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Fac/Permit/Co ID #	Date	Doc ID#
Bc	7/2/09	DIN

SOLID WASTE SECTION
MAY 10 1993

County of Bladen
State of North Carolina
Elizabethtown, North Carolina 28337

May 6, 1993

Mr. Bobby Lutfy
Division of Solid Waste Management
PO Box 27687
Raleigh, NC 27611-7687

Dear Mr. Lutfy,

Per your instructions, Bladen County Solid Waste is submitting the enclosed Well data information performed by Chemical & Environmental on May 3, 1993.

If additional information is needed, please contact me at ~~(919)~~ 862-6996.
910

Sincerely,

Tim Kinlaw
Operations Director

TK/tb

Enclosure

CC: Ikie Guyton

862-4797

OA-01
4-27-94

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
PRESIDENT

P. O. BOX 12298
RESEARCH TRIANGLE PARK, N. C. 27709
PHONE (919) 467-3090
FAX (919) 467-3515

FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85661 SAMPLE ID- MW1
DATE SAMPLED- 04/27/94
DATE RECEIVED- 04/27/94 SAMPLER- MILTON HOBGOOD
TIME RECEIVED- 1700 DELIVERED BY- MILTON HOBGOOD

SAMPLE MATRIX- GW
TIME SAMPLED- 1345
RECEIVED BY- LAE

PROJECT NAME : LANDFILL

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	4	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/28/94	PLH	3	mg/L	1
CHEMICAL OXYGEN DEMAND	EPA 410.4			05/02/94	JTC	<10	mg/L	10
	EPA340.2			~~05/02/94~~	~~JTC~~	~~0.1~~	~~mg/L~~	~~0.1~~
FLUORIDE	EPA354.1			05/18/94	JTC	6.0	mg/L	0.1
NITRATE	EPA150.1			04/27/94	MH	6.3	std units	N/A
pH IN FIELD	EPA160.1			04/29/94	PLH	76	mg/L	1
TOTAL DISSOLVED SOLIDS	EPA120.1			05/20/94	THL	215	umhos	0.1
SPECIFIC CONDUCTIVITY	EPA375.3			05/03/94	JTC	4	mg/L	1
SULFATE				04/27/94	MH	36.1	ft	N/A
DEPTH TO WATER TABLE	EPA 415.2			05/04/94	ALT	4.6	mg/L	0.1
TOTAL ORGANIC CARBON	9020			05/07/94	SMO	33.0	ug/L	5.0
TOTAL ORGANIC HALIDES								
VOLATILE ORGANICS	8260			05/05/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0

AMERICAN COUNCIL OF INDEPENDENT LABORATORIES, INC.

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FAX (919) 467-3515

 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85661

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
tert-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260					< 5.0	ug/L	5.0
CHLOROBENZENE	8260					< 5.0	ug/L	5.0
CHLOROETHANE	8260					< 10.0	ug/L	10.0
CHLOROFORM	8260					< 5.0	ug/L	5.0
CHLOROMETHANE	8260					< 10.0	ug/L	10.0
2-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
4-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260					< 5.0	ug/L	5.0
DIBROMOMETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260					< 5.0	ug/L	5.0
cis-1,2-DICHLORETHENE	8260					< 5.0	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
ETHYLBENZENE	8260					< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260					< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260					< 5.0	ug/L	5.0

CTE

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
PRESIDENT

P. O. BOX 12298
RESEARCH TRIANGLE PARK, N. C. 27709
PHONE (919) 467-3090
FAX (919) 467-3515

PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85661

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
p-ISOPROPYLTOLUENE	8260					< 5.0	ug/L	5.0
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2,4-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 10.0	ug/L	10.0
o-XYLENE	8260					< 5.0	ug/L	5.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
ARSENIC,TOTAL	206.2	05/04/94	JLB	05/05/94	JMM	0.012	mg/L	0.005
BARIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.043	mg/L	0.005
CADMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.016	mg/L	0.005
COPPER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.012	mg/L	0.005
IRON,TOTAL	200.7	05/04/94	JLB	05/10/94	JMM	12.3	mg/L	0.01
LEAD,TOTAL	239.2	05/04/94	JLB	05/10/94	JMM	0.027	mg/L	0.002
MANGANESE,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.074	mg/L	0.005
MERCURY,TOTAL	245.1	05/04/94	JLB	05/09/94	JLB	<0.0002	mg/L	0.0002
SELENIUM,TOTAL	270.2	05/04/94	JLB	05/05/94	JMM	<0.002	mg/L	0.002

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85661

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
SILVER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
ZINC,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.031	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR J.M.J. for THL

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
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FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/27/94

BLADEN COUNTRY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85688 SAMPLE ID- MW-2 SAMPLE MATRIX- GW
DATE SAMPLED- 04/28/94 TIME SAMPLED- 1421
DATE RECEIVED- 04/29/94 SAMPLER- REED/HOBGOOD RECEIVED BY- DLP
TIME RECEIVED- 0900 DELIVERED BY- REED/HOBGOOD

Page 1 of 1 PROJECT NAME : BLADEN CTY

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHEMICAL OXYGEN DEMAND	EPA 410.4	05/02/94	JTC	<10	mg/L	10
NITRATE	EPA354.1	05/18/94	JTC	<0.1	mg/L	0.1
SPECIFIC CONDUCTIVITY	EPA120.1	05/20/94	THL	172	umhos	0.1

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR Terrie Fitzgerald

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

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FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85662 SAMPLE ID- MW2
DATE SAMPLED- 04/27/94
DATE RECEIVED- 04/27/94 SAMPLER- MILTON HOBGOOD
TIME RECEIVED- 1700 DELIVERED BY- MILTON HOBGOOD

SAMPLE MATRIX- GW
TIME SAMPLED- 1415
RECEIVED BY- LAE

PROJECT NAME : LANDFILL

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	19	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/28/94	PLH	<1	mg/L	1
FLUORIDE	EPA340.2			05/02/94	JTC	0.1	mg/L	0.1
pH IN FIELD	EPA150.1			04/27/94	MIL	4.7	std units	
TOTAL DISSOLVED SOLIDS	EPA160.1			04/29/94	PLH	96	mg/L	1
SULFATE	EPA375.3			05/03/94	JTC	<1	mg/L	1
DEPTH TO WATER TABLE				04/27/94	MIL	16	ft	
TOTAL ORGANIC CARBON	EPA 415.2			05/04/94	ALT	3.7	mg/L	0.1
TOTAL ORGANIC HALIDES	9020			05/07/94	SMO	<5.0	ug/L	5.0
VOLATILE ORGANICS	8260			05/05/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
tert-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260					< 5.0	ug/L	5.0

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FAX (919) 467-3515

 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85662

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLOROBENZENE	8260					< 5.0	ug/L	5.0
CHLOROETHANE	8260					< 10.0	ug/L	10.0
CHLOROFORM	8260					< 5.0	ug/L	5.0
CHLOROMETHANE	8260					< 10.0	ug/L	10.0
2-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
4-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260					< 5.0	ug/L	5.0
DIBROMOMETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260					< 5.0	ug/L	5.0
cis-1,2-DICHLORETHENE	8260					< 5.0	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
ETHYLBENZENE	8260					< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260					< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260					< 5.0	ug/L	5.0
p-ISOPROPYLTOLUENE	8260					< 5.0	ug/L	5.0
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0

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FAX (919) 467-3515

 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85662

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2,4-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 10.0	ug/L	10.0
o-XYLENE	8260					< 5.0	ug/L	5.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
ARSENIC,TOTAL	206.2	05/04/94	JLB	05/05/94	JMM	0.026	mg/L	0.005
BARIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.178	mg/L	0.005
CADMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.267	mg/L	0.005
COPPER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.034	mg/L	0.005
IRON,TOTAL	200.7	05/04/94	JLB	05/10/94	JMM	78.4	mg/L	0.01
LEAD,TOTAL	239.2	05/04/94	JLB	05/10/94	JMM	0.031	mg/L	0.002
MANGANESE,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.164	mg/L	0.005
MERCURY,TOTAL	245.1	05/04/94	JLB	05/09/94	JLB	0.0030	mg/L	0.0002
SELENIUM,TOTAL	270.2	05/04/94	JLB	05/05/94	JMM	<0.004	mg/L	0.004
SILVER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
ZINC,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.121	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR J. M. for TMC

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

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FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85663 SAMPLE ID- MW3 SAMPLE MATRIX- GW
DATE SAMPLED- 04/27/94
DATE RECEIVED- 04/27/94 SAMPLER- MILTON HOBGOOD RECEIVED BY- LAE
TIME RECEIVED- 1700 DELIVERED BY- MILTON HOBGOOD

 PROJECT NAME : LANDFILL

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	30	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/28/94	PLH	3	mg/L	1
CHEMICAL OXYGEN DEMAND	EPA 410.4			05/02/94	JTC	11	mg/L	10
FLUORIDE	EPA340.2			05/02/94	JTC	0.1	mg/L	0.1
NITRATE	EPA354.1			05/18/94	JTC	<0.1	mg/L	0.1
pH IN FIELD	EPA150.1			04/27/94	MIL	6.8	std units	
TOTAL DISSOLVED SOLIDS	EPA160.1			04/29/94	PLH	186	mg/L	1
SPECIFIC CONDUCTIVITY	EPA120.1			05/20/94	THL	351	umhos	0.1
SULFATE	EPA375.3			05/03/94	JTC	3	mg/L	1
DEPTH TO WATER TABLE				04/27/94	MIL	12.0	ft	
TOTAL ORGANIC CARBON	EPA 415.2			05/04/94	ALT	8.5	mg/L	0.1
TOTAL ORGANIC HALIDES	9020			05/07/94	SMO	5.3	ug/L	5.0
VOLATILE ORGANICS	8260			05/05/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0

AMERICAN COUNCIL OF INDEPENDENT LABORATORIES, INC.

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
PRESIDENT

P. O. BOX 12298
RESEARCH TRIANGLE PARK, N. C. 27709
PHONE (919) 467-3090
FAX (919) 467-3515

 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85663

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
tert-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260					< 5.0	ug/L	5.0
CHLOROBENZENE	8260					< 5.0	ug/L	5.0
CHLOROETHANE	8260					< 10.0	ug/L	10.0
CHLOROFORM	8260					< 5.0	ug/L	5.0
CHLOROMETHANE	8260					< 10.0	ug/L	10.0
2-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
4-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260					< 5.0	ug/L	5.0
DIBROMOMETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260					< 5.0	ug/L	5.0
cis-1,2-DICHLORETHENE	8260					< 5.0	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
ETHYLBENZENE	8260					< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260					< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260					< 5.0	ug/L	5.0

CTE

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85663

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
p-ISOPROPYLTOLUENE	8260					< 5.0	ug/L	5.0
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2,4-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 5.0	ug/L	5.0
o-XYLENE	8260					< 10.0	ug/L	10.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
ARSENIC,TOTAL	206.2	05/04/94	JLB	05/05/94	JMM	< 5.0	ug/L	5.0
BARIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.175	mg/L	0.005
CADMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.075	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
COPPER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.026	mg/L	0.005
IRON,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.007	mg/L	0.005
LEAD,TOTAL	239.2	05/04/94	JLB	05/10/94	JMM	128	mg/L	0.01
MANGANESE,TOTAL	200.7	05/04/94	JLB	05/10/94	JMM	0.012	mg/L	0.002
MERCURY,TOTAL	245.1	05/04/94	JLB	05/05/94	JMM	0.066	mg/L	0.005
SELENIUM,TOTAL	270.2	05/04/94	JLB	05/09/94	JLB	<0.0002	mg/L	0.0002
		05/04/94	JLB	05/05/94	JMM	<0.004	mg/L	0.004

AMERICAN COUNCIL OF INDEPENDENT LABORATORIES, INC.

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85663

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
SILVER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
ZINC,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.046	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR J. M. for THL

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

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FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85664 SAMPLE ID- MW4 SAMPLE MATRIX- GW
DATE SAMPLED- 04/27/94
DATE RECEIVED- 04/27/94 SAMPLER- MILTON HOBGOOD RECEIVED BY- LAE
TIME RECEIVED- 1700 DELIVERED BY- MILTON HOBGOOD

 PROJECT NAME : LANDFILL

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	6	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/28/94	PLH	22	mg/L	1
CHEMICAL OXYGEN DEMAND	EPA 410.4			05/02/94	JTC	21	mg/L	10
FLUORIDE	EPA340.2			05/02/94	JTC	0.1	mg/L	0.1
NITRATE	EPA354.1			05/18/94	JTC	0.4	mg/L	0.1
pH IN FIELD	EPA150.1			04/27/94	MIL	6.8	std units	
TOTAL DISSOLVED SOLIDS	EPA160.1			04/29/94	PLH	324	mg/L	1
SPECIFIC CONDUCTIVITY	EPA120.1			05/20/94	THL	510	umhos	0.1
SULFATE	EPA375.3			05/03/94	JTC	29	mg/L	1
DEPTH TO WATER TABLE				04/27/94	MIL	10.0	ft	
TOTAL ORGANIC CARBON	EPA 415.2			05/04/94	ALT	29.1	mg/L	0.1
TOTAL ORGANIC HALIDES	9020			05/07/94	SMO	17	ug/L	5.0
VOLATILE ORGANICS	8260			05/06/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85664

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
tert-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260					< 5.0	ug/L	5.0
CHLOROBENZENE	8260					< 5.0	ug/L	5.0
CHLOROETHANE	8260					< 10.0	ug/L	10.0
CHLOROFORM	8260					< 5.0	ug/L	5.0
CHLOROMETHANE	8260					< 10.0	ug/L	10.0
2-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
4-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260					< 5.0	ug/L	5.0
DIBROMOMETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260					< 5.0	ug/L	5.0
cis-1,2-DICHLORETHENE	8260					< 5.0	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
ETHYLBENZENE	8260					< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260					< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260					< 5.0	ug/L	5.0

AMERICAN COUNCIL OF INDEPENDENT LABORATORIES, INC.

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ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85664

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
p-ISOPROPYLTOLUENE	8260					< 5.0	ug/L	5.0
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
~~1,2,4-TRIMETHYLBENZENE~~	~~8260~~					~~< 5.0~~	~~ug/L~~	~~5.0~~
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 10.0	ug/L	10.0
o-XYLENE	8260					< 5.0	ug/L	5.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
ARSENIC,TOTAL	206.2	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
BARIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.072	mg/L	0.005
CADMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.010	mg/L	0.005
COPPER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.007	mg/L	0.005
IRON,TOTAL	200.7	05/04/94	JLB	05/10/94	JMM	17.8	mg/L	0.01
LEAD,TOTAL	239.2	05/04/94	JLB	05/10/94	JMM	0.010	mg/L	0.002
MANGANESE,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.100	mg/L	0.005
MERCURY,TOTAL	245.1	05/04/94	JLB	05/09/94	JLB	<0.0002	mg/L	0.0002
SELENIUM,TOTAL	270.2	05/04/94	JLB	05/05/94	JMM	<0.002	mg/L	0.002

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85664

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
SILVER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
ZINC,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.021	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR J. M. for THE

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FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85689 SAMPLE ID- MW5
DATE SAMPLED- 04/28/94
DATE RECEIVED- 04/29/94 SAMPLER- REED/HOBGOOD
TIME RECEIVED- 0900 DELIVERED BY- T REED

SAMPLE MATRIX- GW
TIME SAMPLED- 1315
RECEIVED BY- DLP

PROJECT NAME : BLADEN COUNTY

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	13	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/29/94	PLH	<1	mg/L	1
CHEMICAL OXYGEN DEMAND	EPA 410.4			05/02/94	JTC	15	mg/L	10
FLUORIDE	EPA340.2			05/02/94	JTC	0.1	mg/L	0.1
NITRATE	EPA354.1			05/18/94	JTC	0.3	mg/L	0.1
pH IN FIELD	EPA150.1			04/28/94	TR	6.7	std units	N/A
TOTAL DISSOLVED SOLIDS	EPA160.1			04/29/94	PLH	459	mg/L	1
SPECIFIC CONDUCTIVITY	EPA120.1			05/20/94	THL	700	umhos	0.1
SULFATE	EPA375.3			05/12/94	PLH	164	mg/L	1
DEPTH TO WATER TABLE				04/28/94	TR	8.0	ft	N/A
TOTAL ORGANIC CARBON	EPA 415.2			05/04/94	ALT	22.9	mg/L	0.1
TOTAL ORGANIC HALIDES	9020			05/07/94	SMO	97.0	ug/L	5.0
VOLATILE ORGANICS	8260			05/04/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0

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 PROJECT NAME : BLADEN COUNTY

CONTINUATION OF DATA FOR SAMPLE NUMBER 85689

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
tert-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260					< 5.0	ug/L	5.0
CHLOROBENZENE	8260					< 5.0	ug/L	5.0
CHLOROETHANE	8260					< 10.0	ug/L	10.0
CHLOROFORM	8260					< 5.0	ug/L	5.0
CHLOROMETHANE	8260					< 10.0	ug/L	10.0
2-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
4-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260					< 5.0	ug/L	5.0
DIBROMOMETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260					< 5.0	ug/L	5.0
cis-1,2-DICHLORETHENE	8260					< 5.0	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
ETHYLBENZENE	8260					< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260					< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260					< 5.0	ug/L	5.0

AMERICAN COUNCIL OF INDEPENDENT LABORATORIES, INC.

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
PRESIDENT

P. O. BOX 12298
RESEARCH TRIANGLE PARK, N. C. 27709
PHONE (919) 467-3090
FAX (919) 467-3515

 PROJECT NAME : BLADEN COUNTY

CONTINUATION OF DATA FOR SAMPLE NUMBER 85689

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
p-ISOPROPYLTOLUENE	8260					< 5.0	ug/L	5.0
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2,4-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 10.0	ug/L	10.0
o-XYLENE	8260					< 5.0	ug/L	5.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
ARSENIC,TOTAL	206.2	05/09/94	JLB	05/16/94	JMM	0.031	mg/L	0.005
BARIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.124	mg/L	0.005
CADMIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
COPPER,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
IRON,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	21.4	mg/L	0.01
LEAD,TOTAL	239.2	05/09/94	JLB	05/10/94	JMM	0.002	mg/L	0.002
MANGANESE,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.587	mg/L	0.005
MERCURY,TOTAL	245.1	05/10/94	JLB	05/12/94	JLB	0.0012	mg/L	0.0002
SELENIUM,TOTAL	270.2	05/09/94	JLB	05/16/94	JMM	<0.008	mg/L	0.008

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 PROJECT NAME : BLADEN COUNTY

CONTINUATION OF DATA FOR SAMPLE NUMBER 85689

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
SILVER,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.008	mg/L	0.005
ZINC,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.026	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR J. M. for THL

CTE

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FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85690 SAMPLE ID- MW6
DATE SAMPLED- 04/28/94
DATE RECEIVED- 04/29/94 SAMPLER- REED/HOBGOOD
TIME RECEIVED- 0900 DELIVERED BY- T REED

SAMPLE MATRIX- GW
TIME SAMPLED- 1340
RECEIVED BY- DLP

PROJECT NAME : BLADEN COUNTY

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	6	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/29/94	PLH	1	mg/L	1
CHEMICAL OXYGEN DEMAND	EPA 410.4			05/02/94	JTC	<10	mg/L	10
FLUORIDE	EPA340.2			05/02/94	JTC	0.1	mg/L	0.1
NITRATE	EPA354.1			05/18/94	JTC	<0.1	mg/L	0.1
pH IN FIELD	EPA150.1			04/28/94	REE	6.7	std units	
TOTAL DISSOLVED SOLIDS	EPA160.1			04/29/94	PLH	121	mg/L	1
SPECIFIC CONDUCTIVITY	EPA120.1			05/20/94	THL	156	umhos	0.1
SULFATE	EPA375.3			05/12/94	PLH	18	mg/L	1
DEPTH TO WATER TABLE				04/28/94	REE	12.6	ft	
TOTAL ORGANIC CARBON	EPA 415.2			05/04/94	ALT	3.9	mg/L	0.1
TOTAL ORGANIC HALIDES	9020			05/07/94	SMO	5.0	ug/L	5.0
VOLATILE ORGANICS	8260			05/04/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0

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FAX (919) 467-3515

 PROJECT NAME : BLADEN COUNTY

CONTINUATION OF DATA FOR SAMPLE NUMBER 85690

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
tert-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260					< 5.0	ug/L	5.0
CHLOROBENZENE	8260					< 5.0	ug/L	5.0
CHLOROETHANE	8260					< 10.0	ug/L	10.0
CHLOROFORM	8260					< 5.0	ug/L	5.0
CHLOROMETHANE	8260					< 10.0	ug/L	10.0
2-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
4-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260					< 5.0	ug/L	5.0
DIBROMOMETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260					< 5.0	ug/L	5.0
cis-1,2-DICHLORETHENE	8260					< 5.0	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
ETHYLBENZENE	8260					< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260					< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260					< 5.0	ug/L	5.0

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PROJECT NAME : BLADEN COUNTY

CONTINUATION OF DATA FOR SAMPLE NUMBER 85690

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
p-ISOPROPYLTOLUENE	8260					< 5.0	ug/L	5.0
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2,4-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 5.0	ug/L	5.0
o-XYLENE	8260					< 10.0	ug/L	10.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
ARSENIC,TOTAL	206.2	05/09/94	JLB	05/16/94	JMM	< 5.0	ug/L	5.0
BARIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
CADMIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.051	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
COPPER,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.018	mg/L	0.005
IRON,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.041	mg/L	0.005
LEAD,TOTAL	239.2	05/09/94	JLB	05/10/94	JMM	6.42	mg/L	0.01
MANGANESE,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.009	mg/L	0.002
MERCURY,TOTAL	245.1	05/10/94	JLB	05/12/94	JLB	0.077	mg/L	0.005
SELENIUM,TOTAL	270.2	05/09/94	JLB	05/13/94	JMM	<0.0002	mg/L	0.0002
						<0.002	mg/L	0.002

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 PROJECT NAME : BLADEN COUNTY

CONTINUATION OF DATA FOR SAMPLE NUMBER 85690

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
SILVER,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
ZINC,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.030	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR J. M. M. for THL

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FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85665 SAMPLE ID- MW7 SAMPLE MATRIX- GW
DATE SAMPLED- 04/27/94 TIME SAMPLED- 1214
DATE RECEIVED- 04/27/94 SAMPLER- MILTON HOBGOOD RECEIVED BY- LAE
TIME RECEIVED- 1700 DELIVERED BY- MILTON HOBGOOD

Page 1 of 4 PROJECT NAME : LANDFILL

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	12	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/28/94	PLH	1	mg/L	1
CHEMICAL OXYGEN DEMAND	EPA 410.4			05/02/94	JTC	13	mg/L	10
FLUORIDE	EPA340.2			05/02/94	JTC	0.1	mg/L	0.1
NITRATE	EPA354.1			05/18/94	JTC	0.1	mg/L	0.1
pH IN FIELD	EPA150.1			04/27/94	MIL	6.8	std units	
TOTAL DISSOLVED SOLIDS	EPA160.1			04/29/94	PLH	309	mg/L	1
SPECIFIC CONDUCTIVITY	EPA120.1			05/20/94	THL	580	umhos	0.1
SULFATE	EPA375.3			05/03/94	JTC	24	mg/L	1
DEPTH TO WATER TABLE				04/27/94	MIL	12.6	ft	
TOTAL ORGANIC CARBON	EPA 415.2			05/04/94	ALT	7.3	mg/L	0.1
TOTAL ORGANIC HALIDES	9020			05/07/94	SMO	8.3	ug/L	5.0
VOLATILE ORGANICS	8260			05/06/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85665

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
tert-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260					< 5.0	ug/L	5.0
CHLOROBENZENE	8260					< 5.0	ug/L	5.0
CHLOROETHANE	8260					< 10.0	ug/L	10.0
CHLOROFORM	8260					< 5.0	ug/L	5.0
CHLOROMETHANE	8260					< 10.0	ug/L	10.0
2-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
4-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260					< 5.0	ug/L	5.0
DIBROMOMETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260					< 5.0	ug/L	5.0
cis-1,2-DICHLORETHENE	8260					< 5.0	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
ETHYLBENZENE	8260					< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260					< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260					< 5.0	ug/L	5.0

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FAX (919) 467-3515

 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85665

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
p-ISOPROPYLTOLUENE	8260					< 5.0	ug/L	5.0
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2,4-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 10.0	ug/L	10.0
o-XYLENE	8260					< 5.0	ug/L	5.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
ARSENIC,TOTAL	206.2	05/04/94	JLB	05/05/94	JMM	0.005	mg/L	0.005
BARIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.022	mg/L	0.005
CADMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
COPPER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
IRON,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	2.95	mg/L	0.01
LEAD,TOTAL	239.2	05/04/94	JLB	05/10/94	JMM	<0.002	mg/L	0.002
MANGANESE,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.090	mg/L	0.005
MERCURY,TOTAL	245.1	05/04/94	JLB	05/09/94	JLB	<0.0002	mg/L	0.0002
SELENIUM,TOTAL	270.2	05/04/94	JLB	05/05/94	JMM	<0.002	mg/L	0.002

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
PRESIDENT

P. O. BOX 12298
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PHONE (919) 467-3090
FAX (919) 467-3515

 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85665

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
SILVER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
ZINC,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.010	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR Jim for THL

Chemical & Environmental Technology, Inc.

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FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85666 SAMPLE ID- MW8
DATE SAMPLED- 04/27/94
DATE RECEIVED- 04/27/94 SAMPLER- MILTON HOBGOOD
TIME RECEIVED- 1700 DELIVERED BY- MILTON HOBGOOD

SAMPLE MATRIX- GW
TIME SAMPLED- 1144
RECEIVED BY- LAE

 PROJECT NAME : LANDFILL

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	25	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/28/94	PLH	4	mg/L	1
CHEMICAL OXYGEN DEMAND	EPA 410.4			05/02/94	JTC	<10	mg/L	10
FLUORIDE	EPA340.2			05/02/94	JTC	< 0.1	mg/L	0.1
NITRATE	EPA354.1			05/18/94	JTC	<0.1	mg/L	0.1
pH IN FIELD	EPA150.1			04/27/94	MIL	6.3	std units	
TOTAL DISSOLVED SOLIDS	EPA160.1			04/29/94	PLH	320	mg/L	1
SPECIFIC CONDUCTIVITY	EPA120.1			05/20/94	THL	470	umhos	0.1
SULFATE	EPA375.3			05/12/94	PLH	152	mg/L	1
DEPTH TO WATER TABLE				04/27/94	MIL	17.4	ft	
TOTAL ORGANIC CARBON	EPA 415.2			05/04/94	ALT	5.9	mg/L	0.1
TOTAL ORGANIC HALIDES	9020			05/07/94	SMO	<5.0	ug/L	5.0
VOLATILE ORGANICS	8260			05/06/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85666

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
tert-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260					< 5.0	ug/L	5.0
CHLOROBENZENE	8260					< 5.0	ug/L	5.0
CHLOROETHANE	8260					< 10.0	ug/L	10.0
CHLOROFORM	8260					< 5.0	ug/L	5.0
CHLOROMETHANE	8260					< 10.0	ug/L	10.0
2-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
4-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260					< 5.0	ug/L	5.0
DIBROMOMETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260					< 5.0	ug/L	5.0
cis-1,2-DICHLORETHENE	8260					< 5.0	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
ETHYLBENZENE	8260					< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260					< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260					< 5.0	ug/L	5.0

AMERICAN COUNCIL OF INDEPENDENT LABORATORIES, INC.

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85666

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
p-ISOPROPYLTOLUENE	8260					< 5.0	ug/L	5.0
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2,4-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 10.0	ug/L	10.0
o-XYLENE	8260					< 5.0	ug/L	5.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
ARSENIC,TOTAL	206.2	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
BARIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.101	mg/L	0.005
CADMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.007	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
COPPER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
IRON,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	6.69	mg/L	0.01
LEAD,TOTAL	239.2	05/04/94	JLB	05/10/94	JMM	0.004	mg/L	0.002
MANGANESE,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.137	mg/L	0.005
MERCURY,TOTAL	245.1	05/04/94	JLB	05/09/94	JLB	<0.0002	mg/L	0.0002
SELENIUM,TOTAL	270.2	05/04/94	JLB	05/06/94	JMM	<0.004	mg/L	0.004

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85666

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
SILVER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
ZINC,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.022	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR Jim M. for THL

Chemical & Environmental Technology, Inc.

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FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85667 SAMPLE ID- MW9 SAMPLE MATRIX- GW
DATE SAMPLED- 04/27/94 TIME SAMPLED- 1118
DATE RECEIVED- 04/27/94 SAMPLER- MILTON HOBGOOD RECEIVED BY- LAE
TIME RECEIVED- 1700 DELIVERED BY- MILTON HOBGOOD

 PROJECT NAME : LANDFILL

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	145	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/28/94	PLH	3	mg/L	1
CHEMICAL OXYGEN DEMAND	EPA 410.4			05/02/94	JTC	24	mg/L	10
FLUORIDE	EPA340.2			05/02/94	JTC	0.1	mg/L	0.1
NITRATE	EPA354.1			05/18/94	JTC	<0.1	mg/L	0.1
pH IN FIELD	EPA150.1			04/27/94	MIL	6.4	std units	
TOTAL DISSOLVED SOLIDS	EPA160.1			04/29/94	PLH	950	mg/L	1
SPECIFIC CONDUCTIVITY	EPA120.1			05/20/94	THL	162	umhos	0.1
SULFATE	EPA375.3			05/12/94	PLH	68	mg/L	1
DEPTH TO WATER TABLE				04/27/94	MIL	9.7	ft	
TOTAL ORGANIC CARBON	EPA 415.2			05/04/94	ALT	48.3	mg/L	0.1
TOTAL ORGANIC HALIDES	9020			05/07/94	SMO	25.0	ug/L	5.0
VOLATILE ORGANICS	8260			05/06/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85667

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
tert-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260					< 5.0	ug/L	5.0
CHLOROBENZENE	8260					< 5.0	ug/L	5.0
CHLOROETHANE	8260					< 10.0	ug/L	10.0
CHLOROFORM	8260					< 5.0	ug/L	5.0
CHLOROMETHANE	8260					< 10.0	ug/L	10.0
2-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
4-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260					< 5.0	ug/L	5.0
DIBROMOMETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260					< 5.0	ug/L	5.0
70 cis-1,2-DICHLORETHENE	8260					18.7	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
ETHYLBENZENE	8260					< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260					< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260					< 5.0	ug/L	5.0

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85667

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
p-ISOPROPYLTOLUENE	8260					< 5.0	ug/L	5.0
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2,4-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 10.0	ug/L	10.0
o-XYLENE	8260					< 5.0	ug/L	5.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
ARSENIC,TOTAL	206.2	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
BARIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.081	mg/L	0.005
CADMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.027	mg/L	0.005
COPPER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.010	mg/L	0.005
IRON,TOTAL	200.7	05/04/94	JLB	05/10/94	JMM	23.9	mg/L	0.01
LEAD,TOTAL	239.2	05/04/94	JLB	05/10/94	JMM	0.008	mg/L	0.002
MANGANESE,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.115	mg/L	0.005
MERCURY,TOTAL	245.1	05/04/94	JLB	05/09/94	JLB	<0.0002	mg/L	0.0002
SELENIUM,TOTAL	270.2	05/04/94	JLB	05/06/94	JMM	<0.004	mg/L	0.004

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 PROJECT NAME : LANDFILL

CONTINUATION OF DATA FOR SAMPLE NUMBER 85667

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
SILVER,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	<0.005	mg/L	0.005
ZINC,TOTAL	200.7	05/04/94	JLB	05/05/94	JMM	0.188	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR J. M. O. for THL

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

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FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85691 SAMPLE ID- SW-1 SAMPLE MATRIX- GW
DATE SAMPLED- 04/28/94 TIME SAMPLED- 1334
DATE RECEIVED- 04/29/94 SAMPLER- REED/HOBGOOD RECEIVED BY- DLP
TIME RECEIVED- 0900 DELIVERED BY- T REED

 PROJECT NAME : BLADEN COUNTY

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	20	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/29/94	PLH	2	mg/L	1
CHEMICAL OXYGEN DEMAND	EPA 410.4			05/02/94	JTC	28	mg/L	10
FLUORIDE	EPA340.2			05/02/94	JTC	< 0.1	mg/L	0.1
NITRATE	EPA354.1			05/18/94	JTC	0.1	mg/L	0.1
pH IN FIELD	EPA150.1			04/28/94	REE	7.2	std units	
TOTAL DISSOLVED SOLIDS	EPA160.1			04/29/94	PLH	165	mg/L	1
SPECIFIC CONDUCTIVITY	EPA120.1			05/20/94	THL	260	umhos	0.1
SULFATE	EPA375.3			05/12/94	PLH	25	mg/L	1
TOTAL ORGANIC CARBON	EPA 415.2			05/04/94	ALT	8.9	mg/L	0.1
TOTAL ORGANIC HALIDES	9020			05/07/94	SMO	29.0	ug/L	5.0
VOLATILE ORGANICS	8260			05/04/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0

CTE Chemical & Environmental Technology, Inc.
ENVIRONMENTAL LA[illegible] AND CONSULTING SERVICES

JOHN M. OGLE
PRESIDENT

P. O. BOX 12298
RESEARCH TRIANGLE PARK, N. C. 27709
PHONE (919) 467-3090
FAX (919) 467-3515

PROJECT NAME [illegible] COUNTY

CONTINUATION OF DATA FOR SAMPLE NUMBER [illegible]

ANALYSIS	METHOD	PREP BY	PREP DATE	ANALYSIS BY	RESULT	UNITS	PQL
tert-BUTYLBENZENE	8260				< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260				< 5.0	ug/L	5.0
CHLOROBENZENE	8260				< 5.0	ug/L	5.0
CHLOROETHANE	8260				< 5.0	ug/L	5.0
CHLOROFORM	8260				< 10.0	ug/L	10.0
CHLOROMETHANE	8260				< 5.0	ug/L	5.0
2-CHLOROTOLUENE	8260				< 10.0	ug/L	10.0
4-CHLOROTOLUENE	8260				< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260				< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260				< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260				< 5.0	ug/L	5.0
DIBROMOMETHANE	8260				< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260				< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260				< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260				< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260				< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260				< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260				< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260				< 5.0	ug/L	5.0
cis-1,2-DICHLORETHENE	8260				< 5.0	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260				< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260				< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260				< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260				< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260				< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260				< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260				< 5.0	ug/L	5.0
ETHYLBENZENE	8260				< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260				< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260				< 5.0	ug/L	5.0
p-ISOPROPYLTOLUENE	8260				< 5.0	ug/L	5.0

AMERICAN COUNCIL OF INDEPENDENT LABORATORIES

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

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 PROJECT NAME : BLADEN COUNTY

CONTINUATION OF DATA FOR SAMPLE NUMBER 85691

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2,4-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 10.0	ug/L	10.0
o-XYLENE	8260					< 5.0	ug/L	5.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
~~ARSENIC,TOTAL~~	~~206.2~~	~~05/09/94~~	~~JLB~~	~~05/16/94~~	~~JMM~~	~~<0.005~~	~~mg/L~~	~~0.005~~
BARIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.036	mg/L	0.005
CADMIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
COPPER,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
IRON,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	2.14	mg/L	0.01
LEAD,TOTAL	239.2	05/09/94	JLB	05/10/94	JMM	0.002	mg/L	0.002
MANGANESE,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.077	mg/L	0.005
MERCURY,TOTAL	245.1	05/10/94	JLB	05/12/94	JLB	<0.0002	mg/L	0.0002
SELENIUM,TOTAL	270.2	05/09/94	JLB	05/13/94	JMM	<0.002	mg/L	0.002
SILVER,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
ZINC,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.006	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR J. M. for THL

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

JOHN M. OGLE
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FAX (919) 467-3515

FINAL REPORT OF ANALYSES

BLADEN COUNTY SOLID WASTE
P.O. BOX 1713
ELIZABETHTOWN, NC 28337-
Attn: BOBBY LENNON

REPORT DATE: 05/26/94

BLADEN COUNTY LANDFILL 4/27 - 4/28/94 MW SAMPLING

SAMPLE NUMBER- 85692 SAMPLE ID- SW-2
DATE SAMPLED- 04/28/94
DATE RECEIVED- 04/29/94 SAMPLER- REED/HOBGOOD
TIME RECEIVED- 0900 DELIVERED BY- T REED

SAMPLE MATRIX- GW
TIME SAMPLED- 1536
RECEIVED BY- DLP

PROJECT NAME : BLADEN COUNTY

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
CHLORIDE	EPA 325.3			05/02/94	JTC	10	mg/L	1
BIOCHEMICAL OXYGEN DEMAND	EPA 405.1			04/29/94	PLH	2	mg/L	1
CHEMICAL OXYGEN DEMAND	EPA 410.4			05/02/94	JTC	32	mg/L	10
FLUORIDE	EPA340.2			05/02/94	JTC	< 0.1	mg/L	0.1
NITRATE	EPA354.1			05/18/94	JTC	0.1	mg/L	0.1
pH IN FIELD	EPA150.1			04/28/94	REE	5.9	std units	
TOTAL DISSOLVED SOLIDS	EPA160.1			04/29/94	PLH	120	mg/L	1
SPECIFIC CONDUCTIVITY	EPA120.1			05/20/94	THL	465	umhos	0.1
SULFATE	EPA375.3			05/12/94	PLH	13	mg/L	1
TOTAL ORGANIC CARBON	EPA 415.2			05/04/94	ALT	13.1	mg/L	0.1
TOTAL ORGANIC HALIDES	9020			05/07/94	SMO	55.0	ug/L	5.0
VOLATILE ORGANICS	8260			05/04/94	ALT			
BENZENE	8260					< 5.0	ug/L	5.0
BROMOBENZENE	8260					< 5.0	ug/L	5.0
BROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMODICHLOROMETHANE	8260					< 5.0	ug/L	5.0
BROMOFORM	8260					< 5.0	ug/L	5.0
BROMOMETHANE	8260					< 10.0	ug/L	10.0
n-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
sec-BUTYLBENZENE	8260					< 5.0	ug/L	5.0

AMERICAN COUNCIL OF INDEPENDENT LABORATORIES, INC.

CTE

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PROJECT NAME : BLADEN COUNTY

CONTINUATION OF DATA FOR SAMPLE NUMBER 85692

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
tert-BUTYLBENZENE	8260					< 5.0	ug/L	5.0
CARBON TETRACHLORIDE	8260					< 5.0	ug/L	5.0
CHLOROBENZENE	8260					< 5.0	ug/L	5.0
CHLOROETHANE	8260					< 10.0	ug/L	10.0
CHLOROFORM	8260					< 5.0	ug/L	5.0
CHLOROMETHANE	8260					< 10.0	ug/L	10.0
2-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
4-CHLOROTOLUENE	8260					< 5.0	ug/L	5.0
DIBROMOCHLOROMETHANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMO-3-CHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2-DIBROMOETHANE	8260					< 5.0	ug/L	5.0
DIBROMOMETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,4-DICHLOROBENZENE	8260					< 5.0	ug/L	5.0
DICHLORODIFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1 DICHLOROETHENE	8260					< 5.0	ug/L	5.0
cis-1,2-DICHLORETHENE	8260					< 5.0	ug/L	5.0
trans-1,2-DICHLOROETHENE	8260					< 5.0	ug/L	5.0
1,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,3-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
2,2-DICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,1-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
cis-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
trans-1,3-DICHLOROPROPENE	8260					< 5.0	ug/L	5.0
ETHYLBENZENE	8260					< 5.0	ug/L	5.0
HEXACHLOROBUTADIENE	8260					< 5.0	ug/L	5.0
ISOPROPYLBENZENE	8260					< 5.0	ug/L	5.0
p-ISOPROPYLTOLUENE	8260					< 5.0	ug/L	5.0

Chemical & Environmental Technology, Inc.

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 PROJECT NAME : BLADEN COUNTY

CONTINUATION OF DATA FOR SAMPLE NUMBER 85692

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	PQL
METHLYENE CHLORIDE	8260					< 5.0	ug/L	5.0
NAPHTHALENE	8260					< 5.0	ug/L	5.0
n-PROPYLBENZENE	8260					< 5.0	ug/L	5.0
STYRENE	8260					< 5.0	ug/L	5.0
1,1,1,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2,2-TETRACHLOROETHANE	8260					< 5.0	ug/L	5.0
TETRACHLOROETHENE	8260					< 5.0	ug/L	5.0
TOLUENE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,2,4-TRICHLOROBENZENE	8260					< 5.0	ug/L	5.0
1,1,1-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
1,1,2-TRICHLOROETHANE	8260					< 5.0	ug/L	5.0
TRICHLOROETHENE	8260					< 5.0	ug/L	5.0
TRICHLOROFLUOROMETHANE	8260					< 5.0	ug/L	5.0
1,2,3-TRICHLOROPROPANE	8260					< 5.0	ug/L	5.0
1,2,4-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
1,3,5-TRIMETHYLBENZENE	8260					< 5.0	ug/L	5.0
VINYL CHLORIDE	8260					< 10.0	ug/L	10.0
o-XYLENE	8260					< 5.0	ug/L	5.0
m,p-XYLENES	8260					< 5.0	ug/L	5.0
ARSENIC,TOTAL	206.2	05/09/94	JLB	05/16/94	JMM	<0.005	mg/L	0.005
BARIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.027	mg/L	0.005
CADMIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
CHROMIUM,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
COPPER,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
IRON,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	1.76	mg/L	0.01
LEAD,TOTAL	239.2	05/09/94	JLB	05/10/94	JMM	<0.002	mg/L	0.002
MANGANESE,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.049	mg/L	0.005
MERCURY,TOTAL	245.1	05/10/94	JLB	05/12/94	JLB	<0.0002	mg/L	0.0002
SELENIUM,TOTAL	270.2	05/09/94	JLB	05/13/94	JMM	<0.002	mg/L	0.002
SILVER,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	<0.005	mg/L	0.005
ZINC,TOTAL	200.7	05/09/94	JLB	05/10/94	JMM	0.012	mg/L	0.005

PQL = Practical Quantitation Limit
Data qualifier, J, indicates an estimated value. The reported result is less than PQL.

LABORATORY DIRECTOR [signature] for THL

Chemical & Environmental Technology, Inc.

ENVIRONMENTAL LABORATORY AND CONSULTING SERVICES

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METHOD REFERENCES

Federal Register, Vol. 56, 40 CFR Part 136.3, October 8, 1991

--Metals, Inorganics, and Organics for groundwater and wastewater

Federal Register, Vol. 56, 40 CFR Parts 141-143, January 30, 1991

--Metals, Inorganics, and Organics for drinking water

"Groundwater Section Guidelines for the Investigation and Remediation of Soils and Groundwater", NCDEHNR, DEM, March 1993.

--High Fraction Hydrocarbon and Low Fraction Hydrocarbon for groundwater and soil

~~SW-846, Third Edition, November 1986~~

--Inorganics and Organics in soil or sludges. Metals in soil, sludge, or groundwater. (Metals in groundwater are digested by **Method 3030C, Standard Methods, 17th Edition)**

40 CFR Part 261, Appendix II and III

--Toxic Characteristic Leaching Procedure

Standard Methods, 17th Edition, 1989

--Total and Fecal Coliform in wastewater, streams, and lakes

Chemical & Environmental Technology, Inc.

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PHONE (919) 467-3090
FAX (919) 467-3515

INVOICE 940347
May 31, 1994

DATE _____ AUTH. BY: _____
ACCT. # _____
ST. _____
CT. _____

P. O. DATE: _____ # _____ LIQ. _____
CK. # _____ DATE: _____

ATTN: ACCOUNTS PAYABLE
BLADEN COUNTY OPERATIONS
PO BOX 1626
ELIZABETHTOWN, NC 28337

RE: PO NUMBER: TIM KINLAW
CET SAMPLE: 85661-67, 85688-92
PROJECT: BLADEN COUNTY LANDFILL
GROUNDWATER MONITORING

QUANTITY	DESCRIPTION	RUSH FACTOR	UNIT PRICE	TOTAL PRICE
11	METHOD 8260	1.00	$ 200.00	$ 2200.00
11	ARSENIC	1.00	$ 30.00	$ 330.00
11	BARIUM	1.00	$ 12.50	$ 137.50
11	CADMIUM	1.00	$ 20.00	$ 220.00
11	CHROMIIUM	1.00	$ 12.50	$ 137.50
11	COPPER	1.00	$ 2.40	$ 26.40
11	IRON	1.00	$ 12.50	$ 137.50
11	LEAD	1.00	$ 20.00	$ 220.00
11	MANGANESE	1.00	$ 12.50	$ 137.50
11	MERCURY	1.00	$ 30.00	$ 330.00
11	SELENIUM	1.00	$ 30.00	$ 330.00
~~11~~	~~SILVER~~	~~1.00~~	~~$ 12.50~~	~~$ 137.50~~
11	ZINC	1.00	$ 12.50	$ 137.50
11	CHLORIDE	1.00	$ 10.00	$ 110.00
11	FLUORIDE	1.00	$ 15.00	$ 165.00
11	NITRATE, NITROGEN	1.00	$ 20.00	$ 220.00
11	SULFATE	1.00	$ 25.00	$ 275.00
11	TOC	1.00	$ 25.00	$ 275.00
11	TOX	1.00	$ 65.00	$ 715.00
11	TDS	1.00	$ 10.00	$ 110.00
11	BOD	1.00	$ 22.00	$ 242.00
11	COD	1.00	$ 20.00	$ 220.00
11	CONDUCTIVITY	1.00	$ 5.00	$ 55.00
11	pH	1.00	$ 5.00	$ 55.00
20	HOURS LABOR	1.00	$ 35.00	$ 700.00
400	MILES	1.00	$ .27	$ 108.00
9	BAILERS	1.00	$ 20.00	$ 180.00
		TOTAL DUE		$ 7911.40

TERMS: 30 DAYS NET. BALANCE REMAINING AT DUE DATE WILL BE SUBJECTED TO A SERVICE CHARGE OF 1-1/2% PER MONTH UNTIL PAID.

205800-040
BB

LIC Cary, NC 27511 (919) 467-3090

CLIENT NAME: BLADEN Co

ADDRESS:

April & May 94

IRON High

PHONE:

PROJECT NO:

PROJECT NAME:

COLLECTED BY: (Signature) REED & Hobgood

BILL TO:

ADDRESS:

PURCHASE ORDER NO:

PRESERVED IN FIELD ☑
PRESERVED IN LAB ☐
RECEIVED ON ICE ☑

ANALYSES REQUIRED

C & ET NO.	DATE	TIME	COMP	GRAB	SAMPLE I.D.	NO CONTAINERS	8260 (Volatile Organics)	As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Se, Ag, Zn	COD, TDS, SO_4, Cl, Fl, Alkalinity	TOC, TOX, pH in field	COD, Nitrate (Nitrogen)	Conductivity, Water level in field	REMARKS		PRESERVATIVES NONE	NaOH	H_2SO_4	HNO_3	HCl
													PH	Water level					
85688	4/28/94	1421		✓	mw #2						✓	✓			✓		✓		
85689	4/28/94	1315		✓	mw #5		✓	✓	✓	✓	✓	✓	6.7	8.0	✓		✓	✓	✓
90	4/28/94	1340		✓	mw #6		✓	✓	✓	✓	✓	✓	6.7	12.6	✓		✓	✓	✓
91	4/28/94	1334		✓	SW #1		✓	✓	✓	✓	✓	✓	7.2		✓		✓	✓	✓
92	4/28/94	1536		✓	SW #2		✓	✓	✓	✓	✓	✓	5.9		✓		✓	✓	✓

mw 1 17.3
mw-1
mw-2

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED BY (Signature)

RELINQUISHED BY (Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME	REMARKS:
[signature]	4/29/94	9:00	D Pangle	4/29/94	0900	GW

REPORT COPY

Cadmium - Properties - Soft, blue-white, malleable metal or grayish-white powder. Resistant to alkalies. D 8.642, Mohs hardness 2.0. Soluble in acids, especially nitric, and in ammonium nitrate solution. Only traces of elemental cadmium are likely to be found in natural waters, but cadmium may be introduced in amounts significant form a health standpoint by solution from containers or tubing or by waste disposal. Cadmium probably could be present only in small amounts in water with the normal alkaline pH, but at a pH below about 4.5, the solubility of cadmium would probably be greater.

Occurrence - A greenockite (cadmium sulfide) ore containing zinc sulfide; also in lead and copper ores containing zinc.

Uses - Electro-deposited and dipped coatings on metals, bearing and low-melting alloys, brazing alloys, fire protection systems, nickel-cadmium storage batteries, power transmission wire, TV phosphors, basis of pigments used in ceramic glazes, machinery enamels, baking enamels, Weston standard cell control of atomic fission in nuclear reactors, fungicide, photography and lithography, selenium rectifiers, electrodes for cadmium-vapor lamps and photoelectric cells, plasticizer chiefly in polyvinylchloride.

Hazards - Flammable in powder form. Toxic by inhalation of dust or fume. A **carcinogen**. Soluble compounds of cadmium are highly toxic; however, ingestion usually induces a strong emetic action which minimizes the risk of fatal poisoning. Use as a fungicide may be restricted. In industry, after overexposure to cadmium at high concentrations, bronchitis, emphysema, anemia, and renal stones have been found. The major route of adsorption is through the gastrointestinal tract. The major effects are likely to be on the kidney. Cadmium at very high doses can interfere with the activation of vitamin D in both liver and kidneys. There is evidence from animal studies that cadmium is implicated in the etiology of hypertension.

:C-DEHNR
ivision of Solid Waste Management
☐ Superfund Section
☐ Hazardous Waste Section
☑ Solid Waste Section

Organics Lab: ____
Inorganics Lab: ✓

JUN 1994
Received
Solid Waste
Section

CHAIN OF CUSTODY RECORD

Project Name: Bladen Co
Site ID # (NCD#) 09-01
Location: US 701
Address: ____

Sampled by: L. Rose
Sampler ID 100
Telephone: ( ) 730-0692
Date Sampled: 4/27/94
Time Sampled: ____

Sample Types: Soil ✓ Water ✓ Waste ____ Other ____

Remarks: ____

Field Sample Numbers: 22191, 22192, 22193, 22194, 22195

Relinquished by: Larry Rose (Signature) Date: 4/28/94 Time: 1:15
Received by: Joyce Davis (Signature) Date: 4/28/94 Time: 1:15
Relinquished by: ____ (Signature) Date: ____ Time: ____
Received by: ____ (Signature) Date: ____ Time: ____
Relinquished by: ____ (Signature) Date: ____ Time: ____
Received by: ____ (Signature) Date: ____ Time: ____
Results Reported: MC Wade (Signature) Date: 3/11/94 Time: ____

COC1

NC Department of Environment, Health, & Natural Resources
Solid Waste Management Division

SAMPLE ANALYSIS REQUEST

State Laboratory of Public Health
P.O. Box 28047, 306 N. Wilmington St.
Raleigh, North Carolina 27611-8047

Site Number 09-01 Sample ID Number/Name 22194

Name of Site Bladen Co LF Collected By L. Rose ID# 100

Site Location US 701 Date Collected 4-27-94 Time 11:30

Agency: ___ Hazardous Waste ✓ Solid Waste ___ Superfund

Sample Type

Environmental	Concentrate	Comments
___ Ground Water (1)	___ Solid (5)	Upstream Sediment - Tributary Sediment
___ Surface Water (2)	___ Liquid (6)	near MW-8
✓ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

TCLP Compounds

Inorganic Compounds	Results(mg/l)
___ arsenic	
___ barium	
___ cadmium	
___ chromium	
___ lead	
___ mercury	
___ selenium	
___ silver	
___	
___	
___	
___	

Organic Chemistry

Parameter	Results (mg/l)
___ P&T:GC/MS	
___ Acid:B/N Ext.	
___ 2,4-D	
___ 2,4,5-TP(Silvex)	
___ chlordane	
___ heptachlor	
___ hexachlorobenzene	
___ hexachlorobutadiene	
___ endrin	
___ lindane	
___ methoxychlor	
___ toxaphene	
___	
___	
___	
___	

Inorganic Chemistry

Parameter	Results ~~(mg/l)~~ ~~(mg/kg)~~ mg/Kg
___ antimony	
___ arsenic	
___ barium	
___ beryllium	
✓ cadmium	<10
___ chloride	
___ chromium	
___ cobalt	
___ copper	
___ fluoride	
___ iron	
___ lead	
___ manganese	
___ mercury	
___ nickel	
___ nitrate	
___ selenium	
___ silver	
___ sulfates	
___ thallium	
___ vanadium	
___ zinc	
___ pH	
___ conductivity	
___ TDS	
___ flash point	
___	
___	
___	
___	
___	
___	

Organic Compounds	Results(mg/l)
___ benzene	
___ carbon tetrachloride	
___ chlordane	
___ chlorobenzene	
___ chloroform	
___ o-cresol	
___ m-cresol	
___ p-cresol	
___ cresol	
___ 1,4-dichlorobenzene	
___ 1,2-dichloroethane	
___ 1,1-dichloroethylene	
___ 2,4-dichloroethylene	
___ heptachlor	
___ hexachlorobenzene	
___ hexachlorobutadiene	
___ hexachloroethane	
___ methyl ethyl ketone	
___ nitrobenzene	
___ pentachlorophenol	
___ pyridine	
___ tetrachloroethylene	
___ trichloroethylene	
___ 2,4,5-trichlorophenol	
___ 2,4,6-trichlorophenol	
___ vinyl chloride	
___ endrin	
___ lindane	
___ methoxychlor	
___ toxaphene	
___ 2,4-D	
___ 2,4,5-TP (Silvex)	

FOR LAB USE ONLY

Date Received ___

Date Extracted ___

Date Analyzed ___

Reported By ___

Date Reported ___

Lab Number 007557 APR 29 94

DHS 3191 (Revised 12/93)

NC Department of Environment, Health, & Natural Resources
Solid Waste Management Division

SAMPLE ANALYSIS REQUEST

State Laboratory of Public Health
P.O. Box 28047, 306 N. Wilmington St.
Raleigh, North Carolina 27611-8047

Site Number 09-01 Sample ID Number/Name 22195

Name of Site Bladen Co LF Collected By L. Rose ID# 100

Site Location US 701 Date Collected 4-27-94 Time 11:20

Agency: ___ Hazardous Waste ✓ Solid Waste ___ Superfund

Sample Type

Environmental	Concentrate	Comments
___ Ground Water (1)	___ Solid (5)	Downstream sediment
___ Surface Water (2)	___ Liquid (6)	-Below MW-8
✓ Soil (3)	___ Sludge (7)	-Tributary bottom
___ Other (4)	___ Other (8)	

TCLP Compounds

Inorganic Compounds	Results(mg/l)
___ arsenic	
___ barium	
___ cadmium	
___ chromium	
___ lead	
___ mercury	
___ selenium	
___ silver	
___	
___	
___	
___	

Organic Compounds	Results(mg/l)
___ benzene	
___ carbon tetrachloride	
___ chlordane	
___ chlorobenzene	
___ chloroform	
___ o-cresol	
___ m-cresol	
___ p-cresol	
___ cresol	
___ 1,4-dichlorobenzene	
___ 1,2-dichloroethane	
___ 1,1-dichloroethylene	
___ 2,4-dichloroethylene	
___ heptachlor	
___ hexachlorobenzene	
___ hexachlorobutadiene	
___ hexachloroethane	
___ methyl ethyl ketone	
___ nitrobenzene	
___ pentachlorophenol	
___ pyridine	
___ tetrachloroethylene	
___ trichloroethylene	
___ 2,4,5-trichlorophenol	
___ 2,4,6-trichlorophenol	
___ vinyl chloride	
___ endrin	
___ lindane	
___ methoxychlor	
___ toxaphene	
___ 2,4-D	
___ 2,4,5-TP (Silvex)	

Organic Chemistry

Parameter	Results (mg/l)
___ P&T:GC/MS	
___ Acid:B/N Ext.	
___ 2,4-D	
___ 2,4,5-TP(Silvex)	
___ chlordane	
___ heptachlor	
___ hexachlorobenzene	
___ hexachlorobutadiene	
___ endrin	
___ lindane	
___ methoxychlor	
___ toxaphene	
___	
___	
___	
___	

Inorganic Chemistry

Parameter	Results ~~(mg/l)(mg/kg)~~ mg/Kg
___ antimony	
___ arsenic	
___ barium	
___ beryllium	
✓ cadmium	< .10
___ chloride	
___ chromium	
___ cobalt	
___ copper	
___ fluoride	
___ iron	
___ lead	
___ manganese	
___ mercury	
___ nickel	
___ nitrate	
___ selenium	
___ silver	
___ sulfates	
___ thallium	
___ vanadium	
___ zinc	
___ pH	
___ conductivity	
___ TDS	
___ flash point	
___	
___	
___	
___	
___	
___	

FOR LAB USE ONLY

Date Received ___

Date Extracted ___

Date Analyzed ___

Reported By ___

Date Reported ___

007558 APR 29 94

Lab Number ___

DHS 3191 (Revised 12/93)

NC Department of Environment, Health, & Natural Resources
Solid Waste Management Division

SAMPLE ANALYSIS REQUEST

State Laboratory of Public Health
P.O. Box 28047, 306 N. Wilmington St.
Raleigh, North Carolina 27611-8047

Site Number 09-01 Sample ID Number/Name 22191

Name of Site Bladen Co LF Collected By L. Rose ID# 100

Site Location US 701 Date Collected 4-27-94 Time 11:40

Agency: ___ Hazardous Waste ✓ Solid Waste ___ Superfund

Sample Type

Environmental	Concentrate	Comments
✓ Ground Water (1)	___ Solid (5)	MW-8
___ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

TCLP Compounds

Inorganic Compounds	Results(mg/l)
___ arsenic	
___ barium	
___ cadmium	
___ chromium	
___ lead	
___ mercury	
___ selenium	
___ silver	

JUN 1994 Received Solid Waste Section

Organic Chemistry

Parameter	Results (mg/l)
___ P&T:GC/MS	
___ Acid:B/N Ext.	
___ 2,4-D	
___ 2,4,5-TP(Silvex)	
___ chlordane	
___ heptachlor	
___ hexachlorobenzene	
___ hexachlorobutadiene	
___ endrin	
___ lindane	
___ methoxychlor	
___ toxaphene	

Inorganic Chemistry

Parameter	Results(mg/l)~~(mg/kg)~~
___ antimony	
___ arsenic	
___ barium	
___ beryllium	
✓ cadmium	<0.002
___ chloride	
___ chromium	
___ cobalt	
___ copper	
___ fluoride	
___ iron	
___ lead	
___ manganese	
___ mercury	
___ nickel	
___ nitrate	
___ selenium	
___ silver	
___ sulfates	
___ thallium	
___ vanadium	
___ zinc	
___ pH	
___ conductivity	
___ TDS	
___ flash point	

Organic Compounds	Results(mg/l)
___ benzene	
___ carbon tetrachloride	
___ chlordane	
___ chlorobenzene	
___ chloroform	
___ o-cresol	
___ m-cresol	
___ p-cresol	
___ cresol	
___ 1,4-dichlorobenzene	
___ 1,2-dichloroethane	
___ 1,1-dichloroethylene	
___ 2,4-dichloroethylene	
___ heptachlor	
___ hexachlorobenzene	
___ hexachlorobutadiene	
___ hexachloroethane	
___ methyl ethyl ketone	
___ nitrobenzene	
___ pentachlorophenol	
___ pyridine	
___ tetrachloroethylene	
___ trichloroethylene	
___ 2,4,5-trichlorophenol	
___ 2,4,6-trichlorophenol	
___ vinyl chloride	
___ endrin	
___ lindane	
___ methoxychlor	
___ toxaphene	
___ 2,4-D	
___ 2,4,5-TP (Silvex)	

FOR LAB USE ONLY

Date Received ___

Date Extracted ___

Date Analyzed ___

Reported By ___

Date Reported 20 June 94

Lab Number 007554 APR 29 94

DHS 3191 (Revised 12/93)

NC Department of Environment, Health, & Natural Resources
Solid Waste Management Division

SAMPLE ANALYSIS REQUEST

State Laboratory of Public Health
P.O. Box 28047, 306 N. Wilmington St.
Raleigh, North Carolina 27611-8047

Site Number 09-01 Sample ID Number/Name 22192

Name of Site Bladen Co LF Collected By L. Rose ID# 100

Site Location US 701 Date Collected 4-27-94 Time 11:25

Agency: ___ Hazardous Waste ✓ Solid Waste ___ Superfund

Sample Type

Environmental	Concentrate	Comments
___ Ground Water (1)	___ Solid (5)	Upstream - Tributary
✓ Surface Water (2)	___ Liquid (6)	near MW-8
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

TCLP Compounds

Inorganic Compounds	Results(mg/l)
___ arsenic	
___ barium	
___ cadmium	
___ chromium	
___ lead	
___ mercury	
___ selenium	
___ silver	
___	
___	
___	
___	

Organic Chemistry

Parameter	Results (mg/l)
___ P&T:GC/MS	
___ Acid:B/N Ext.	
___ 2,4-D	
___ 2,4,5-TP(Silvex)	
___ chlordane	
___ heptachlor	
___ hexachlorobenzene	
___ hexachlorobutadiene	
___ endrin	
___ lindane	
___ methoxychlor	
___ toxaphene	
___	
___	
___	
___	

Inorganic Chemistry

Parameter	Results(mg/l) ~~(mg/kg)~~
___ antimony	
___ arsenic	
___ barium	
___ beryllium	
✓ cadmium	<0.002
___ chloride	
___ chromium	
___ cobalt	
___ copper	
___ fluoride	
___ iron	
___ lead	
___ manganese	
___ mercury	
___ nickel	
___ nitrate	
___ selenium	
___ silver	
___ sulfates	
___ thallium	
___ vanadium	
___ zinc	
___ pH	
___ conductivity	
___ TDS	
___ flash point	
___	
___	
___	
___	
___	
___	

Organic Compounds	Results(mg/l)
___ benzene	
___ carbon tetrachloride	
___ chlordane	
___ chlorobenzene	
___ chloroform	
___ o-cresol	
___ m-cresol	
___ p-cresol	
___ cresol	
___ 1,4-dichlorobenzene	
___ 1,2-dichloroethane	
___ 1,1-dichloroethylene	
___ 2,4-dichloroethylene	
___ heptachlor	
___ hexachlorobenzene	
___ hexachlorobutadiene	
___ hexachloroethane	
___ methyl ethyl ketone	
___ nitrobenzene	
___ pentachlorophenol	
___ pyridine	
___ tetrachloroethylene	
___ trichloroethylene	
___ 2,4,5-trichlorophenol	
___ 2,4,6-trichlorophenol	
___ vinyl chloride	
___ endrin	
___ lindane	
___ methoxychlor	
___ toxaphene	
___ 2,4-D	
___ 2,4,5-TP (Silvex)	

FOR LAB USE ONLY

Date Received ___

Date Extracted ___

Date Analyzed ___

Reported By ___

Date Reported ___

Lab Number 007555 APR 29 94

DHS 3191 (Revised 12/93)

NC Department of Environment, Health, & Natural Resources
Solid Waste Management Division

SAMPLE ANALYSIS REQUEST

State Laboratory of Public Health
P.O. Box 28047, 306 N. Wilmington St.
Raleigh, North Carolina 27611-8047

Site Number: 09-01 Sample ID Number/Name: 22193

Name of Site: Bladen Co LF Collected By: L. Rose ID#: 100

Site Location: US 701 Date Collected: 4-27-94 Time: 11:15

Agency: ___ Hazardous Waste ✓ Solid Waste ___ Superfund

Sample Type

Environmental	Concentrate	Comments
___ Ground Water (1)	___ Solid (5)	Downstream - tributary
✓ Surface Water (2)	___ Liquid (6)	below MW-8
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

TCLP Compounds

Inorganic Compounds	Results(mg/l)
___ arsenic	
___ barium	
___ cadmium	
___ chromium	
___ lead	
___ mercury	
___ selenium	
___ silver	

Organic Chemistry

Parameter	Results (mg/l)
___ P&T:GC/MS	
___ Acid:B/N Ext.	
___ 2,4-D	
___ 2,4,5-TP(Silvex)	
___ chlordane	
___ heptachlor	
___ hexachlorobenzene	
___ hexachlorobutadiene	
___ endrin	
___ lindane	
___ methoxychlor	
___ toxaphene	

Inorganic Chemistry

Parameter	Results(mg/l) ~~(mg/kg)~~
___ antimony	
___ arsenic	
___ barium	
___ beryllium	
✓ cadmium	0.016
___ chloride	
___ chromium	
___ cobalt	
___ copper	
___ fluoride	
___ iron	
___ lead	
___ manganese	
___ mercury	
___ nickel	
___ nitrate	
___ selenium	
___ silver	
___ sulfates	
___ thallium	
___ vanadium	
___ zinc	
___ pH	
___ conductivity	
___ TDS	
___ flash point	

Organic Compounds	Results(mg/l)
___ benzene	
___ carbon tetrachloride	
___ chlordane	
___ chlorobenzene	
___ chloroform	
___ o-cresol	
___ m-cresol	
___ p-cresol	
___ cresol	
___ 1,4-dichlorobenzene	
___ 1,2-dichloroethane	
___ 1,1-dichloroethylene	
___ 2,4-dichloroethylene	
___ heptachlor	
___ hexachlorobenzene	
___ hexachlorobutadiene	
___ hexachloroethane	
___ methyl ethyl ketone	
___ nitrobenzene	
___ pentachlorophenol	
___ pyridine	
___ tetrachloroethylene	
___ trichloroethylene	
___ 2,4,5-trichlorophenol	
___ 2,4,6-trichlorophenol	
___ vinyl chloride	
___ endrin	
___ lindane	
___ methoxychlor	
___ toxaphene	
___ 2,4-D	
___ 2,4,5-TP (Silvex)	

FOR LAB USE ONLY

Date Received: ___

Date Extracted: ___

Date Analyzed: ___

Reported By: ___

Date Reported: ___

Lab Number: 007556 APR 29 94

DHS 3191 (Revised 12/93)

NC-DEHNR
Division of Solid Waste Management
☐ Superfund Section
☐ Hazardous Waste Section
☑ Solid Waste Section

Organics Lab: _____
Inorganics Lab: ✓

SOLID WASTE SECTION
MAR 03 1994

CHAIN OF CUSTODY RECORD

Project Name: Bladen Co. LF
Site ID # (NCD#) 09-01
Location: Elizabethtown
Address: US 701

Sampled by: P. Dexter
Sampler ID 048
Telephone: ( ) 733-0692
Date Sampled: 1-3-94
Time Sampled: 12:15

Sample Types: Soil _____ Water ✓ Waste _____ Other _____

Remarks: MW-8 - To be tested for Cadmium only.

Field Sample Numbers: 20254

Relinquished by: S.M. Poindexter (Signature) Date: 1-4-94 Time: 8:00

Received by: Paul J. Chillers (Signature) Date: 1-4-94 Time: 8:00 Am

Relinquished by: _____ (Signature) Date: _____ Time: _____

Received by: _____ (Signature) Date: _____ Time: _____

Relinquished by: _____ (Signature) Date: _____ Time: _____

Received by: _____ (Signature) Date: _____ Time: _____

Results Reported: [illegible] Walker (Signature) Date: 2 Mar 94 Time: _____

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N. C. Department of Human Resources
Division of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Hea
P. O. Box 280
306 N. Wilmington Str
Raleigh, 276

Site Number 09-01 Field Sample Number 20254
Name of Site Bladen Co. LF Site Location US 701
Collected By Poindexter ID# 048 Date Collected 1-3-94 Time 12:15

Type of Sample:

Environmental	Concentrate	Comments
✓ Groundwater (1)	___ Solid (5)	MW-8
___ Surface Water (2)	___ Liquid (6)	
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	

INORGANIC CHEMISTRY

Extractables		Total			
Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ Arsenic		___ Arsenic		___ Silver	
___ Barium		___ Barium		___ Sulfates	
___ Cadmium		✓ Cadmium	0.048	___ Zinc	
___ Chromium		___ Chloride		___ Ph	
___ Lead		___ Chromium		___ Conductivity	
___ Mercury		___ Copper		___ TDS	
___ Selenium		___ Fluoride		___ TOC	
___ Silver		___ Iron		___	
___		___ Lead		___	
___		___ Manganese		___	
___		___ Mercury		___	
___		___ Nitrate		___	
___		___ Selenium		___	

ORGANIC CHEMISTRY

Parameter	Results mg/1	Parameter	Results mg/1	Parameter	Results mg/1
___ P&T:GC/MS		___ EDB		___ Methoxychlor	
___ Acid:B/N Ext.		___ PCB's		___ Toxaphene	
___ TOX		___ Petroleum		___ 2,4-D	
___		___ Endrin		___ 2,4,5-TP (silvex)	
___		___ Lindane		___	

MICROBIOLOGY

Parameter
___ (MF) Coliform Colonies/100mls
___ (MPN) Coliform Colonies/100mls
___
___

RADIOCHEMISTRY

Parameter	Results PCi/1
___ Gross Alpha	
___ Gross Beta	
___	
___	

Date Received ___ Date Reported ___
Date Extracted ___ Date Analyzed ___
Reported By ___ Lab Number 000124 JAN 494

DHS 3191 (Revised 7/85)
Solid and Hazardous Waste (Review 7/87)