
Alkalinity-$CaCO_3$	24	mg/l
Chloride	<5	mg/l
Fluoride	0.14	mg/l

Optional Parameters (List as needed)	Results
Barium	<0.04
Cadmium	<0.005
Mercury	<0.0002
Total Dissolved Solids	72
[redacted]	
[redacted]	
Maganese	<0.03

Date Received _____ Date Reported 7/2/92 Reported By _____

010493 JUN 12 92

Date Analyzed _____ Laboratory Number _____

DHS Form 1641 S

North Carolina Department of Environment, Health, & Natural Resources
Division of Epidemiology
Environmental Epidemiology Section

Drinking Water Health Risk Evaluation
General

Alamance COUNTY

DATE 6-16-96 LABORATORY NUMBER 921507

(✓) Based on these analytical results, this water should be considered safe for normal usage.

( ) Chemical analysis did not show any contamination. Water should be resampled if odor or taste persists.

( ) The water should not be used for drinking or cooking purposes, avoid prolonged bathing/showering.

( ) Based on these analytical results, this water is highly contaminated and should not be used for drinking, cooking or bathing/showering.

( ) The laboratory results are not conclusive, please resample:

PLEASE INDICATE ON LAB SHEET THAT IT IS A RESAMPLE AND PROVIDE PREVIOUS SAMPLE NUMBER(S).

(✓) COMMENTS:

The chloroform detected in water is a result of the reaction of chlorine and a carbon source in the water which produced chloroform. The level detected is extremely low and should not pose a health risk at this time. Please resample in 6 months.

For further information contact Dr. Ken Rudo or Dr. Luanne Williams, Environmental Epidemiology Section, (919) 733-3410.

DEHNR 3891 (5/92)
Environmental Epidemiology Section (Review 5/95)

B.A.

N.C. Dept. of Environment, Health and Natural Resources
Division of Laboratory Services
State Laboratory of Public Health
P.O. Box 28047, Raleigh, N.C. 27611

VOC

RUSH

Environmental Sciences Analysis Report

Please Read instruction sheet.
VOA vials contain 1:1 HCL

Name of Owner, Patient or Supply: Elmer Williamson

Address: ~~3363 Sweps-Sax Rd., Graham, N.~~ C.

County: ~~Alamance~~

Report To: Carl Carroll, Ala. Co. H. D.

Address: 209N. Grahan-Hopedale Rd.
Burlington, N. C. 27217=2971

Date Collected: 6-17-92

Collected By: 502.2 Methodogy

Analysis Desired: CARL CARROLL / ERNEST PERRY

RECEIVED
JUN 24 1992
ACHD

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
321846			SEE ATTACHED SHEET(S)
321847		Trip Blk	NO VOLATILE COMPOUNDS IDENTIFIED

Date Received 6/17/92 7PM

Date Extracted

Date Reported 6/22/92

Date Analyzed VOC 6/18/92 7PM

Reported By: John R. Neal

DEHNR Form 2364 Revised (9-89)
Laboratory

N. C. DEPARTMENT OF ENVIRONMENT, HEALTH, & NATURAL RESOURCES
DIVISION OF LABORATORY SERVICES, ENVIRONMENTAL SCIENCES SECTION
P.O. BOX 28047 - 306 N. WILMINGTON ST, RALEIGH, N.C. 27611

Laboratory No. 921846 PURGEABLE COMPOUNDS Date of Analysis 6/18/92

COMPOUND	µg/l
Dichlorodifluoromethane	U
Chloromethane	
✓Vinyl Chloride	
Bromomethane	
Chloroethane	
Trichlorofluoromethane	
✓1,1-Dichloroethylene	
Methylene Chloride	
tert-Butyl Methyl Ether	
trans-1,2-Dichloroethylene	
Isopropyl ether	
1,1-Dichloroethane	
2,2-Dichloropropane	
cis-1,2-Dichloroethylene	
Chloroform	trace T
(BCM) Bromochloromethane	U
✓1,1,1-Trichloroethane	
1,1-Dichloropropene	
✓Carbon Tetrachloride	
✓Benzene	
✓1,2-Dichloroethane	
✓Trichloroethylene	
1,2-Dichloropropane	
Bromodichloromethane	
Dibromomethane	
Toluene	
1,1,2-Trichloroethane	
Tetrachloroethylene	
1,3-Dichloropropane	
Dibromochloromethane	
1,2-Dibromoethane (EDB)	
1-Chlorohexane	

COMPOUND	µg/l
Chlorobenzene	U
Ethylbenzene	
1,1,1,2-Tetrachloroethane	
p-Xylene	
m-Xylene	
o-Xylene	
Styrene	
Bromoform	
Isopropylbenzene	
1,1,2,2-Tetrachloroethane	
Bromobenzene	
n-Propylbenzene	
1,2,3-Trichloropropane	
2-Chlorotoluene	
1,3,5-Trimethylbenzene	
4-Chlorotoluene	
tert-Butyl Benzene	
Pentachloroethane	
1,2,4-Trimethylbenzene	
sec-Butyl Benzene	
p-Isopropyltoluene	
1,3-Dichlorobenzene	
✓1,4-Dichlorobenzene	
n-Butylbenzene	
1,2-Dichlorobenzene	
Bis (2-Chloroisopropyl) Ether	
1,2-Dibromo-3-Chloropropane	
1,2,4-Trichlorobenzene	
Hexachlorobutadiene	
Naphthalene	
1,2,3-Trichlorobenzene	

COMMENTS:

MDL - Minimum Detection Limit for water (EPA Method 502.2), is 1.0 µg/l.

J - Estimated value.
K - Actual value is known to be less than value given.
L - Actual value is known to be greater than value given.
U - Material was analyzed for but not detected.
NA - Not analyzed.
1/ - Tentative identification.
✓ - Regulated VOC
T - Trihalomethane

N.C. Dept. of Environment, Health, & Natural Resources
DEHNR 3068-O (Rev. 1/91 Laboratory Services)

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 – 306 N. WILMINGTON ST., RALEIGH 27611

RECEIVED 6 1992 ACHD

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: Mike Linens

Address: 3636 Swep.-Sax. Rd.
Graham, NC ZIP 27253

County: Alamance

Report To: Carl Carroll

Address: Alamance County Health Dept.
209 N. Graham-Hopedale Rd.
Burlington, N.C. ZIP27217-2971

Collected By: CARL CARROLL/ERNEST PERRY

Date Collected: 6-12-92 Time: 10:07 AM PM

Location of Sampling Point: FRONT OUTSIDE SPIGOT

Source of Water:
(✓) Ground ( ) Both
( ) Surface ( ) Purchased

Source of Sample:
(✓) House Tap
( ) Well Tap

Type of Sample:
(✓) Raw ( ) Treated

Type of Treatment:
(✓) None ( ) Lime
( ) Chlorinated ( ) Soda Ash
( ) Fluoridated ( ) Polyphosphate
( ) Filtered ( ) Water Softener
( ) Alum ( ) Other

Type of Analysis Desired:
( ) Regular Parameters ( ) Both
(X) Optional Parameters

Remarks:

Regular Parameters	Results	
pH	7.2	units
Arsenic	<0.01	mg/l
Lead	<0.005	mg/l
Iron	<0.05	mg/l
Manganese	<0.03	mg/l
Copper	<0.05	mg/l
Zinc	<0.05	mg/l
Calcium	8.1	mg/l
Magnesium	7.0	mg/l
Hardness-$CaCO_3$ (Ca, Mg)	49	mg/l
Alkalinity-$CaCO_3$	64	mg/l
Chloride	<5	mg/l
Fluoride	0.23	mg/l

Optional Parameters (List as needed)	Results
Barium	0.07
Cadmium	<0.005
Mercury	<0.0002
Total Dissolved Solids	108
~~Lead~~	
~~Iron~~	
Maganese	<0.03

Date Received _____ Date Reported 7/1/92 Reported By _____

JUN 12 92

Date Analyzed _____ Laboratory Number _____

DHS Form - 1441 Rev. 3/89

#2

N.C. Dept. of Environment, Health and Natural Resources
Division of Laboratory Services
State Laboratory of Public Health
P.O. Box 28047, Raleigh, N.C. 27611

Environmental Sciences Analysis Report

VOC

~~PETROLEUM PRODUCTS~~

RUSH

Please Read instruction sheet
VOA vials contain 1:1 HCL

Name of Owner, Patient or Supply: Mike Linens

Address: 3636 Swep.-Sax. Rd., Graham, NC

County: Alamance

Report To: Carl Carroll, Al. Co. Health Dept.

Address: 209 N. Graham-Hopedale Rd.

Burlington, NC 27217-2971

Date Collected: 6-12-92

Collected By: CARL CARROLL/ERNEST PERRY

Analysis Desired: 502.2 METHODOGY

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
921804			NO VOLATILE COMPOUNDS IDENTIFIED

Date Received 6-12-92 WM

Date Reported 6-15-92

Date Extracted

Date Analyzed VOC 6/12/92 7PM

Reported By: John L. Neal

DEHNR Form 2364 Revised (9-89)
Laboratory

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 — 306 N. WILMINGTON ST., RALEIGH 27611

RECEIVED 6 1992 ACHD

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

#3

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: Thomas W. Williamson

Address: 3708 Swep.-Sax. Rd.
Graham, N.C. ZIP 27253

County: Alamance

Report To: Carl Carroll

Address: Alamance County Health Dept.
209 N. Graham-Hopedale Rd.
Burlington, NC ZIP27217-2971

Collected By: Carl Carroll/Ernest Perry

Date Collected: 6-12-92 Time: 10:36 (AM) PM

Location of Sampling Point: Outside back spigot

Source of Water:
(✓) Ground ( ) Both
( ) Surface ( ) Purchased

Source of Sample:
(✓) House Tap
( ) Well Tap

Type of Sample:
(✓) Raw ( ) Treated

Type of Treatment:
(✓) None ( ) Lime
( ) Chlorinated ( ) Soda Ash
( ) Fluoridated ( ) Polyphosphate
( ) Filtered ( ) Water Softener
( ) Alum ( ) Other

Type of Analysis Desired:
( ) Regular Parameters ( ) Both
(X) Optional Parameters

Remarks:

Regular Parameters	Results	
pH	7.0	units
Arsenic	<0.01	mg/l
Lead	<0.005	mg/l
Iron	<0.05	mg/l
Manganese	<0.03	mg/l
Copper	<0.05	mg/l
Zinc	<0.05	mg/l
Calcium	10.4	mg/l
Magnesium	3.8	mg/l
Hardness-$CaCO_3$ (Ca, Mg)	50	mg/l
Alkalinity-$CaCO_3$	60	mg/l
Chloride	<5	mg/l
Fluoride	<0.10	mg/l

Optional Parameters (List as needed)	Results
Barium	<0.04
Cadmium	<0.005
Chromium	<0.01
Mercury	<0.0002
Total Dissolved Solids	104
~~Lead~~	
~~Iron~~	
Maganese	<0.03

Date Received _____ Date Reported 7/1/92 Reported By _____

Date Analyzed _____ Laboratory Number _____ 010404 JUN 12 92

DHS Form - 1441 Rev. 2/89

HEALTH DEPARTMENT

#4

N.C. Dept. of Environment, Health and Natural Resources
Division of Laboratory Services
State Laboratory of Public Health
P.O. Box 28047, Raleigh, N.C. 27611

Environmental Sciences Analysis Report

VOC
~~PETROLEUM PRODUCTS~~
RUSH

Please Read instruction sheet
VOA vials contain 1:1 HCl.

Name of Owner, Patient
or Supply: Thomas W. Williamson

Address: 3708 Swep.-Sax. Rd., Graham, NC

County: Alamance

Report To: Carl Carroll, Al. Co. Health Dept.

Address: 209 N. Graham-Hopedaledale Rd.
Burlington, NC 27217-2971

Date Collected: 6-12-92

Collected By: CARL CARROLL/ERNEST PERRY

Analysis Desired: 502.2 METHODOGY

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
S21805			NO VOLATILE COMPOUNDS IDENTIFIED

Date Received 6-12-92 WB Date Reported 6-15-92

Date Extracted _____ Date Analyzed VOC 6/12/92 JPM

Reported By: John R. Neal

DEHNR Form 2364 Revised (9-89)
Laboratory

#4

Chain of Custody Record

Water Samples

Location of Sampling: Outside Back Spigot

Property Owner's Name Thomas W. Williamson Telephone (919) 578-8012

Tax Map Number 9-9-1A

Address 3708 Swep-Sax. Rd.

Collector's Name [signature] / [signature] Telephone (919) 227-0101
signature

Date Sampled 6-12-92 Time Sampled 10:40 AM

Type of Well Drilled

Field Information Well located off Right Front corner of House near drive

Field Sample No. 4

Chain of Possession:

signature	title	inclusive dates
[signature]	RS	6-12-92
[signature]	RS	6-12-92
William C. Kim Jr	Chemistry Tech.	6-12-92

Results reported

signature	title	date
John L. Neal	Chemist	6-15-92

#921805

Instructions: Complete all applicable information including signatures, and submit with analysis request forms.

#5

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 – 306 N. WILMINGTON ST., RALEIGH 27611

RECEIVED
6 1992
ACHD

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

Name of System: Steven Wall

Address: 3538 Sweps.-Sax. Rd.
Graham, N.C. ZIP 27253

County: Alamance

Report To: Carl Carroll

Address: Alamance County Health Dept.
209 N. Graham-Hopedale Rd.
Burlington, N.C. ZIP 27217-2971

Collected By: Carl Carroll/Ernest Perry

Date Collected: 6-12-92 Time: 11:01 AM PM

Location of Sampling Point: Outside back spigot

Remarks:

Source of Water:
(✓) Ground ( ) Both
( ) Surface ( ) Purchased

Source of Sample:
(✓) House Tap
( ) Well Tap

Type of Sample:
(✓) Raw ( ) Treated

Type of Treatment:
(✓) None ( ) Lime
( ) Chlorinated ( ) Soda Ash
( ) Fluoridated ( ) Polyphosphate
( ) Filtered ( ) Water Softener
( ) Alum ( ) Other

Type of Analysis Desired:
( ) Regular Parameters ( ) Both
(X) Optional Parameters

Regular Parameters	Results	
pH	6.9	units
Arsenic	<0.01	mg/l
Lead	0.006	mg/l
Iron	<0.05	mg/l
Manganese	<0.03	mg/l
Copper	<0.05	mg/l
Zinc	<0.05	mg/l
Calcium	7.7	mg/l
Magnesium	4.4	mg/l
Hardness-$CaCO_3$ (Ca, Mg)	37	mg/l
Alkalinity-$CaCO_3$	26	mg/l
Chloride	7	mg/l
Fluoride	<0.10	mg/l

Optional Parameters (List as needed)	Results
Barium	0.04
Cadmium	<0.005
Chromium	<0.01
Mercury	<0.0002
Total Dissolved Solids	92
~~Lead~~	
~~Iron~~	
Maganese	<0.03

Date Received _____ Date Reported 7/1/92 Reported By _____

Date Analyzed _____ Laboratory Number _____ 010451 JUN 12 92

#6

N.C. Dept. of Environment, Health and Natural Resources
Division of Laboratory Services
State Laboratory of Public Health
P.O. Box 28047, Raleigh, N.C. 27611

Environmental Sciences Analysis Report

Name of Owner, Patient or Supply: Steven Wall

Address: ~~3538 Sweps-Sax. Rd., Graham,~~ NC

County: Alamance

Report To: Carl Carroll, Al. Co. Health Dept.

Address: ~~209 N. Graham-Hopedale Rd.~~

Burlington, NC 27217-2971

Date Collected: 6-12-92

Collected By: CARL CARROLL/ERNEST PERRY

Analysis Desired: 502.2 METHODOGY

VOC

~~PETROLEUM PRODUCTS~~

Please Read instruction sheet
VOA vials contain 1:1 HCL

RUSH

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
921806			NO VOLATILE COMPOUNDS IDENTIFIED

Date Received 6-12-92 WD

Date Extracted

Date Reported 6-15-92

Date Analyzed VOC 6-12-92 JPM

Reported By: John R. Neal

DEHNR Form 2364 Revised (9-89)
Laboratory

#10

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES
N. C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 – 306 N. WILMINGTON ST., RALEIGH 27611

INORGANIC CHEMICAL ANALYSES-PRIVATE WATER SYSTEM

Complete All Items Above Heavy Line
(See Instructions on Reverse Side)

RECEIVED
1 1992
ACHD

Name of System: Eliud Hebblethwaite

Address: 3410 Sweps. - Sax. Rd.
Graham, N.C. ZIP 27253

County: Alamance

Report To: Carl Carroll

Address: Alamance County Health Dept.
209 N. Graham-Hopedale Rd.
Burlington, NC ZIP 27217-2971

Collected By: CARL CARROLL/ERNEST PERRY

Date Collected: 6-17-92 Time: 1:55 AM (PM)

Location of Sampling Point: Outside Back spigot

Source of Water:
(✓) Ground
( ) Surface
( ) Both
( ) Purchased

Source of Sample:
(✓) House Tap
( ) Well Tap

Type of Sample:
(✓) Raw
( ) Treated

Type of Treatment:
(✓) None
( ) Chlorinated
( ) Fluoridated
( ) Filtered
( ) Alum
( ) Lime
( ) Soda Ash
( ) Polyphosphat
( ) Water Soften
( ) Other

Type of Analysis Desired:
( ) Regular Parameters
(X) Optional Parameters
( ) Both

Remarks: Bored well or possible Hand dug Not properly protected

Regular Parameters	Results	
pH	6.4	units
Arsenic	<0.01	mg/l
Lead	0.014	mg/l
Iron	0.24	mg/l
Manganese	<0.03	mg/l
Copper	0.47	mg/l
Zinc	0.18	mg/l
Calcium	4.61	mg/l
Magnesium	1.35	mg/l
Hardness-$CaCO_3$ (Ca, Mg)	17	mg/l
Alkalinity-$CaCO_3$	18	mg/l
Chloride	6	mg/l
Fluoride	<0.10	mg/l

Optional Parameters (List as needed)	Results mg/l
Barium	0.08
Cadmium	<0.005
Chromium	<0.01
Mercury	<0.0002
Total Dissolved Solids	68
~~Lead~~	
~~Iron~~	
~~Maganese~~	

Date Received _____ Date Reported 6/30/92 Reported By _____

Date Analyzed _____ Laboratory Number 010848 JUN 1992

DHS Form

#9

North Carolina Department of Human Resources
Division of Health Services
Laboratory Section
P.O. Box 28047, Raleigh, N.C. 27611

Environmental Sciences Analysis Report

RUSH

Name of Owner, Patient or Supply: Eliud Hebblethwaite
Address: 3410 Sweps.-Sax. Rd., Graham, NC
County: Alamance
Report to: Carl Carroll, Al.Co. Health Dept.
Address: 209 N. Graham-Hopedale Rd.
Burlington, NC 27217-2971
Date Collected: 6/17/92
Collected By: CARL CARROLL/ERNEST PERRY
Analysis Desired: 502.2 METHODOGY

VOC Analysis

RECEIVED
2 4 1992
ACHD

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
921844			SEE ATTACHED SHEET(S)
921845		TripBlk	NO VOLATILE COMPOUNDS IDENTIFIED

Date Received 6/17/92 JPM
Date Reported 6/22/92
Date Extracted
Date Analyzed VOC 6/18/92 JPM
Reported By: John E. Neal

DHS Form 2364 Revised (1/87)
Laboratory

Mildred A. Kerbaugh
Director

N. C. DEPARTMENT OF ENVIRONMENT, HEALTH, & NATURAL RESOURCES
DIVISION OF LABORATORY SERVICES, ENVIRONMENTAL SCIENCES SECTION
P.O. BOX 28047 - 306 N. WILMINGTON ST, RALEIGH, N.C. 27611

Laboratory No. 921844 PURGEABLE COMPOUNDS Date of Analysis 6/18/92

COMPOUND	µg/l
Dichlorodifluoromethane	U
Chloromethane	
✓Vinyl Chloride	
Bromomethane	
Chloroethane	
Trichlorofluoromethane	
✓1,1-Dichloroethylene	
Methylene Chloride	
tert-Butyl Methyl Ether	
trans-1,2-Dichloroethylene	
Isopropyl ether	
1,1-Dichloroethane	
2,2-Dichloropropane	
cis-1,2-Dichloroethylene	
Chloroform	
(BCM) Bromochloromethane	
✓1,1,1-Trichloroethane	
1,1-Dichloropropene	
✓Carbon Tetrachloride	
✓Benzene	
✓1,2-Dichloroethane	
✓Trichloroethylene	
1,2-Dichloropropane	
Bromodichloromethane	
Dibromomethane	
Toluene	
1,1,2-Trichloroethane	✓
Tetrachloroethylene	K
1,3-Dichloropropane	U
Dibromochloromethane	
1,2-Dibromoethane (EDB)	
1-Chlorohexane	✓

COMPOUND	µg/l
Chlorobenzene	U
Ethylbenzene	
1,1,1,2-Tetrachloroethane	
p-Xylene	
m-Xylene	
o-Xylene	
Styrene	
Bromoform	
Isopropylbenzene	
1,1,2,2-Tetrachloroethane	
Bromobenzene	
n-Propylbenzene	
1,2,3-Trichloropropane	
2-Chlorotoluene	
1,3,5-Trimethylbenzene	
4-Chlorotoluene	
tert-Butyl Benzene	
Pentachloroethane	
1,2,4-Trimethylbenzene	
sec-Butyl Benzene	
p-Isopropyltoluene	
1,3-Dichlorobenzene	
✓1,4-Dichlorobenzene	
n-Butylbenzene	
1,2-Dichlorobenzene	
Bis (2-Chloroisopropyl) Ether	
1,2-Dibromo-3-Chloropropane	
1,2,4-Trichlorobenzene	
Hexachlorobutadiene	
Naphthalene	
1,2,3-Trichlorobenzene	✓

COMMENTS:

MDL - Minimum Detection Limit for water (EPA Method 502.2), is 1.0 µg/l.

J - Estimated value.
K - Actual value is known to be less than value given.
L - Actual value is known to be greater than value given.
U - Material was analyzed for but not detected.
NA - Not analyzed.
1/ - Tentative identification.
✓ - Regulated VOC
T - Trihalomethane

N.C. Dept. of Environment, Health, & Natural Resources
DEHNR 3068-O (Rev. 1/91 Laboratory Services)

9A

N.C. Dept. of Environment, Health and Natural Resources
Division of Laboratory Services
State Laboratory of Public Health
P.O. Box 28047, Raleigh, N.C. 27611

VOC

Environmental Sciences Analysis Report

Please Read instruction sheet
VOA vials contain 1:1 HCL

RECEIVED 2 ACHD

Name of Owner, Patient or Supply: Eliud Hebblethwaite

Address: 3410 Sweps.-Sax. Rd., Graham, NC

County: Alamance

Report To: Carl Carroll, Al. Co. Health Dept.

Address: 209 N. Graham-Hopedale Rd.

Burlington, NC 27217-2971

Date Collected: 6-25-92

Collected By: Carl Carroll / Ernest Perry

Analysis Desired: 50202 METHODOGY

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
321931			SEE ATTACHED SHEET(S)
321932		Trip Blank	NO VOLATILE COMPOUNDS IDENTIFIED

Date Received 6-25-92 VP

Date Extracted

Date Reported 6-29-92

Date Analyzed VOC 6/26/92 JPM

Reported By: John L. Neal

DEHNR Form 2364 Revised (9-89)
Laboratory

N. C. DEPARTMENT OF ENVIRONMENT, HEALTH, & NATURAL RESOURCES
DIVISION OF LABORATORY SERVICES, ENVIRONMENTAL SCIENCES SECTION
P.O. BOX 28047 - 306 N. WILMINGTON ST, RALEIGH, N.C. 27611

Laboratory No. 921931 PURGEABLE COMPOUNDS Date of Analysis 6/26/92

COMPOUND	µg/l
Dichlorodifluoromethane	u
Chloromethane	
✓Vinyl Chloride	
Bromomethane	
Chloroethane	
Trichlorofluoromethane	
✓1,1-Dichloroethylene	
Methylene Chloride	
tert-Butyl Methyl Ether	
trans-1,2-Dichloroethylene	
Isopropyl ether	
1,1-Dichloroethane	
2,2-Dichloropropane	
cis-1,2-Dichloroethylene	
Chloroform	
(BCM) Bromochloromethane	
✓1,1,1-Trichloroethane	trace
1,1-Dichloropropene	u
✓Carbon Tetrachloride	
✓Benzene	
✓1,2-Dichloroethane	
✓Trichloroethylene	
1,2-Dichloropropane	
Bromodichloromethane	
Dibromomethane	
Toluene	
1,1,2-Trichloroethane	
Tetrachloroethylene	1K
1,3-Dichloropropane	u
Dibromochloromethane	
1,2-Dibromoethane (EDB)	
1-Chlorohexane	

COMPOUND	µg/l
Chlorobenzene	u
Ethylbenzene	
1,1,1,2-Tetrachloroethane	
p-Xylene	
m-Xylene	
o-Xylene	
Styrene	
Bromoform	
Isopropylbenzene	
1,1,2,2-Tetrachloroethane	
Bromobenzene	
n-Propylbenzene	
1,2,3-Trichloropropane	
2-Chlorotoluene	
1,3,5-Trimethylbenzene	
4-Chlorotoluene	
tert-Butyl Benzene	
Pentachloroethane	
1,2,4-Trimethylbenzene	
sec-Butyl Benzene	
p-Isopropyltoluene	
1,3-Dichlorobenzene	
✓1,4-Dichlorobenzene	
n-Butylbenzene	
1,2-Dichlorobenzene	
Bis (2-Chloroisopropyl) Ether	
1,2-Dibromo-3-Chloropropane	
1,2,4-Trichlorobenzene	
Hexachlorobutadiene	
Naphthalene	
1,2,3-Trichlorobenzene	✓

COMMENTS:

MDL - Minimum Detection Limit for water (EPA Method 502.2), is 1.0 µg/l.

J - Estimated value.
K - Actual value is known to be less than value given.
L - Actual value is known to be greater than value given.
U - Material was analyzed for but not detected.
NA - Not analyzed.
1/ - Tentative identification.
✓ - Regulated VOC
T - Trihalomethane

N.C. Dept. of Environment, Health, & Natural Resources
DEHNR 3068-O (Rev. 1/91 Laboratory Services)

Burlington Research

Analytical Services • Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
AATCC Testing Services • NPDES Testing • Reporting & Data Handling Services
PMN Aquatic Bioassay Evaluations

Post Office Box 2481 • 615 Huffman Mill Road • (919) 584-5564 • Burlington, NC 27216-2481

01-01

SOLID WASTE SECTION
JUN 11 1993

May 21, 1993

Alamance County Landfill
124 West Elm Street
Graham, NC 27253

Attention: Mr. Alvin Cagle

Enclosed find report(s) for your sample(s) received 04/23/93, BRI Work Order # 93-04-447. Please call if you have any questions.

Thank you.

Sincerely,

BURLINGTON RESEARCH, INC.

Lyle J. Clark, Jr.
Vice President, Marketing

Burlington Research

Analytical Services • Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
AATCC Testing Services • NPDES Testing • Reporting & Data Handling Services
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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-1 Grab 4/23/93

WORK ORDER #: 93-04-447-01

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	3.8 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	36.0 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	12.9 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/29/93	04/29/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	<0.1 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	3.04 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	5.04 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	105 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	108 umhos/cm @ 25C
Sulfate	EPA 375.4	04/29/93	04/29/93	<6.0 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/11/93	05/19/93	0.2 mg/L
Cadmium, Total	EPA 213.1	05/11/93	05/14/93	0.007 mg/L
Chromium, Total	EPA 218.1	05/11/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/11/93	05/14/93	<0.01 mg/L
Iron, Total	EPA 236.1	05/11/93	05/12/93	12.4 mg/L
Lead, Total	EPA 239.1	05/11/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/11/93	05/17/93	0.29 mg/L
Mercury, Total	EPA 245.1	05/13/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/11/93	05/12/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/11/93	05/18/93	0.102 mg/L

Burlington Research

Analytical Services • Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
AATCC Testing Services • NPDES Testing • Reporting & Data Handling Services
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Post Office Box 2481 • 615 Huffman Mill Road • (919) 584-5564 • Burlington, NC 27216-2481

EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-01
METHOD QUANTITATION LIMIT (MQL): See below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

Burlington Research

Analytical Services • Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
AATCC Testing Services • NPDES Testing • Reporting & Data Handling Services
PMN Aquatic Bioassay Evaluations

Post Office Box 2481 • 615 Huffman Mill Road • (919) 584-5564 • Burlington, NC 27216-2481

WORK ORDER NUMBER(S): 93-04-447-01

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE 0.7	4.0	4.7	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-01

SAMPLE: MW-1 Grab 4/23/93

Collected: 04/23/93 09:30
Started: 05/05/93
Analyzed: 05/05/93

TOC: 2.3 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-01

TOX: 14.0 ug/L

Detection limit: 5.0 ug/L

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-2 Grab 4/23/93

WORK ORDER #: 93-04-447-05

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	3.6 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	<20.0 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	5.3 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/29/93	04/30/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	<0.1 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	<0.10 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	5.74 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	163 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	109 umhos/cm @ 25C
Sulfate	EPA 375.4	04/29/93	04/29/93	<75.0 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/11/93	05/19/93	0.3 mg/L
Cadmium, Total	EPA 213.1	05/11/93	05/14/93	<0.005 mg/L
Chromium, Total	EPA 218.1	05/11/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/11/93	05/14/93	0.02 mg/L
Iron, Total	EPA 236.1	05/11/93	05/12/93	37.4 mg/L
Lead, Total	EPA 239.1	05/11/93	05/20/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/11/93	05/17/93	0.57 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/11/93	05/12/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/11/93	05/18/93	0.107 mg/L

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-05
METHOD QUANTITATION LIMIT (MQL): See below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-05

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-05

SAMPLE: MW-2 Grab 4/23/93

Collected: 04/23/93 10:20
Started: 05/05/93
Analyzed: 05/05/93

TOC: <1.0 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-05

TOX: <5.0 ug/L

Detection limit: 5.0 ug/L

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-3 Grab 4/23/93

WORK ORDER #: 93-04-447-06

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	3.8 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	<20.0 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	5.5 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/29/93	04/30/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	<0.1 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	0.48 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	5.70 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	118 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	93 umhos/cm @ 25C
Sulfate	EPA 375.4	04/27/93	04/27/93	13.7 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/11/93	05/19/93	0.1 mg/L
Cadmium, Total	EPA 213.1	05/11/93	05/14/93	<0.005 mg/L
Chromium, Total	EPA 218.1	05/11/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/11/93	05/14/93	0.01 mg/L
Iron, Total	EPA 236.1	05/11/93	05/12/93	11.8 mg/L
Lead, Total	EPA 239.1	05/11/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/11/93	05/17/93	0.17 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/11/93	05/12/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/11/93	05/18/93	1.53 mg/L

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-06
METHOD QUANTITATION LIMIT (MQL): See below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-06

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-06

SAMPLE: MW-3 Grab 4/23/93

Collected: 04/23/93 11:00
Started: 05/05/93
Analyzed: 05/05/93

TOC: 2.5 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-06

TOX: <5.0 ug/L

Detection limit: 5.0 ug/L

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-4 Grab 4/23/93

WORK ORDER #: 93-04-447-04

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	39.6 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	22.4 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	22.2 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/29/93	04/29/93	Attached
Fluoride	EPA 340.2	05/11/93	05/11/93	<0.1 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	<0.10 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	5.88 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	1,530 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	710 umhos/cm @ 25C
Sulfate	EPA 375.4	04/29/93	04/29/93	<750 mg/L ?
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/11/93	05/19/93	<0.1 mg/L
Cadmium, Total	EPA 213.1	05/11/93	05/14/93	<0.005 mg/L
Chromium, Total	EPA 218.1	05/11/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/11/93	05/14/93	<0.01 mg/L
Iron, Total	EPA 236.1	05/11/93	05/12/93	5.6 mg/L
Lead, Total	EPA 239.1	05/11/93	05/20/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/11/93	05/17/93	0.19 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/11/93	05/12/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/11/93	05/18/93	0.024 mg/L

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-04
METHOD QUANTITATION LIMIT (MQL): See below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	8.1	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	4.2	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1- 700 (ZL draft)	4.0	43.6	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	253	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	99.6	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-04

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE 0.7	4.0	156	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
TCE 61	TRICHLOROETHENE 2.8	4.0	48.8	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE .015	4.0	13.4	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-04

SAMPLE: MW-4 Grab 4/23/93

Collected: 04/23/93 11:35
Started: 05/05/93
Analyzed: 05/05/93

TOC: 5.2 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-04

TOX: 276 ug/L MW-4

Detection limit: 5.0 ug/L

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-5 Grab 4/23/93

WORK ORDER #: 93-04-447-07

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	4.5 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	<20.0 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	12.1 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	05/06/93	05/06/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	<0.1 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	1.35 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	5.72 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	150 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	146 umhos/cm @ 25C
Sulfate	EPA 375.4	04/29/93	04/29/93	<75.0 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/12/93	05/19/93	0.2 mg/L
Cadmium, Total	EPA 213.1	05/12/93	05/14/93	<0.005 mg/L
Chromium, Total	EPA 218.1	05/12/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/12/93	05/14/93	0.03 mg/L
Iron, Total	EPA 236.1	05/12/93	05/19/93	37.3 mg/L
Lead, Total	EPA 239.1	05/12/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/12/93	05/17/93	0.35 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/12/93	05/19/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/12/93	05/18/93	0.063 mg/L

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-07
METHOD QUANTITATION LIMIT (MQL): 5 times as listed below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-07

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-07

SAMPLE: MW-5 Grab 4/23/93

Collected: 04/23/93 13:15
Started: 05/05/93
Analyzed: 05/05/93

TOC: 2.9 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-07

TOX: <5.0 ug/L

Detection limit: 5.0 ug/L

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-6 Grab 4/23/93

WORK ORDER #: 93-04-447-08

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	7.5 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	<20.0 mg/L
Chloride	EPA 325.2	04/27/93	04/27/93	3.9 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/29/93	04/30/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	0.12 mg/L
Nitrate, Nitrogen	EPA 353.1	05/01/93	05/11/93	<0.10 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	6.02 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	129 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	200 umhos/cm @ 25C
Sulfate	EPA 375.4	04/27/93	04/27/93	10.6 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/12/93	05/19/93	0.1 mg/L
Cadmium, Total	EPA 213.1	05/12/93	05/14/93	<0.005 mg/L
Chromium, Total	EPA 218.1	05/12/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/12/93	05/14/93	<0.01 mg/L
Iron, Total	EPA 236.1	05/12/93	05/19/93	3.3 mg/L
Lead, Total	EPA 239.1	05/12/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/12/93	05/17/93	0.50 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/12/93	05/19/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/12/93	05/18/93	0.033 mg/L

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-08
METHOD QUANTITATION LIMIT (MQL): See Below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-08

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

8240VOA.LIQ
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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-08

SAMPLE: MW-6 Grab 4/23/93

Collected: 04/23/93 12:00
Started: 05/05/93
Analyzed: 05/05/93

TOC: <1.0 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-08

TOX: <5.0 ug/L

Detection limit: 5.0 ug/L

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-7A Grab 4/23/93

WORK ORDER #: 93-04-447-10

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	3.9 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	<20.0 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	3.2 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/30/93	05/01/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	0.12 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	<0.10 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	6.21 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	420 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	151 umhos/cm @ 25C
Sulfate	EPA 375.4	04/29/93	04/29/93	<75.0 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/12/93	05/19/93	<0.1 mg/L
Cadmium, Total	EPA 213.1	05/12/93	05/14/93	0.008 mg/L
Chromium, Total	EPA 218.1	05/12/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/12/93	05/14/93	<0.01 mg/L
Iron, Total	EPA 236.1	05/12/93	05/19/93	1.4 mg/L
Lead, Total	EPA 239.1	05/12/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/12/93	05/17/93	0.02 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/12/93	05/19/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/12/93	05/18/93	<0.005 mg/L

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-10
METHOD QUANTITATION LIMIT (MQL): See Below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-10

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-10

SAMPLE: MW-7A Grab 4/23/93

Collected: 04/23/93 12:35
Started: 05/05/93
Analyzed: 05/05/93

TOC: <1.0 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-10

TOX: <5.0 ug/L

Detection limit: 5.0 ug/L

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-7B Grab 4/23/93

WORK ORDER #: 93-04-447-11

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	4.4 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	<20.0 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	5.5 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/30/93	05/01/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	<0.1 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	<0.10 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	5.67 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	152 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	87 umhos/cm @ 25C
Sulfate	EPA 375.4	04/29/93	04/29/93	<75.0 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/12/93	05/19/93	0.7 mg/L
Cadmium, Total	EPA 213.1	05/12/93	05/14/93	<0.005 mg/L
Chromium, Total	EPA 218.1	05/12/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/12/93	05/14/93	0.05 mg/L
Iron, Total	EPA 236.1	05/12/93	05/19/93	158 mg/L
Lead, Total	EPA 239.1	05/12/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/12/93	05/17/93	1.8 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/12/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/12/93	05/19/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/12/93	05/18/93	0.301 mg/L

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-11
METHOD QUANTITATION LIMIT (MQL): See Below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-11

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-11

SAMPLE: MW-7B Grab 4/23/93

Collected: 04/23/93 12:45
Started: 05/05/93
Analyzed: 05/05/93

TOC: 1.0 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-11

TOX: <5.0 ug/L

Detection limit: 5.0 ug/L

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PMN Aquatic Bioassay Evaluations

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-8A Grab 4/23/93

WORK ORDER #: 93-04-447-12

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	4.1 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	<20.0 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	3.6 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/30/93	05/01/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	<0.1 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	1.33 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	5.75 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	65.0 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	64 umhos/cm @ 25C
Sulfate	EPA 375.4	04/29/93	04/29/93	4.48 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/12/93	05/19/93	<0.1 mg/L
Cadmium, Total	EPA 213.1	05/12/93	05/14/93	<0.005 mg/L
Chromium, Total	EPA 218.1	05/12/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/12/93	05/14/93	<0.01 mg/L
Iron, Total	EPA 236.1	05/12/93	05/19/93	3.1 mg/L
Lead, Total	EPA 239.1	05/12/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/12/93	05/17/93	0.08 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/12/93	05/19/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/12/93	05/18/93	0.031 mg/L

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PMN Aquatic Bioassay Evaluations

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-12

SAMPLE: MW-8A Grab 4/23/93

Collected: 04/23/93 14:05
Started: 05/05/93
Analyzed: 05/05/93

TOC: <1.0 mg/L

Detection Limit: 1.0 mg/L

Burlington Research

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AATCC Testing Services • NPDES Testing • Reporting & Data Handling Services
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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-12

TOX: <5.0 ug/L

Detection limit: 5.0 ug/L

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Analytical Services • Aquatic Bioassay Testing • Aquatic Toxicity Reduction Evaluations
AATCC Testing Services • NPDES Testing • Reporting & Data Handling Services
PMN Aquatic Bioassay Evaluations

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-12
METHOD QUANTITATION LIMIT (MQL): See below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-12

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-8B Grab 4/23/93

WORK ORDER #: 93-04-447-13

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	3.8 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	27.9 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	2.9 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/30/93	05/01/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	<0.1 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	0.21 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	5.59 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	69 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	34 umhos/cm @ 25C
Sulfate	EPA 375.4	04/29/93	04/29/93	<37.5 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/12/93	05/19/93	0.8 mg/L
Cadmium, Total	EPA 213.1	05/12/93	05/14/93	<0.005 mg/L
Chromium, Total	EPA 218.1	05/12/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/12/93	05/14/93	<0.01 mg/L
Iron, Total	EPA 236.1	05/12/93	05/19/93	45.3 mg/L
Lead, Total	EPA 239.1	05/12/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/12/93	05/17/93	2.8 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	0.0003 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/12/93	05/19/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/12/93	05/18/93	0.214 mg/L

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-13
METHOD QUANTITATION LIMIT (MQL): See below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-13

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
+0	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-13

SAMPLE: MW-8B Grab 4/23/93

Collected: 04/23/93 14:15
Started: 05/05/93
Analyzed: 05/05/93

TOC: <1.0 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-13

TOX: <5.0 ug/L

Detection limit: 5.0 ug/L

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
MW-9 Grab 4/23/93

WORK ORDER #: 93-04-447-02

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	6.1 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	25.1 mg/L
Chloride	EPA 325.2	04/30/93	04/30/93	4.2 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/29/93	04/29/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	<0.1 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	1.91 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	5.63 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	267 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	66 umhos/cm @ 25C
Sulfate	EPA 375.4	04/29/93	04/29/93	<37.5 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/11/93	05/19/93	0.3 mg/L
Cadmium, Total	EPA 213.1	05/11/93	05/14/93	<0.005 mg/L
Chromium, Total	EPA 218.1	05/11/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/11/93	05/14/93	0.02 mg/L
Iron, Total	EPA 236.1	05/11/93	05/12/93	35.0 mg/L
Lead, Total	EPA 239.1	05/11/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/11/93	05/17/93	0.80 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/11/93	05/12/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/11/93	05/18/93	0.121 mg/L

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-02
METHOD QUANTITATION LIMIT (MQL): See below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-02

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-02

SAMPLE: MW-9 Grab 4/23/93

Collected: 04/23/93 09:50
Started: 05/05/93
Analyzed: 05/05/93

TOC: <1.0 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-02

TOX: ≤5.0 ug/L

Detection limit: 5.0 ug/L

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PMN Aquatic Bioassay Evaluations

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
Upstream Grab 4/23/93

WORK ORDER #: 93-04-447-09

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	3.6 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	<20.0 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	6.3 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/29/93	04/30/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	0.12 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	0.85 mg/L
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	6.78 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	70 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	95 umhos/cm @ 25C
Sulfate	EPA 375.4	04/27/93	04/27/93	5.22 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/12/93	05/19/93	<0.1 mg/L
Cadmium, Total	EPA 213.1	05/12/93	05/14/93	0.008 mg/L
Chromium, Total	EPA 218.1	05/12/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/12/93	05/14/93	<0.01 mg/L
Iron, Total	EPA 236.1	05/12/93	05/19/93	1.2 mg/L
Lead, Total	EPA 239.1	05/12/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/12/93	05/17/93	0.04 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	0.0005 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.009 mg/L
Silver, Total	EPA 272.1	05/12/93	05/19/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/12/93	05/18/93	<0.005 mg/L

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PMN Aquatic Bioassay Evaluations

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-09
METHOD QUANTITATION LIMIT (MQL): See Below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-09

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

8240VOA.LIQ
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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-09

SAMPLE: Upstream Grab 4/23/93

Collected: 04/23/93 12:30
Started: 05/05/93
Analyzed: 05/05/93

TOC: 2.6 mg/L

Detection Limit: 1.0 mg/L

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-09

TOX: <5.0 ug/L

Detection limit: 5.0 ug/L

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PMN Aquatic Bioassay Evaluations

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ANALYTICAL REPORT

CUSTOMER: ALAMANCE COUNTY LANDFILL
FACILITY: 124 West Elm Street
REPORT TO: Mr. Alvin Cagle

SAMPLE: April Well Monitoring
Downstream Grab 4/23/93

WORK ORDER #: 93-04-447-03

COLLECTED: 04/23/93
RECEIVED: 04/23/93
REPORTED: 05/21/93

PARAMETER	METHOD	STARTED	ANALYZED	RESULT
BOD, 5-Day	EPA 405.1	04/23/93	04/29/93	3.7 mg/L
Chemical Oxygen Demand	EPA 410.4	04/27/93	04/27/93	<20.0 mg/L
Chloride	EPA 325.2	04/28/93	04/28/93	5.7 mg/L
EPA 8240,Volatiles,Liquid	EPA8240/8260	04/29/93	04/29/93	Attached
Fluoride	EPA 340.2	04/30/93	04/30/93	<0.1 mg/L
Nitrate, Nitrogen	EPA 353.1	05/11/93	05/11/93	0.82
pH (Field Determination)	SM 16 423	04/23/93	04/23/93	6.45 SU
Solids, Total Dissolved	EPA 160.1	04/26/93	04/27/93	67 mg/L
Specific Conductance	EPA 120.1	04/23/93	04/23/93	98 umhos/cm @ 25C
Sulfate	EPA 375.4	04/27/93	04/27/93	4.8 mg/L
Total Organic Carbon, Liq.	EPA 415.1	05/05/93	05/05/93	Attached
Total Organic Halides,LIQ.	EPA 9020	04/30/93	04/30/93	Attached
Arsenic, Total by GF	EPA 206.2	05/14/93	05/18/93	<0.005 mg/L
Barium, Total	EPA 208.1	05/11/93	05/19/93	<0.1 mg/L
Cadmium, Total	EPA 213.1	05/11/93	05/14/93	<0.005 mg/L
Chromium, Total	EPA 218.1	05/11/93	05/14/93	<0.05 mg/L
Copper, Total	EPA 220.1	05/11/93	05/14/93	<0.01 mg/L
Iron, Total	EPA 236.1	05/11/93	05/12/93	1.0 mg/L
Lead, Total	EPA 239.1	05/11/93	05/18/93	<0.05 mg/L
Manganese, Total	EPA 243.1	05/11/93	05/17/93	0.04 mg/L
Mercury, Total	EPA 245.1	05/11/93	05/13/93	<0.0002 mg/L
Selenium, Total by GF	EPA 270.2	05/14/93	05/19/93	<0.005 mg/L
Silver, Total	EPA 272.1	05/11/93	05/12/93	<0.01 mg/L
Zinc, Total	EPA 289.1	05/11/93	05/18/93	<0.005 mg/L

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EPA 8240/8260 VOLATILE ORGANICS ANALYSIS BY GC/MS - LIQUIDS

WORK ORDER NUMBER(S): 93-04-447-03
METHOD QUANTITATION LIMIT (MQL): See below

##	ANALYTE	MQL	CONC. (ug/L)	##
1	ACETONE	100.0	*	1
2	ACROLEIN	10.0	*	2
3	ACRYLONITRILE	10.0	*	3
4	BENZENE	4.0	*	4
5	BROMOBENZENE	4.0	*	5
6	BROMOCHLOROMETHANE	4.0	*	6
7	BROMODICHLOROMETHANE	4.0	*	7
8	BROMOMETHANE	4.0	*	8
9	BUTANONE, 2- (MEK)	30.0	*	9
10	BUTENE, 1,4-DICHLORO-2-	100.0	*	10
11	BUTYLBENZENE, n-	4.0	*	11
12	BUTYLBENZENE, sec-	4.0	*	12
13	BUTYLBENZENE, tert-	4.0	*	13
14	CARBON DISULFIDE	20.0	*	14
15	CARBON TETRACHLORIDE	4.0	*	15
16	CHLOROBENZENE	4.0	*	16
17	CHLOROETHANE	4.0	*	17
18	CHLOROETHYLVINYL ETHER, 2-	4.0	*	18
19	CHLOROMETHANE	4.0	*	19
20	CHLOROTOLUENE, 2-	4.0	*	20
21	CHLOROTOLUENE, 4-	4.0	*	21
22	DIBROMOCHLOROMETHANE	4.0	*	22
23	DIBROMOETHANE, 1,2- (EDB)	4.0	*	23
24	DIBROMOMETHANE	4.0	*	24
25	DICHLOROBENZENE, 1,2-	4.0	*	25
26	DICHLOROBENZENE, 1,3-	4.0	*	26
27	DICHLOROBENZENE, 1,4-	4.0	*	27
28	DICHLORODIFLUOROMETHANE	100.0	*	28
29	DICHLOROETHANE, 1,1-	4.0	*	29
30	DICHLOROETHANE, 1,2-	4.0	*	30
31	DICHLOROETHENE, 1,1-	4.0	*	31
32	DICHLOROETHENE, cis-1,2-	4.0	*	32
33	DICHLOROETHENE, trans-1,2-	4.0	*	33
34	DICHLOROMETHANE(METHYLENE CHLORIDE)	4.0	*	34
35	DICHLOROPROPANE, 1,2-	4.0	*	35
36	DICHLOROPROPANE, 1,3-	4.0	*	36
37	DICHLOROPROPANE, 2,2-	4.0	*	37
38	DICHLOROPROPENE, 1,1-	4.0	*	38
39	DICHLOROPROPENE, cis-1,3-	4.0	*	39
40	DICHLOROPROPENE, trans-1,3-	4.0	*	40
41	ETHYLBENZENE	4.0	*	41
42	HEXACHLOROBUTADIENE	4.0	*	42

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WORK ORDER NUMBER(S): 93-04-447-03

##	ANALYTE	MQL	CONC. (ug/L)	##
43	HEXANONE, 2- (MBK)	20.0	*	43
44	IODOMETHANE	4.0	*	44
45	ISOPROPYLBENZENE (CUMENE)	4.0	*	45
46	ISOPROPYLTOLUENE, para-	4.0	*	46
47	NAPHTHALENE	4.0	*	47
48	PENTANONE, 4-METHYL-2- (MIBK)	20.0	*	48
49	PROPANE, 1,2-DIBROMO-3-CHLORO- (DBCP)	4.0	*	49
50	PROPYLBENZENE, n-	4.0	*	50
51	STYRENE	10.0	*	51
52	TETRACHLOROETHANE, 1,1,1,2-	4.0	*	52
53	TETRACHLOROETHANE, 1,1,2,2-	4.0	*	53
54	TETRACHLOROETHENE	4.0	*	54
55	TOLUENE	4.0	*	55
56	TRIBROMOMETHANE (BROMOFORM)	4.0	*	56
57	TRICHLOROBENZENE, 1,2,3-	4.0	*	57
58	TRICHLOROBENZENE, 1,2,4-	4.0	*	58
59	TRICHLOROETHANE, 1,1,1-	4.0	*	59
60	TRICHLOROETHANE, 1,1,2-	4.0	*	60
61	TRICHLOROETHENE	4.0	*	61
62	TRICHLOROFLUOROMETHANE	4.0	*	62
63	TRICHLOROMETHANE (CHLOROFORM)	4.0	*	63
64	TRICHLOROPROPANE, 1,2,3-	4.0	*	64
65	TRIMETHYLBENZENE, 1,2,4-	4.0	*	65
66	TRIMETHYLBENZENE, 1,3,5-	4.0	*	66
67	VINYL ACETATE	30.0	*	67
68	VINYL CHLORIDE	4.0	*	68
69	XYLENES (TOTAL)	4.0	*	69

*BELOW QUANTITATION LIMITS EXCEPT WHERE NOTED

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TOTAL ORGANIC CARBON

WORK ORDER #: 93-04-447-03

SAMPLE: Downstream Grab 4/23/93

Collected: 04/23/93 11:05
Started: 05/05/93
Analyzed: 05/05/93

TOC: 2.0 mg/L

Detection Limit: 1.0 mg/L

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PMN Aquatic Bioassay Evaluations

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TOTAL ORGANIC HALIDES

WORK ORDER #: 93-04-447-03

TOX: <5.0 ug/L

Detection limit: 5.0 ug/L

Burlington Research
• 615 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5584
• Fax (919) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: Alamance Co. Landfill

CONTACT PERSON: Mr. Allen Cagle

Facility/Site: Alamance County

Phone Number: (919) 578-2769

Sampler: (Print) Jeff Davis (Signature) Jeff Davis

Purchase Order #:

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
Monitoring Well # 2		1020 04/23/93			✓	11	Ag, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl, Fl, NO3, SO4, TDS, BOD, COD, TOC, TOX, 8240/8260, pH-FC, SPCNDF, Bacter			
MW # 3		1100 04/23/93			✓	11	Ag, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl, Fl, NO3, SO4, TDS, BOD, COD, TOC, TOX, 8240/8260, pH-FC, SPCNDF, Bacter			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment:			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received for Lab BY: (Signature)	Date:	Time:
Jeff Davis	W. [illegible]	04/23/93	1500
Method of Shipment: BRT		Sample Integrity Comment:	

Burlington Research
• 615 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5564
• Fax (919) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: Alamance County Landfill

CONTACT PERSON: Mr. Austin Cagle

Facility/Site: Alamance County

Phone Number: (919) 578-2769

Sampler: (Print) Jeff Davis (Signature) Jeff Davis

Purchase Order #:

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
Downstream		1105 4/22/93			✓	11	Ag, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl, F, NO3, SO4, TDS, BOD, COD, TOC, TOX, 8240/8260, pH-FC, SPCNDF			
Monitoring Well #4		1125 4/22/93			✓	11	Ag, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl, F, NO3, SO4, BOD, COD, TDS, TOC, TOX, 8240/8260, pH-FC, SPCNDF, Battle			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment:			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received for Lab BY: (Signature)	Date:	Time:
Jeff Davis	W	04/23/93	1500
Method of Shipment: BRI		Sample Integrity Comment:	

Burlington Research
• 615 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5564
• Fax (919) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: Alamance County Landfill

CONTACT PERSON: Mr. Allen Cogle

Facility/Site: Alamance County

Phone Number: (919) 578-2764

Sampler: (Print) Jeff Davis (Signature) Jeff Davis

Purchase Order #:

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
Monitoring Well # 5		~~1200~~ 1215 04/22/93			✓	11	Ag, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl,			
							Fl, NO_3, SO_4, BOD, COD, TDS, TOC, TOX, 8240/8260,			
							pH-FO, SPCNDF, Barium			
MW # 6		1200 04/22/93			✓	11	Ag, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn,			
							Cl, Fl, NO_3, SO_4, BOD, COD, TDS, TOC, TOX, 8240/8260,			
							pH-FO, SPCNDF, Barium			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment:			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received for Lab BY: (Signature)	Date:	Time:
Jeff Davis	W. [illegible]	04/22/93	1500
Method of Shipment: BRI		Sample Integrity Comment:	

Burlington Research
• 615 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5584
• Fax (919) 584-5584, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: Alamance County Landfill

CONTACT PERSON: Mr. Alan Cagle

Facility/Site: Alamance County

Phone Number: (919) 578-2769

Sampler: (Print) Jeff Davis (Signature) Jeff Davis

Purchase Order #:

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
UPSTREAM		1236 04/22/93			✓	11	Ag, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl, Fl, NO_3, SO_4, BOD, COD, TDS, TOC, TOX, 8240/8260, pH-FO, SPCNDF			
MONITORING WELL # 7A		1235 04/22/93			✓	11	Ag, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl, Fl, NO_3, SO_4, BOD, COD, TDS, TOC, TOX, 8240/8260, pH-FO, SPCNDF, Barium			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment:			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received for Lab BY: (Signature)	Date:	Time:
Jeff Davis	W. [illegible]	04/22/93	1500
Method of Shipment: BRI		Sample Integrity Comment:	

Burlington Research
• 615 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5564
• Fax (919) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: Alamance County Landfill

CONTACT PERSON: Mr. Austin Cagle

Facility/Site: Alamance County

Phone Number: (919) 578-2769

Sampler: (Print) Jeff Davis (Signature) Jeff Davis

Purchase Order #:

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
Monitoring Well # 7B		1245 04/23/93			✓	11	As, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl, Fl, NO_3, SO_4, BOD, COD, TDS, TOC, TOX, 8240/8260 pH-FC, SPCUDF, Bailer			
Monitoring Well # 8A		1405 04/23/93			✓	11	As, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl, Fl, NO_3, SO_4, BOD, COD, TDS, TOC, TOX, 8240/8260 pH-FC, SPCUDF, Bailer			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment:			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received for Lab BY: (Signature)	Date:	Time:
Jeff Davis	[illegible]	04/23/93	1500
Method of Shipment: BRI		Sample Integrity Comment:	

Burlington Research
• 815 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5564
• Fax (919) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: Alamance County Landfill

CONTACT PERSON: Mr. Austin Cagle

Facility/Site: Alamance County

Phone Number: (919) 578-2769

Sampler: (Print) Jeff Davis (Signature) Jeff Davis

Purchase Order #:

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
Monitoring Well # 8B		1415 04/23/93			✓	11	As, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl, Fl, SO_4, BOD, COD, TDS, TOC, TOX, 8240/8260C, NO_3, pH, FC, SPCONDF, Bailer, Mileage, Sampler			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment:			

FOR LAB USE ONLY

Received in Lab FROM: (Signature) Jeff Davis	Received for Lab BY: (Signature) W. Allen	Date: 04/23/93	Time: 1500
Method of Shipment: BRI		Sample Integrity Comment:	

Burlington Research
• 615 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5564
• Fax (919) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: ALAMANCE COUNTY LANDFILL

CONTACT PERSON: MR. ALVIN CAGLE

Facility/Site: ALAMANCE COUNTY

Phone Number: (919) 578-2769

Sampler: (Print) JEFF DAVIS (Signature) Jeff Davis

Purchase Order #:

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
MONITORING WELL #1		0980 4/22/93			✓	11	Ag, Ba, Cd, Cr, Cu, Fe, Pb, Hg, Se, GF, Mn, Zn, As, Cl, Fl, NO_3, SO_4, TDS, BOD, COD, TOC, TOX, pH-FO, SPCNDF, BORON, 8240/8260			
MW #9		0950 4/22/93			✓	11	Ag, As-GF, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se-GF, Zn, Cl, Fl, NO_3, SO_4, TDS, BOD, COD, TOC, TOX, 8240/8260, pH-FO, SPCNDF, BORON			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment:			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received for Lab BY: (Signature)	Date:	Time:
Jeff Davis	W	4/23/93	1500
Method of Shipment: RRT		Sample Integrity Comment:	

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 1

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 33 feet - inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 1

Was the well locked upon arrival? X Yes ___ No

Any unusual conditions in the area? ___ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 33 feet - inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 1

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 22 feet 4 inches

Actual Water Volume in Well: 1.7 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 5.1 Gallons

Time Purge Began: 0900 (Military Clock) Time Purge Completed: 0911 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 0925 Date: 04/23/93

Time Sampling Ended: 0930 Date: 04/23/93

Total Time Between Purge and Sampling: 23 hrs. 41 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	16	N/A
pH (SU)	5.04	7.00/4.00
Specific Cond. (umhos)	108	141

Well ID #: 1

Sample Appearance: _____ Clear X Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H2SO4	1
TOX	Glass	250 ml	H2SO4	2
Metals	Plastic	1 Liter	HNO3	1
COD	Plastic	60 ml	H2SO4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Raod City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 2

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 30 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 2

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 22 feet 0 inches

Actual Water Volume in Well: 1.3 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 4 Gallons

Time Purge Began: 1010 (Military Clock) Time Purge Completed: 1014 (Military Clock)

Did the well go dry?: X Yes _____ No @ 1.5 gals

6. Well Sampling Data:

Time Sampling Began: 1015 Date: 04/23/93

Time Sampling Ended: 1020 Date: 04/23/93

Total Time Between Purge and Sampling: 24 hrs. 6 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	16	N/A
pH (SU)	5.74	7.00/4.00
Specific Cond. (umhos)	109	141

Well ID #: 2

Sample Appearance: _____ Clear X Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H2SO4	1
TOX	Glass	250 ml	H2SO4	2
Metals	Plastic	1 Liter	HNO3	1
COD	Plastic	60 ml	H2SO4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature Jeff Dan Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 3

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 24 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 3

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 7 feet 1 inches

Actual Water Volume in Well: 2.8 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 8.4 Gallons

Time Purge Began: 1045 (Military Clock) Time Purge Completed: 1058 (Military Clock)

Did the well go dry?: _____ Yes X No ~~@ 1.5 gals~~

6. Well Sampling Data:

Time Sampling Began: 1055 Date: 04/23/93

Time Sampling Ended: 1100 Date: 04/23/93

Total Time Between Purge and Sampling: 24 hrs. 2 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	12	N/A
pH (SU)	5.70	7.00/4.00
Specific Cond. (umhos)	93	141

Well ID #: 3

Sample Appearance: X Clear _____ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H2SO4	1
TOX	Glass	250 ml	H2SO4	2
Metals	Plastic	1 Liter	HNO3	1
COD	Plastic	60 ml	H2SO4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature Jeff Davis Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 4

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 50 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: 40 feet to 50 feet Gravel Interval: 38 feet to 50 feet

Calculated Water Volume in Well: - Gallons

Well ID #: 4

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 32 feet 1 inches

Actual Water Volume in Well: 3.2 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 9.6 Gallons

Time Purge Began: 1123 (Military Clock) Time Purge Completed: 1140 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 1130 Date: 04/23/93

Time Sampling Ended: 1135 Date: 04/23/93

Total Time Between Purge and Sampling: 23 hrs. 55 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	15	N/A
pH (SU)	5.88	7.00/4.00
Specific Cond. (umhos)	710	141

Well ID #: 4

Sample Appearance: _____ Clear X Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H2SO4	1
TOX	Glass	250 ml	H2SO4	2
Metals	Plastic	1 Liter	HNO3	1
COD	Plastic	60 ml	H2SO4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature Jeff Dan Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 5

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 19 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 5

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 13 feet 2 inches

Actual Water Volume in Well: 1 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 3 Gallons

Time Purge Began: 1245 (Military Clock) Time Purge Completed: 1249 (Military Clock)

Did the well go dry?: X Yes _____ No @ 1.5 gals

6. Well Sampling Data:

Time Sampling Began: 1310 Date: 04/23/93

Time Sampling Ended: 1315 Date: 04/23/93

Total Time Between Purge and Sampling: 24 hrs. 26 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	15	N/A
pH (SU)	5.72	7.00/4.00
Specific Cond. (umhos)	146	141

Well ID #: 5

Sample Appearance: _____ Clear ___X___ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H2SO4	1
TOX	Glass	250 ml	H2SO4	2
Metals	Plastic	1 Liter	HNO3	1
COD	Plastic	60 ml	H2SO4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? ___X___ Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature Jeff Davis Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 6

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 53 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 6

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 20 feet 3 inches

Actual Water Volume in Well: 5.7 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 17.1 Gallons

Time Purge Began: 1155 (Military Clock) Time Purge Completed: 1223 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 1155 Date: 04/23/93

Time Sampling Ended: 1200 Date: 04/23/93

Total Time Between Purge and Sampling: 23 hrs. 37 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	15	N/A
pH (SU)	6.02	7.00/4.00
Specific Cond. (umhos)	200	141

Well ID #: 6

Sample Appearance: X Clear _____ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H_2SO_4	1
TOX	Glass	250 ml	H_2SO_4	2
Metals	Plastic	1 Liter	HNO_3	1
COD	Plastic	60 ml	H_2SO_4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

Well ID #: 7A

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 22 feet - inches

Actual Water Volume in Well: 7.0 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 21 Gallons

Time Purge Began: 1312 (Military Clock) Time Purge Completed: 1345 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 1130 Date: 04/23/93

Time Sampling Ended: 1135 Date: 04/23/93

Total Time Between Purge and Sampling: 21 hrs. 50 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	16	N/A
pH (SU)	6.21	7.00/4.00
Specific Cond. (umhos)	151	141

Well ID #: 7A

Sample Appearance: X Clear _____ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H2SO4	1
TOX	Glass	250 ml	H2SO4	2
Metals	Plastic	1 Liter	HNO3	1
COD	Plastic	60 ml	H2SO4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature Jeff Davis Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 7B

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 31 feet 6 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 7B

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 18 feet 6 inches

Actual Water Volume in Well: 2.1 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 5 Gallons

Time Purge Began: 1315 (Military Clock) Time Purge Completed: 1325 (Military Clock)

Did the well go dry?: X Yes _____ No @ 5 gals

6. Well Sampling Data:

Time Sampling Began: 1240 Date: 04/23/93

Time Sampling Ended: 1245 Date: 04/23/93

Total Time Between Purge and Sampling: 23 hrs. 20 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	15	N/A
pH (SU)	5.67	7.00/4.00
Specific Cond. (umhos)	87	141

Well ID #: 7B

Sample Appearance: _____ Clear ___X___ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H2SO4	1
TOX	Glass	250 ml	H2SO4	2
Metals	Plastic	1 Liter	HNO3	1
COD	Plastic	60 ml	H2SO4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? ___X___ Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Raod City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 8A

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 65 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 8A

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 19 feet 4 inches

Actual Water Volume in Well: 7.8 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 23.4 Gallons

Time Purge Began: 1435 (Military Clock) Time Purge Completed: 1515 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 1400 Date: 04/23/93

Time Sampling Ended: 1405 Date: 04/23/93

Total Time Between Purge and Sampling: 22 hrs. 50 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	16	N/A
pH (SU)	5.75	7.00/4.00
Specific Cond. (umhos)	64	141

Well ID #: 8A

Sample Appearance: X Clear _____ Sediment _____ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H2SO4	1
TOX	Glass	250 ml	H2SO4	2
Metals	Plastic	1 Liter	HNO3	1
COD	Plastic	60 ml	H2SO4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature [signature] Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Road City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 8B

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 26 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: - feet to - feet Gravel Interval: - feet to - feet

Calculated Water Volume in Well: - Gallons

Well ID #: 88

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 18 feet 6 inches

Actual Water Volume in Well: 1.5 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 4.5 Gallons

Time Purge Began: 1430 (Military Clock) Time Purge Completed: 1440 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 1410 Date: 04/23/93

Time Sampling Ended: 1415 Date: 04/23/93

Total Time Between Purge and Sampling: 23 hrs. 25 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	15	N/A
pH (SU)	5.59	7.00/4.00
Specific Cond. (umhos)	34	141

Well ID #: 8B

Sample Appearance: _____ Clear _____ Sediment ___X___ Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H2SO4	1
TOX	Glass	250 ml	H2SO4	2
Metals	Plastic	1 Liter	HNO3	1
COD	Plastic	60 ml	H2SO4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? ___X___ Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature _____ Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

GROUNDWATER FIELD SAMPLING DATA SHEET

1. Client Information:

Client Name: Alamance County Landfill WO#: 93-04-447

Client Address: Alfred Raod City: Swepsonville

County: Alamance State: NC

Permit Number: 0101

2. Weather Conditions:

Ambient Temperature: 12 (Degrees C)

X Clear ____ Cloudy ____ Calm X Windy ____ Rain

____ Sleet ____ Snow

3. Field Observations:

Well ID #: 9

Was the well locked upon arrival? X Yes ____ No

Any unusual conditions in the area? ____ Yes X No

If "Yes" explain: _____

_____

4. Well Data (All information can be found on the drillers information tag on the well casing).

Casing Diameter (ID): 2 inches Total Well Depth: 27 feet 0 inches

Static Water Level: - feet - inches

Calculated Height of Water Column: - feet - inches
(Total Well Depth minus Static Water Level).

Screen Interval: 17 feet to 27 feet Gravel Interval: 15 feet to 27 feet

Calculated Water Volume in Well: - Gallons

Well ID #: 9

Surveyed Well Elevation (MSL): _____ feet

Static Well Elevation (MSL): _____ feet

5. Measured Well Data:

Measured Water Level: 12 feet 6 inches

Actual Water Volume in Well: 2.4 Gallons

Number of Well Volumes Purged: 3 (3 to 5)

Volume Purged Prior to Sampling: 7.2 Gallons

Time Purge Began: 0933 (Military Clock) Time Purge Completed: 0945 (Military Clock)

Did the well go dry?: _____ Yes X No

6. Well Sampling Data:

Time Sampling Began: 0945 Date: 04/23/93

Time Sampling Ended: 0950 Date: 04/23/93

Total Time Between Purge and Sampling: 24 hrs. 5 minutes

7. Field Analyses:

PARAMETER	SAMPLE READING	STANDARD READING
Temperature (C)	14	N/A
pH (SU)	5.63	7.00/4.00
Specific Cond. (umhos)	66	141

Well ID #: 9

Sample Appearance: _____ Clear _____ Sediment X Turbid

TEST PARAMETER	BOTTLE TYPE	SIZE	PRES.	NUMBER COLLECTED
TOC	Glass	250 ml	H2SO4	1
TOX	Glass	250 ml	H2SO4	2
Metals	Plastic	1 Liter	HNO3	1
COD	Plastic	60 ml	H2SO4	1
8240/8260	Glass	40 ml	None	3
Nitrate	Plastic	250 ml	None	1
Chloride, Flouride	Plastic	500 ml	None	1
BOD,TDS,Sulfate	Plastic	1 Liter	None	1

Well secured with lock after sampling? X Yes _____ No

If No, explain _____

I, the undersigned, hereby certify that all of the above information is accurate.

Signature Jeff Dan Date 04/26/93

NOTE: Certain information (such as mean sea level heights) cannot be filled in on this form unless provided to BRI personnel by the client.

Aqua Tech Environmental Laboratories, Inc.

Melmore Laboratory
P.O. Box 76
Melmore, Ohio 44845

Telephone: (419) 397-2659

Client: BURLINGTON RESEARCH
Sample Type: WATER
Date Recieved: 04/27/93
Date Extracted: 04/30/93
Date Analyzed: 04/30/93

Method: SW-846; 9020
Percent Solids:
Analyst: DRA
Project No.:
Units: ug/l (ppb)

Total Organic Halogen (TOX) Analysis

ATEL Sample No.	Client Description	Concentration
93-07007-MEL	93-04-447-01	14.0
93-07008-MEL	93-04-447-02	< 5.0
93-07009-MEL	93-04-447-03	< 5.0
93-07010-MEL	93-04-447-04	276
93-07011-MEL	93-04-447-05	< 5.0
93-07012-MEL	93-04-447-06	< 5.0
93-07013-MEL	93-04-447-07	< 5.0
93-07014-MEL	93-04-447-08	< 5.0
93-07015-MEL	93-04-447-09	< 5.0
93-07016-MEL	93-04-447-10	< 5.0
93-07017-MEL	93-04-447-11	< 5.0
93-07018-MEL	93-04-447-12	< 5.0
93-07019-MEL	93-04-447-13	< 5.0

AQUA TECH ENVIRONMENTAL LABORATORIES, INC.

P.O. BOX 76
MELMORE, OHIO 44845
(419) 397-2659

CLIENT: BURLINGTON RESEARCH

ADDRESS: ATTN: DAVID CHANG
PO BOX 2481
BURLINGTON ,NC 27215

PROJECT NO.: 6501

DATE OF INITIAL RECEIPT AT LABORATORY: 04/27/93

PURCHASE ORDER:

COMMENTS:

SAMPLE INVENTORY

ATEL NO.	CLIENT NO.	METHOD (S)
93-07007-MEL	93-04-447-01	SW-846; 9020
93-07008-MEL	93-04-447-02	SW-846; 9020
93-07009-MEL	93-04-447-03	SW-846; 9020
93-07010-MEL	93-04-447-04	SW-846; 9020
93-07011-MEL	93-04-447-05	SW-846; 9020
93-07012-MEL	93-04-447-06	SW-846; 9020
93-07013-MEL	93-04-447-07	SW-846; 9020
93-07014-MEL	93-04-447-08	SW-846; 9020
93-07015-MEL	93-04-447-09	SW-846; 9020
93-07016-MEL	93-04-447-10	SW-846; 9020
93-07017-MEL	93-04-447-11	SW-846; 9020
93-07018-MEL	93-04-447-12	SW-846; 9020
93-07019-MEL	93-04-447-13	SW-846; 9020

AUTHORIZED SIGNATURE: Walter E. Boyer

TITLE: ORGANIC SECTION CHIEF
DATE RELEASED: MAY 5 1993

ATEL
Aqua Tech Environmental Laboratories Inc.

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-01 MW-1
Date Collected: 04/23/93

Lab #: 10-93-109012

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109012						
TOTAL ORGANIC CARBON (TOC)	2.3	MG/L	SRT	415.2/9060	05/05/93	05000078

181 S. MAIN ST. • P.O. BOX 436 • MARION, OH 43301-0436
PHONE 614-382-5991 • 1-800-703-5991 • FAX 614-382-1420

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-05
Date Collected: 04/23/93 MW-2

Lab #: 10-93-109016

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109016						
TOTAL ORGANIC CARBON (TOC)	< 1.0	MG/L	SRT	415.2/9060	05/05/93	05000078

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-06 MW-3
Date Collected: 04/23/93

Lab #: 10-93-109017

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109017						
TOTAL ORGANIC CARBON (TOC)	2.5	MG/L	SRT	415.2/9060	05/05/93	05000078

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-04 MW-4
Date Collected: 04/23/93

Lab #: 10-93-109015

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109015						
TOTAL ORGANIC CARBON (TOC)	5.2	MG/L	SRT	415.2/9060	05/05/93	05000078

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-07 MW-5
Date Collected: 04/23/93

Lab #: 10-93-109018

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109018						
TOTAL ORGANIC CARBON (TOC)	2.9	MG/L	SRT	415.2/9060	05/05/93	05000078

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-07
Date Collected: 04/23/93

MW-5

Lab #: 10-93-109018

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109018						
TOTAL ORGANIC CARBON (TOC)	2.9	MG/L	SRT	415.2/9060	05/05/93	0500007B

2.9

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-08
Date Collected: 04/23/93

mw-6

Lab #: 10-93-109019

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109019						
TOTAL ORGANIC CARBON (TOC)	< 1.0	MG/L	SRT	415.2/9060	05/05/93	05000078

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-10
Date Collected: 04/23/93

MW-7A

Lab #: 10-93-109021

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey R. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109021						
TOTAL ORGANIC CARBON (TOC)	< 1.0	MG/L	SRT	415.2/9060	05/05/93	05000078

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-11
Date Collected: 04/23/93

MW-7B

Lab #: 10-93-109022

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109022						
TOTAL ORGANIC CARBON (TOC)	1.0	MG/L	SRT	415.2/9060	05/05/93	0500007A

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-12 MW-8A
Date Collected: 04/23/93

Lab #: 10-93-109023

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey R. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109023						
TOTAL ORGANIC CARBON (TOC)	< 1.0	MG/L	SRT	415.2/9060	05/05/93	05000078

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-13
Date Collected: 04/23/93

MW-8B

Lab #: 10-93-109024

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109024						
TOTAL ORGANIC CARBON (TOC)	< 1.0	MG/L	SRT	415.2/9060	05/05/93	05000078

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-02 MW-9
Date Collected: 04/23/93

Lab #: 10-93-109013

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109013						
TOTAL ORGANIC CARBON (TOC)	< 1.0	MG/L	SRT	415.2/9060	05/05/93	05000078

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-09
Date Collected: 04/23/93

US

Lab #: 10-93-109020

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109020						
TOTAL ORGANIC CARBON (TOC)	2.6	MG/L	SRT	415.2/9060	05/05/93	05000078

2.6

PARTIAL REPORT

Client: BURLINGTON RESEARCH

Sample ID: 93-04-447-09 US
Date Collected: 04/23/93

Lab #: 10-93-109020

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey A. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109020						
TOTAL ORGANIC CARBON (TOC)	2.6	MG/L	SRT	415.2/9060	05/05/93	05000078

PARTIAL REPORT

Client: BURLINGTON RESEARCH

DS

Sample ID: 93-04-447-03
Date Collected: 04/23/93

Lab #: 10-93-109014

NOTE: This report contains data which have passed our first level of data validation. All results should be classified as "Preliminary, Subject to Revision".

Jeffrey R. Smith
Laboratory Manager
Date Printed: 05/05/93

Analysis	Result	Units	Analyst	EPA Method No.	Date of Analysis	Run Number
10-93-109014						
TOTAL ORGANIC CARBON (TOC)	2.0	MG/L	SRT	415.2/9060	05/05/93	U5000078

Burlington Research
• 615 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5564
• Fax (919) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: BRI

Facility/Site

Sampler: (Print) J. DAVIS (Signature)

CONTACT PERSON: DAVID CHANG

Phone Number: (919) 584-5564

Purchase Order #: 6501

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
93-04-447-01		0930 4/23/93			✓	2	TOTAL ORGANIC HALIDES - LIQUID			
-02		0950 4/23/93			✓	2	"			
-03		1105 4/23/93			✓	2	"			
-04		1135 4/23/93			✓	2	"			
-05		1020 4/23/93			✓	2	"			
-06		1160 4/23/93			✓	2	"			
-07		1315 4/23/93			✓	2	"			
-08		1200 4/23/93			✓	2	"			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature) W. [illegible]	Received by: (Signature) W. [illegible]	Date: 4/26/93	Time: 1600
Method of Shipment: UPS NEXT DAY			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received for Lab BY: (Signature)	Date:	Time:
Method of Shipment:		Sample Integrity Comment:	

Burlington Research
• 615 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5564
• Fax (919) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: BRI

CONTACT PERSON: DAVID CHANG

Facility/Site

Phone Number: (919) 584-5564

Sampler: (Print) J. DAVIS (Signature)

Purchase Order #: 6501

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
93-04-447-09		1230 4/23/93			✓	2	TOTAL ORGANIC HALIDES - LIQUID			
-10		1235 4/23/93			✓	2	"			
-11		1245 4/23/93			✓	2	"			
-12		1405 4/23/93			✓	2	"			
-13		1415 4/23/93			✓	2	"			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Shipped by: (Signature)	Received by: (Signature)	Date: 4/26/93	Time: 1600
Method of Shipment: UPS NEXT DAY			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received for Lab BY: (Signature)	Date:	Time:
Method of Shipment:		Sample Integrity Comment:	

Burlington Research
• 615 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5564
• Fax (919) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: BRI

Facility/Site

Sampler: (Print) J. DAVIS (Signature)

CONTACT PERSON: DAVID CHANG

Phone Number: (919) 584-5564

Purchase Order #: 6500

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
93-04-447-01		0930 4/23/93			✓	1	TOTAL ORGANIC CARBON - LIQUID			
-02		0950 4/23/93			✓	1	"			
-03		1105 4/23/93			✓	1	"			
-04		1135 4/23/93			✓	1	"			
-05		1020 4/23/93			✓	1	"			
-06		1100 4/23/93			✓	1	"			
-07		1315 4/23/93			✓	1	"			
-08		1200 4/23/93			✓	1	"			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Rebecca Garrett	4/27/93	1140
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment: ATEL PICK-UP			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received for Lab BY: (Signature)	Date:	Time:
Method of Shipment:		Sample Integrity Comment:	

Burlington Research
• 815 Huffman Mill Road
• Burlington, NC 27215
• (919) 584-5564
• Fax (919) 584-5564, Ext. 202

CHAIN OF CUSTODY RECORD

CLIENT: BRI

CONTACT PERSON: DAVID CHANG

Facility/Site

Phone Number: (919) 584-5564

Sampler: (Print) J. DAVIS (Signature)

Purchase Order #: 6500

SAMPLE ID	SAMPLE COLLECTION		SAMPLE TYPE			NO. OF CONTAINERS SENT	ANALYSES REQUIRED	FOR LAB USE ONLY		
			COMPOSITE		GRAB					
	DATE TIME STARTED	DATE TIME ENDED	HAND	AUTO				SAMPLE INTEGRITY	TEMPERATURE (4°C)	PRESERVATION
93-04-447-09		1230 4/23/93			✓	1	TOTAL ORGANIC CARBON - LIQUID			
-10		1235 4/23/93			✓	1	"			
-11		1245 4/23/93			✓	1	"			
-12		1405 4/23/93			✓	1	"			
-13		1415 4/23/93			✓	1	"			
93-04-462-05		4/22/93			✓	1	"			
-06		4/22/93			✓	1	"			

FOR CLIENT USE:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
W. Oth	Rebecca Garrett	4/27/93	1140
Shipped by: (Signature)	Received by: (Signature)	Date:	Time:
Method of Shipment: ATCL PICK-UP			

FOR LAB USE ONLY

Received in Lab FROM: (Signature)	Received for Lab BY: (Signature)	Date:	Time:
Method of Shipment:		Sample Integrity Comment:	