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Fac/Perm/Co ID #	Date	Doc ID#
bc	6/13/09	DIN

State of North Carolina
Department of Environment, Health, and Natural Resources
512 North Salisbury Street • Raleigh, North Carolina 27604

DIVISION OF SOLID WASTE MANAGEMENT

James B. Hunt, Jr., Governor — TELEPHONE: (919) 733-0692 — Jonathan B. Howes, Secretary

July 6, 1993

Mr. Charles Mashburn
County Manager, Alexander County
Administrative Bldg. 255 Liledoun Rd.
Taylorsville, N.C. 28681

Re: Implementation Of Subtitle 'D' Ground-water Monitoring Program

Dear Mr. Mashburn,

The purpose of this correspondence is to provide information and clarification on the changes in ground-water monitoring requirements for MSWLF facilities that remain in operation after October 9, 1993. The proposed North Carolina Solid Waste Management Rules reflect significant changes for ground-water monitoring based on requirements of the E.P.A. Subtitle D Rules.

Attachment A to this letter provides a summary of important dates and significant activities that must be accomplished in order to be in compliance with the new rules. Attachment B contrasts existing and proposed ground-water monitoring and assessment requirements based on changes in the rules. Because of significant increases in costs that will be incurred in order to operate a MSWLF under the new Subtitle D Rules, including financial assurance and increased costs for ground-water monitoring and assessment, you may wish to seriously consider closing your sanitary landfill prior to October 9,1993, when the new rules become effective.

Based on past ground-water monitoring data for the Alexander County landfill, there are already documented violations of North Carolina Groundwater Quality Standards at some of the detection monitoring wells. A copy of your most recent sampling analytical data is attached on which highlighting has been done for the Appendix I constituents that exceed the Groundwater Quality Standards. Therefore, when the new rules take effect, Alexander County will quickly be required to implement assessment monitoring for all Appendix II constituents. Since the Groundwater Quality Standards are also used in establishing the ground-water protection standards, you may also rapidly move into assessment of corrective action

alternatives based on a full-scale ground-water investigation to determine the nature and extent of contamination at the site.

If Alexander County chooses to continue to operate their MSWLF facility after October 9, 1993, then you need to begin planning and budgeting immediately for the activities outlined in Attachment A. A revised Water Quality Monitoring Plan must be submitted as part of the Transition Plan on or before April 9, 1994. All background sampling and related activities for the upgraded monitoring system must be completed and reported to the Division in order to demonstrate compliance with the new water quality monitoring requirements on or before October 9, 1994. As requested in the letter dated May 18, 1992, all private and public water supply wells within a half mile's radius of the landfill site should be identified and a map locating these wells should be submitted immediately. The nearest downstream surface water intake should also be identified and reported.

Please note that the goals and objectives for ground-water assessment monitoring and ground-water contamination investigations are the same under both the current and the proposed rules and shall be accomplished in a way that is protective of human health and the environment. However, current rules allow for greater flexibility in the assessment and investigation activities and the sample analytical costs could be substantially less using the constituent list required under current rules and policy as compared to analytical costs required by the new rules based on Subtitle D, which require sampling for the Appendix II list of constituents.

I hope this letter has been helpful in providing you more insight into the actions that will be required by Alexander County to maintain compliance with the water quality monitoring requirements of the Solid Waste Management Rules as we make the transition to the new rules growing out of the E.P.A. Subtitle D Regulations. If you have any questions or comments regarding this letter, please contact the Solid Waste Section at (919) 733-0692.

Sincerely,

Bobby Lutfy

Bobby Lutfy, Hydrogeologist

Solid Waste Section

cc: Anthony Foster

Attachments

ATTACHMENT A

Important dates and significant activities that must be accomplished in order to be in compliance with the new rules on ground-water monitoring at MSWLF facilities:

April 9, 1994: A Water Quality Monitoring Plan that fulfills the requirements of the new Solid Waste Management Rules must be submitted to the Division as part of the Transition Plan on or before April 9, 1994.

October 9, 1994: Compliance with the new ground-water monitoring requirements must be demonstrated to the Division on or before October 9, 1994. In order to demonstrate compliance, the MSWLF owner or operator must perform the following activities and provide documentation to the Division.

1. Upgrade the ground-water monitoring system so that it meets the criteria of the new rules for monitoring systems. Rule .1631

   (a) Monitoring wells shall be installed at the relevant point of compliance based upon the waste boundaries established on October 9, 1993. - Rule .1631(a)(2)

   (b) Monitoring wells shall be designed and constructed in accordance with the applicable North Carolina Well Construction Standards as codified in 15A NCAC 2C. - Rule .1631(b)

2. In order to accurately determine ground-water elevations for each monitoring well, the wells shall have been accurately surveyed by a North Carolina Registered Land Surveyor. - Rule .1632(d)(1)

3. In order to determine the rate of ground-water flow, the owner or operator shall provide data for hydraulic conductivity and porosity for the formation materials at each of the well locations. - Rule .1632(d)(2)

4. A minimum of four independent samples from each well (background and downgradient) shall be collected and analyzed for the Appendix I constituents during the first semiannual sampling event. - Rule .1633(b)

5. The owner or operator shall determine whether or not there is a statistically significant increase over background values for each parameter or constituent required in the particular ground-water monitoring program that applies to the MSWLF unit. - .1632(i)

ATTACHMENT B

Contrasts between the existing and proposed ground-water monitoring and assessment requirements based on changes in the Solid Waste Management Rules. All MSWLF units that are in operation on or after October 9, 1993, will be subject to the new rules.

EXISTING RULES	NEW RULES
Detection monitoring:	
Monitoring frequency: Semiannual monitoring	Monitoring frequency: Semiannual monitoring
Monitoring parameters: 23 landfill constituents	Monitoring parameters: Appendix I constituents
Data evaluation based on: N.C. Groundwater Quality Standards	Data evaluation based on: N.C. Groundwater Quality Standards and statistical increase over background levels
Post Closure Monitoring:	
Length of time: 5 years and reevaluate need for further monitoring	Length of time: 30 years and reevaluate need for further monitoring
Monitoring parameters: 23 landfill constituents & occasional VOCs	Monitoring parameters: Appendix I constituents
Data evaluation based on: N.C. Groundwater Quality Standards	Data evaluation based on: N.C. Groundwater Quality Standards and statistical increase over background levels
Assessment monitoring and ground-water investigations:	
Monitoring parameters: 23 landfill constituents, VOCs, semi-VOCs	Monitoring parameters: Appendix II constituents (213 constituents)
Data evaluation based on: N.C. Groundwater Quality Standards	Data evaluation based on: N.C. Groundwater Quality Standards and statistical increase over background levels
Greater flexibility	Flexibility more limited

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

Organic
SAMPLE ANALYSES REQUEST

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

SOLID WASTE SECTION
MAY 12 1993

Site Number 02-01 Field Sample Number 17137
Name of Site Alexander Co LF Site Location Sp 162a
Collected By Rose ID# 062 Date Collected 4-13-93 Time 11:20

Type of Sample:

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

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 4-14-93 SA Date Reported 5-10-93
Date Extracted 4-19-93 SA, WG, AA Date Analyzed BNA 4-19-93 BD PT 5-6-93 MW
Reported By John L. Neal Lab Number 930937

#930937- 930941

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

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

Organic
SAMPLE ANALYSES REQUEST

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

Site Number 02-01 Field Sample Number 17139
Name of Site Alexander Co LF Site Location SR 1620
Collected By Rose ID# 062 Date Collected 4-13-93 Time 2145

Type of Sample:

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

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 4-14-93 SA Date Reported
Date Extracted 4-19-93 SA, WG, AA Date Analyzed BNA 4-19-93 BQ PT 5-6-93 nw
Reported By Lab Number 930938

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

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

Organic
SAMPLE ANALYSES REQUEST

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

Site Number 02-01 Field Sample Number 17140
Name of Site Alexander Co LF Site Location SR 1620
Collected By Rose ID# 062 Date Collected 4-13-93 Time 1155

Type of Sample:

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

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	

Received 4-14-93 SA Date Reported
Extracted 4-19-93 SA, WG, AA Date Analyzed BNA 4-19-93 BD PT 5-6-93 nw
Reported By Lab Number 930939

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

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

Organic
SAMPLE ANALYSES REQUEST

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

Site Number 02-01 Field Sample Number 17141
Name of Site Alexander Co LF Site Location SR 1620
Collected By Rose ID# 062 Date Collected 4-13-93 Time 1:00

Type of Sample:

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

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	
___	
___	

Received 4-14-93 SA Date Reported
Extracted 4-19-93 SA, WG, AA Date Analyzed BRA 4-19-93 BD PT 5-6-93 nw
Sorted By Lab Number 930940

3191 (Revised 7/85)

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

Organic
SAMPLE ANALYSES REQUEST

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

Site Number 02-01 Field Sample Number 17142
Name of Site Alexander Co LF Site Location Sp. 1620
Collected By Ross ID# 062 Date Collected 4-13-93 Time 12:45

Type of Sample:

Environmental	Concentrate	Comments
___ Groundwater (1)	___ Solid (5)	Downstream - WS-2
✓ Surface Water (2)	___ Liquid (6)	- Spring coming from LF
___ Soil (3)	___ Sludge (7)	
___ Other (4)	___ Other (8)	Split Sample

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	

Received 4-14-93 SA Date Reported
Extracted 4-19-93 SA, WG, AA Date Analyzed BJA 4-20-93 BB PT 5-6-93 mw
Sorted By Lab Number 930941

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

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

MW-1 ORGANIC CHEMICAL ANALYSIS

BASE/NEUTRAL AND ACID EXTRACTABLES								
	LAB NO	930937	930938	930939	930940	930941		
	FIELD #	17137	17139	17140	17141	17142		
			MW-3	MW-4	US	Spring		
	TYPE	(1)	(1)	(1)	(2)	(2)	( )	
COMPOUND	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
-nitrosodimethylamine		10/330	u	u	u	u		
is(2-chloroethyl)ether								
-chlorophenol								
henol								
,3-dichlorobenzene								
,4-dichlorobenzene 1.4			10K u	10K u		10K u		
,2-dichlorobenzene								
is(2-chloroisopropyl)ether								
exachloroethane								
-nitroso-di-n-propylamine								
itrobenzene								
sophorone								
-nitrophenol								
,4-dimethylphenol								
is(2-chloroethoxy)methane								
,4-dichlorophenol								
,2,4-trichlorobenzene			10K u					
aphthalene 10								
exachlorobutadiene								
-chloro-m-cresol								
exachlorocyclopentadiene								
,4,6-trichlorophenol								
-chloronaphthalene								
cenaphthylene								
imethyl phthalate								
,6-dinitrotoluene								
cenaphthene								
,4-dinitrophenol		50/1650						
,4-dinitrotoluene		10/330						
-nitrophenol		50/1650						
luorene		10/330						
-chlorophenylphenylether					10K u	10K u		
iethyl phthalate 5000 (2L Draft)								
,6-dinitro-o-cresol		50/1650						
iphenylamine		10/330						
zobenzene								
-bromophenylphenylether								
exachlorobenzene								
entachlorophenol		50/1650						
henanthrene		10/330						
nthracene								
ibutyl phthalate 700 (2L Draft)								
luoranthene								

MDL
H_2O/SOIL

- Estimated value.
- Actual value is known to be less than value given.
- Actual value is known to be greater than value given.
- Material was analyzed for but not detected. The number is the Minimum Detection Limit. MDL
- Not analyzed.
- Tentative identification.
- On NRDC List of Priority Pollutants.

.C. Division of Health Services
HS 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

MW-1 ORGANIC CHEMICAL ANALYSIS MW-3 MW-4 US Spring

BASE/NEUTRAL AND ACID EXTRACTABLES	LAB NO	930937	930938	930939	930940	930941	
	FIELD #	17137	17139	17140	17141	17142	
	TYPE	(1)	(1)	(1)	(2)	(2)	( )
COMPOUND	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	U	U	U	U	U	
benzidine	50/1650						
butyl benzyl phthalate	10/330						
benz(a)anthracene							
chrysene							
3,3-dichlorobenzidine	50/1650						
bis(2-ethylhexyl)phthalate	10/330	10 (MP9)				10K	
di-n-octyl phthalate	10/330					U	
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	U	U	U	U	U	
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							
CAPROLACTAM		U	85	U	U	U	

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.

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		Background MW-1	MW-3	MW-4	"US"	Spring	
	LAB NO	930937	930938	930939	930940	930941	
	FIELD #	17137	17139	17140	17141	17142	
	TYPE	(1)	(1)	(1)	(2)	(2)	( )
COMPOUND	UNITS	ug/l ug/kg	ug/l ug/kg	ug/l ug/kg	ug/l ug/kg	ug/l ug/kg	ug/l ug/kg
oromethane	10 ppb	u	u				
romomethane							
hlorodifluoromethane							
yl chloride							trace
oroethane							u
hylene chloride 5	5 ppb	15	147				
ichlorofluoromethane		u	u				42
ene, 1,1-dichloro							u
ane, 1,1-dichloro- 5 (AP9)		19	132	17			
2-trans-dichloroethene		u	u	u			
loroform			2J				
ane, 1,2-dichloro- 0.38			trace				
hane, 1,1,1-trichloro-			u				
rbontetrachloride							
romodichloromethane	10 ppb		23				
oane, 1,2-dichloro- .56	5 ppb		u				
3-trans-dichloropropene			9				
ichloroethylene 2.8			u				2J
lorodibromomethane	10 ppb		14	2J			u
nzene 1	5 ppb	trace	u	u			
hane, 1,1,2-trichloro-		u					
3-cis-dichloropropene	10 ppb						
chloroethyl vinyl ether							
romoform							
hane, 1,1,2,2-tetrachloro-	5 ppb						
hene, tetrachloro-		trace	trace				trace
luene 1000		u	13	trace			u
lorobenzene			u	u			
hylbenzene							
					2J,B	2J,B	
etone 700 (22)	10 ppb	u	u	u	u	u	
butanone					trace B		
rbondisulfide	5 ppb		trace		u		
hexanone	10 ppb		u				
methyl-2-pentanone							
tyrene							
inyl acetate		1J	57	4J			14
xylenes (total) 400	5 ppb	0.7 u	8	12			
is-1,2-dichloroethene	10 ppb		124				
thyl ether 0							
	↑MDL↑						

- Estimated value.
- Actual value is known to be less than value given.
- Actual value is known to be greater than value given.
- Material was analyzed for but not detected. The number is the Minimum Detection Limit. = MDL

A - Not analyzed.
/ - Tentative identification.
/ - On NRDC List of Priority Pollutants.
3 - present in lab blank
N.C. Division of Health Services