Fac/Permit/Co ID # bc | Date 01 22 98 | DIN

ORGANIC

SAMPLE ANALYSIS REQUEST

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

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

Site Number _____ Sample ID Number/Name 17228

Name of Site Frank Wilkie Well Collected By M. Poindexter ID# 048

Site Location Near Jackson Co. Lf. Date Collected 12-30-97 Time 2:00 pm

Agency: ___ Hazardous Waste ___ Solid Waste ___ Superfund

Sample Type

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

JAN 1998 Received Solid Waste Section

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	
___ 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 1-02-98

Date Extracted BNA 1-5-98 KM

Date Analyzed PT 1-5-98 BNA 1-7-98 BR

Reported By John L. Nal

Date Reported 1/20/98

Lab Number 980003

DHS 3191 (Revised 12/93)

#980003-

(1)

STATE LABORATORY OF PUBLIC HEALTH
PO BOX 28047 - 306 N. WILMINGTON ST., RALEIGH, NC 27611

ORGANIC CHEMICAL ANALYSIS

PURGEABLE COMPOUNDS	LAB NO	980003					
	FIELD NO	17228					
COMPOUND	TYPE	(I)	( )	( )	( )	( )	( )
	MDL'S (ppb)	(ppb) ppm	ppb ppm	ppb ppm	ppb ppm	ppb ppm	ppb ppm
CHLOROMETHANE	20	U					
VINYL CHLORIDE	10						
BROMOMETHANE	20						
CHLOROETHANE	10						
TRICHLOROFLUOROMETHANE	10						
ACETONE	20						
1,1-DICHLOROETHENE	5						
IODOMETHANE							
METHYLENE CHLORIDE							
CARBON DISULFIDE							
TRANS-1,2-DICHLOROETHENE							
ACRYLONITRILE	20						
1,1-DICHLOROETHANE	5						
2-BUTANONE	20						
CIS-1,2-DICHLOROETHENE	5						
CHLOROFORM							
1,1,1-TRICHLOROETHANE							
CARBON TETRACHLORIDE							
BENZENE							
1,2-DICHLOROETHANE							
TRICHLOROETHENE							
1,2-DICHLOROPROPANE							
BROMODICHLOROMETHANE							

JAN 1998
Received
Solid Waste
Section

C - POSSIBLE LAB CONTAMINATION OR BACKGROUND.
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/ - COMPOUND RELIABLY DETECTABLE ONLY IN HIGH CONCENTRATIONS.
✓ - SAMPLE HIGHLY DILUTED. MDL'S DO NOT APPLY.

STATE LABORATORY OF PUBLIC HEALTH
PO BOX 28047 - 306 N. WILMINGTON ST., RALEIGH, NC 27611

ORGANIC CHEMICAL ANALYSIS

PURGEABLE COMPOUNDS	LAB NO	980003					
	FIELD NO	17228					
COMPOUND	TYPE	(1)	( )	( )	( )	( )	( )
	MDL's (ppb)	(ppb) ppm	ppb ppm	ppb ppm	ppb ppm	ppb ppm	ppb ppm
DIBROMOMETHANE	5	U					
4-METHYL-2-PENTANONE	10						
CIS-1,3-DICHLOROPROPENE	5						
TOLUENE							
TRANS-1,3-DICHLOROPROPENE							
1,1,2,2-TETRACHLOROETHANE							
1,1,2-TRICHLOROETHANE	✓						
2-HEXANONE	10						
TETRACHLOROETHENE	5						
DIBROMOCHLOROMETHANE							
ETHYLENE DIBROMIDE							
CHLOROBENZENE							
1,1,1,2-TETRACHLOROETHANE							
ETHYL BENZENE							
XYLENES							
STYRENE	✓						
BROMOFORM	10						
2/ TRANS-1,4-DICHLORO-2-BUTENE	80						
1,2,3-TRICHLOROPROPANE	5						
1,4-DICHLOROBENZENE							
1,2-DICHLOROBENZENE	✓						
1,2-DIBROMO-3-CHLOROPROPANE	20						
2/ VINYL ACETATE	200	✓					

JAN 1998
Received
Solid Waste
Section

C - POSSIBLE LAB CONTAMINATION OR BACKGROUND.
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/ - COMPOUND RELIABLY DETECTABLE ONLY IN HIGH CONCENTRATIONS.
✓ - SAMPLE HIGHLY DILUTED. MDL'S DO NOT APPLY.

(1)

STATE LABORATORY OF PUBLIC HEALTH

P.O. BOX 28047 - 306 N. WILMINGTON, ST., RALEIGH, N.C. 27611

ORGANIC CHEMICAL ANALYSIS

BASE/NEUTRAL AND ACID EXTRACTABLES	LAB NO	980003					
	FIELD #	17228					
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	10/330	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	50/1650						
2,4-dinitrotoluene	10/330						
4-nitrophenol	50/1650						
fluorene	10/330						
4-chlorophenylphenylether	↓						
diethyl phthalate							
4,6-dinitro-o-cresol	50/1650						
diphenylamine	10/330						
azobenzene	↓						
4-bromophenylphenylether							
hexachlorobenzene							
pentachlorophenol	50/1650						
phenanthrene	10/330						
anthracene	↓						
dibutyl phthalate							
fluoranthene		↓					

MDL
H_2O/SOIL

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.

Received Solid Waste Section

(2)

STATE LABORATORY OF PUBLIC HEALTH

P.O. BOX 28047 - 306 N. WILMINGTON, ST., RALEIGH, N.C. 27611

ORGANIC CHEMICAL ANALYSIS

BASE/NEUTRAL AND ACID EXTRACTABLES	LAB NO	980003					
	FIELD #	17228					
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	10/330	↓					
benzidine	50/1650						
butyl benzyl phthalate	10/330						
benz(a)anthracene							
chrysene							
3,3-dichlorobenzidine	50/1650						
bis(2-ethylhexyl)phthalate	10/330						
di-n-octyl phthalate	10/330						
benzo(b)fluoranthene	50/1650						
benzo(k)fluoranthene							
benzo(a)pyrene							
indeno(1,2,3-cd)pyrene							
dibenzo(a,h)anthracene							
benzo(g,h,i)perylene							
aniline	50/1650	↓					
benzoic acid							
benzyl alcohol							
4-chloroaniline							
dibenzofuran	10/330						
2-methylnaphthalene							
2-methylphenol							
4-methylphenol							
2-nitroaniline	50/1650						
3-nitroaniline							
4-nitroaniline							
2,4,5-trichlorophenol							

MDL

H_2O/501L

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.

Received Solid Waste Section

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

Organics Lab: ✓
Inorganics Lab: ____

JAN 1998 Received Solid Waste Section

CHAIN OF CUSTODY RECORD

Project Name: Frank Wilkie Well
Site ID # (NCD#) ____
Location: Near Jackson Co. Landfill
Address: Joe Wilkie Rd., Dillsboro

Sampled by: M. Poindexter
Sampler ID 048
Telephone: (919) 733-0692
Date Sampled: 12-30-97
Time Sampled: 2:00 pm

Sample Types: Soil ____ Water ✓ Waste ____ Other ____

Remarks: ____

Field Sample Numbers 17228

Relinquished by: S. M. Poindexter (Signature) Date: 1-2-98 Time: 9:35 am

Received by: John R. Neal (Signature) Date: 1-2-98 Time: 9:35 am

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

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

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

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

Results Reported: John R. Neal (Signature) Date: 1/20/98 Time: ____

(A:\COCR.FRM)

Inorganic

SAMPLE ANALYSIS REQUEST

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

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

Site Number _____ Sample ID Number/Name 020255

Name of Site FRANK Wilkie Well Collected By M. Poindexter ID# 048

Site Location Near Jackson Co. Lf. Date Collected 12-30-97 Time 2:00 pm

Agency: ___ Hazardous Waste ___ Solid Waste ___ Superfund

Sample Type

Environmental	Concentrate	Comments
✓ Ground Water (1)	___ Solid (5)	
___ 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	
___	
___	
___	
___	

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	<0.005
✓ arsenic	<0.01
✓ barium	<0.1
✓ beryllium	<0.003
✓ cadmium	<0.005
✓ chloride	<5
✓ chromium	<0.01
✓ cobalt	<0.01
✓ copper	<0.05
✓ fluoride	0.11
✓ iron	<0.05
✓ lead	<0.005
✓ manganese	<0.03
✓ mercury	<0.0005
✓ nickel	<0.01
✓ nitrate-N	<1.00
✓ selenium	<0.01
✓ silver	<0.05
✓ sulfates	<5
✓ thallium	<0.002
✓ vanadium	<0.05
✓ zinc	<0.05
✓ pH	7.4
✓ conductivity	50 µmhos
✓ TDS	40
___ 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 _____

000269 JAN 8 98

Lab Number _____

Received JAN 1998 Solid Waste Section

DHS 3191 (Revised 12/93)

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

Organics Lab: _____
Inorganics Lab: ✓

CHAIN OF CUSTODY RECORD

Project Name: Frank Wilkie Well
Site ID # (NCD#) _____
Location: Near Jackson Co. Landfill
Address: Joe Wilkie Rd., Dillsboro N.C.

Sampled by: M. Poindexter
Sampler ID 048
Telephone: (919) 733-0692
Date Sampled: 12-30-97
Time Sampled: 2:00 pm

Sample Types: Soil _____ Water ✓ Waste _____ Other _____

Remarks: _____

Field Sample Numbers 020255

Relinquished by: M. Poindexter (Signature) Date: 1-2-98 Time: 9:40 am

Received by: Johnetta B. Williams (Signature) Lab Tech Date: 1/2/98 Time: 10:40

Relinquished by: Johnetta B. Williams (Signature) Date: 1/8/98 Time: 1:30

Received by: Joyce Dawson (Signature) Date: 1/8/98 Time: 1:30

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

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

Results Reported: Paul J Childers (Signature) Date: 1/20/98 Time: 9:00 AM

JAN 1998 Received Solid Waste Section

(A:\COCR.FRM)