Inc/Perm/Co ID #	Date	Inc ID#
W	05/12/87	DIN

C. Department of Human Resources
vision of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

RECEIVED MAY 12 1987 SOLID & HAZARDOUS WASTE MANAGEMENT BRANCH

e Number 5000000000 Field Sample Number 6214
me of Site Jackson Co. F Site Location Old Dillsboro Rd
llected By Byrd, Will ID# 5,57 Date Collected 4-22-87 Time 11:30

pe of Sample:

Environmental	Concentrate	Comments
X Groundwater (1)	___ Solid (5)	W-1
___ 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	<0.01	✓ Silver	<0.05
___ Barium		✓ Barium	1.6	✓ Sulfates	<3
___ Cadmium		✓ Cadmium	<0.005	✓ Zinc	0.08
___ Chromium		✓ Chloride	interference	✓ Ph	6.2
___ Lead		✓ Chromium	<0.01	✓ Conductivity	88 µmhos
___ Mercury		✓ Copper	<0.05	✓ TDS	64
___ Selenium		✓ Fluoride	<0.10	✓ TOC	8
___ Silver		✓ Iron	18.90		
		✓ Lead	<0.03		
		✓ Manganese	3.97		
		✓ Mercury	<0.0002		
		✓ Nitrate	<1.00		
		✓ Selenium	<0.005		

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	

ite Received ___ Date Reported 5/7/87
ite Extracted ___ Date Analyzed ___
ported By ___ Lab Number 008467 APR 24 87

IS 3191 (Revised 7/85)
id and Hazardous Waste (Review 7/87)

. C. Department of Human Resources
ivision of Health Services

SAMPLE ANALYSES REQUEST

RECEIVED MAY 5 1987 HAZARDOUS WASTE MANAGEMENT BRANCH

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

ite Number 50 00000000 2 Field Sample Number

lame of Site Jackson Co. LF Site Location Old Dillsboro Rd.

ollected By Burd, Will ID# 56, 57 Date Collected 4-22-87 Time 11:15

ype of Sample:

Environmental	Concentrate	Comments
X Groundwater (1)	Solid (5)	W-2
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	<0.01	✓ Silver	<0.05
Barium		✓ Barium	<0.1	✓ Sulfates	<3
Cadmium		✓ Cadmium	<0.005	✓ Zinc	<0.05
Chromium		✓ Chloride	interference	✓ Ph	3.6
Lead		✓ Chromium	<0.01	✓ Conductivity	30.5 µmhos
Mercury		✓ Copper	<0.05	✓ TDS	28
Selenium		✓ Fluoride	<0.10	✓ TOC	7
Silver		✓ Iron	1.86		
		✓ Lead	<0.03		
		✓ Manganese	0.12		
		✓ Mercury	<0.00002		
		✓ Nitrate	<1.00		
		✓ Selenium	<0.005		

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 4/30/87

Date Extracted

Date Analyzed

Reported By

Lab Number 008465 APR 24 87

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

. C. Department of Human Resources
ivision of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

te Number 5000000002 Field Sample Number 4211
ame of Site Jackson Co. LF Site Location Old Dillsboro Rd.
ollected By Byrd, Will ID# 56, 57 Date Collected 4/22/87 Time 11:15

ype of Sample:

Environmental	Concentrate	Comments
X Groundwater (1)	Solid (5)	
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		Zinc	
Chromium		Chloride		Ph	
Lead		Chromium		Conductivity	
Mercury		Copper		TDS	
Selenium		Fluoride		TOC	
Silver		Hardness			
		Lead			
		Manganese			
		Mercury			
		Nitrate			
		Selenium			

RECEIVED AUG 3 1987 HAZARDOUS WASTE MANAGEMENT BRANCH

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 4-23-87 MW Date Reported 7-30-87
Date Extracted 5-11-87 KB JM LD Date Analyzed BNA 5-12-87 BLD PT 6-2-87 MW
Reported By John L. Real Lab Number 7-1222

#701222-701223

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

. C. Department of Human Resources
ivision of Health Services

SAMPLE ANALYSES REQUEST

State Laboratory of Public Health
P. O. Box 28047
306 N. Wilmington Street
Raleigh, 27611

ite Number 50000000002 Field Sample Number 4212
ame of Site Jackson Co. LF Site Location Old Dillsboro Rd
ollected By Byrd, Will ID# 56, 57 Date Collected 4/22/87 Time 11:30

ype of Sample:

Environmental	Concentrate	Comments
X Groundwater (1)	___ Solid (5)	
___ 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		___ 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 4-23-87 MW Date Reported
Date Extracted 5-12-87 BB VP Date Analyzed BNA 5-12-87 BB PT 6-2-87 MW
Reported By Lab Number 71223

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

N. C. DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH

Chain of Custody Record

Hazardous Waste Materials

ation of Sampling: ____Generator ____Transporter ____Treatment Facility
____Storage Facility ____Disposal Facility ✓ Landfill
____Other:

pany's Name Jackson County Landfill Telephone ( )

ress Old Dillsboro Road

lector's Name Thomas Will Telephone ( )
signature

e Sampled 4-22-87 Time Sampled 11:15 - 11:30

e of Process Generating Waste

ld Information

ld Sample No. 4211 4212

ain of Possession:

signature	title	inclusive dates
Thomas Will	Hydrogeologic tech	4-22/4-23
Nancy Ward	Chem. Analyst	4-23-87

sults reported

signature	title	date

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

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

ORGANIC CHEMICAL ANALYSIS

BASE/NEUTRAL AND ACID EXTRACTABLES	LAB NO	701222	701223				
	FIELD #	4211	4212				
COMPOUND	TYPE	(/)	(/)	( )	( )	( )	( )
	UNITS	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg
N-nitrosodimethylamine	10	U	U				
bis(2-chloroethyl)ether	↓	↓	↓				
2-chlorophenol							
phenol							
1,3-dichlorobenzene							
1,4-dichlorobenzene							
1,2-dichlorobenzene							
bis(2-chloroisopropyl)ether							
hexachloroethane							
N-nitroso-di-n-propylamine							
nitrobenzene							
isophorone							
2-nitrophenol							
2,4-dimethylphenol							
bis(2-chloroethoxy)methane							
2,4-dichlorophenol							
1,2,4-trichlorobenzene							
naphthalene							
hexachlorobutadiene							
4-chloro-m-cresol							
hexachlorocyclopentadiene							
2,4,6-trichlorophenol							
2-chloronaphthalene							
acenaphthylene							
dimethyl phthalate							
2,6-dinitrotoluene							
acenaphthene	↓						
2,4-dinitrophenol	50						
2,4-dinitrotoluene	10						
4-nitrophenol	50						
fluorene	10						
4-chlorophenylphenylether	10						
diethyl phthalate	10						
4,6-dinitro-o-cresol	50						
diphenylamine	50						
azobenzene	50						
4-bromophenylphenylether	10						
hexachlorobenzene	10						
pentachlorophenol	50						
phenanthrene	10						
anthracene	↓						
dibutyl phthalate							
fluoranthene							

MDL 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. The number is the Minimum Detection Limit. = MDL
NA - Not analyzed.
1/ - Tentative identification.
2/ - On NRDC List of Priority Pollutants.

N.C. Division of Health Services
DHS 3068-0 (4/86 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, N.C. 27611

ORGANIC CHEMICAL ANALYSIS

BASE/NEUTRAL AND ACID EXTRACTABLES	LAB NO	701222	701223				
	FIELD #	4211	4212				
COMPOUND	TYPE	(/)	(/)	( )	( )	( )	( )
	UNITS	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg
pyrene	10	U	U				
benzidine	50						
butyl benzyl phthalate	10						
benz(a)anthracene	10						
chrysene	10						
3,3-dichlorobenzidine	50						
bis(2-ethylhexyl)phthalate	10						
di-n-octyl phthalate	10						
benzo(b)fluoranthene	50						
benzo(k)fluoranthene							
benzo(a)pyrene							
indeno(1,2,3-cd)pyrene							
dibenzo(a,h)anthracene							
benzo(g,h,i)perylene							
aniline	50	U	U				
benzoic acid	50						
benzyl alcohol	10						
4-chloroaniline							
dibenzofuran							
2-methylnaphthalene							
2-methylphenol							
4-methylphenol							
2-nitroaniline	50						
3-nitroaniline							
4-nitroaniline							
2,4,5-trichlorophenol							
	MDL 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. The number is the Minimum Detection Limit. = MDL
NA - Not analyzed.
1/ - Tentative identification.
2/ - On NRDC List of Priority Pollutants.

N.C. Division of Health Services
DHS 3068-0 (4/86 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, N.C. 27611

ORGANIC CHEMICAL ANALYSIS

PURGEABLE COMPOUNDS	LAB NO	701222	701223				
	FIELD #						
COMPOUND	TYPE	(1)	(1)	( )	( )	( )	( )
	UNITS	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg	µg/l µg/kg
chloromethane	10	u	u				
bromomethane	10						
dichlorodifluoromethane	20						
vinyl chloride	10						
chloroethane	10						
methylene chloride	5 B		6 1/				
trichlorofluoromethane	20		u				
ethene, 1,1-dichloro	5						
ethane, 1,1-dichloro-							
1,2-trans-dichloroethene							
chloroform							
ethane, 1,2-dichloro-							
ethane, 1,1,1-trichloro-							
carbontetrachloride							
bromodichloromethane							
propane, 1,2-dichloro-							
1,3-trans-dichloropropene							
trichloroethylene							
chlorodibromomethane							
benzene							
ethane, 1,1,2-trichloro-							
1,3-cis-dichloropropene							
2-chloroethyl vinyl ether	10						
bromoform	5						
ethane, 1,1,2,2-tetrachloro-							
ethene, tetrachloro-							
toluene							
chlorobenzene							
ethylbenzene							
acetone	10	u	u				
2-butanone	10						
carbondisulfide	5						
2-hexanone	10						
4-methyl-2-pentanone	10						
styrene	5						
vinyl acetate	10						
xylenes (total)	5						
	MDL						
	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. The number is the Minimum Detection Limit.
NA - Not analyzed.
1/ - Tentative identification.
2/ - On NRDC List of Priority Pollutants.
B - Found in Background

N.C. Division of Health Services

DHS 3068-O (4/86 Laboratory)