1762IHSSF1119

DocumentID	NONCD0002812
Site Name	RANDALLS FERRY RD SUPPLY WELLS
DocumentType	Correspondence (C)
RptSegment	1
DocDate	9/17/1993
DocRcvd	2/20/2007
Box	SF1119
AccessLevel	PUBLIC
Division	WASTE MANAGEMENT
Section	SUPERFUND
Program	IHS (IHS)
DocCat	FACILITY

State of North Carolina
Department of Environment,
Health and Natural Resources
Mooresville Regional Office

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
Vivian Burke, Regional Manager

DEHNR

DIVISION OF ENVIRONMENTAL MANAGEMENT

September 17, 1993

O. R. Stephenson
17618 Randalls Ferry Road
Norwood, North Carolina 28128

RE: Well Water Sample Results
Stephenson Well
Stanly County, N.C.

Dear Mr. Stephenson:

On August 17, 1993 staff from the Mooresville Regional Office of the North Carolina Division of Environmental Management sampled your well at 17618 Randalls Ferry Road. The samples were analyzed for volatile organic compounds. Volatile organic compounds include a wide range of manmade compounds including, but not limited to, gasoline components and chlorinated solvents used as degreasers.

Laboratory results from these samples indicate at the time of sampling that a volatile organic compound, 1,1,1-trichloroethane was present in your water supply at 0.51 parts per billion (ppb). This level does not exceed the EPA Drinking Water Standard of 200 ppb. The presence of this compound is often associated with installation of new piping and is expected to diminish with time. A copy of the laboratory results are attached for your review.

Should you have questions, please call me at (704) 663-1699, ext. 234.

Sincerely,

Karen Walker

Karen Walker
Hydrogeological Technician II

KDW/ds

Enclosure: Lab Results
cc: Stanly County Health Department

919 North Main Street, Mooresville, North Carolina 28115 Telephone 704-663-1699 FAX 704-663-6040
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COUNTY Stanly
QUAD NO. Q57v4 SERIAL NO. ____
LAT. 35°15'46" LONG. 80°06'07"

North Carolina
Department of Environment, Health, and Natural Resources
Division of Environmental Management
Groundwater Field/Lab Form

N. C. DEPT. OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT
SEP 0 9 1993

LAB NUMBER # 3G1356
DATE RECEIVED 8-18-93 Time 9:00
Rec'd by: DS From: Bus Courier
Other ____

CHAIN OF CUSTODY

SAMPLE PRIORITY
☐ ROUTINE ☒ EMERGENCY

DIVISION OF ENVIRONMENTAL MANAGEMENT
MOORESVILLE REGIONAL OFFICE

DATA ENTRY BY: 9/1 CK DS
DATE REPORTED: 9/3/93

Report to: ARO, FRO, MRO, RRO, WaRO, WiRO, WSRO, Kinston FO Other ____
Shipped by: Bus, Courier, Other ____
COLLECTOR(S): Karen Walker DATE 8/17/93 TIME 11:50am PURPOSE: BASELINE, COMPLAINT, COMPLIANCE, LUST, OTHER ____ (circle one)

FIELD ANALYSES

pH_{400} ____ Spec. Cond.$_{94}$ ____ at 25°C
Temp.$_{10}$ ____ °C Odor none
Appearance Clear Taste n/a
Field Analysis By: Karen Walker

Owner Buddy Stephenson
Location or site 17618 Barretts Ferry Road
Description of sampling point hose bibb at kitchen sink
Sampling Method ____ (pump, bailer, etc.) Sample Interval ≈ 160'
Remarks Sampled after pumping well ≈ 10 min. (pumping time, air temp, etc.)

LABORATORY ANALYSES

	BOD_5 310	mg/l
	COD High 340	mg/l
	COD Low 335	mg/l
	Coliform:MF Fecal 31616	/100ml
	Coliform:MF Total 31504	/100ml
	TOC 680	mg/l
	Turbidity 76	NTU
	pH 403	units
	Alkalinity to pH 4.5 410	mg/l
	Alkalinity to pH 8.3 415	mg/l
	Carbonate 445	mg/l
	Bicarbonate 440	mg/l
	Arsenic:Total 1002	ug/l
	Carbon dioxide 405	mg/l
	Chloride 940	mg/l
	Chromium:Hex 1032	ug/l
	Color:True 80	Pt-Co
	Cyanide 720	mg/l

	Diss. Solids 70300	mg/l
	Fluoride 951	mg/l
	Hardness:Total 900	mg/l
	Hardness (non-carb) 902	mg/l
	Phenols 32730	ug/l
	Specific Cond. 95	uMhos/cm²
	Sulfate 945	mg/l
	Sulfide 745	mg/l
	NH_3 as N 610	mg/l
	TKN as N 625	mg/l
	$NO_2 + NO_3$ as N 630	mg/l
	P:Total as P 665	mg/l

	Ag - Silver 1077	ug/l
	Al - Aluminum 1105	ug/l
	Ba - Barium 1007	ug/l
	Ca - Calcium 916	mg/l
	Cd - Cadmium 1027	ug/l
	Chromium:Total 1034	ug/l
	Cu - Copper 1042	ug/l
	Fe - Iron 1045	ug/l
	Hg - Mercury 71900	ug/l
	K - Potassium 937	mg/l
	Mg - Magnesium 927	mg/l
	Mn - Manganese 1055	ug/l
	Na - Sodium 929	mg/l
	Ni - Nickel 1067	ug/l
	Pb - Lead 1051	ug/l
	Se - Selenium 1147	ug/l
	Zn - Zinc 1092	ug/l

	Organochlorine Pesticides
	Organophosphorus Pesticides
	Acid Herbicides
	Base / Neutral Extractable Organics
	Acid Extractable Organics
✓	Purgeable Organics (VOA bottle)
	1,2 - Dibromoethane (EDB)

Lab Comments: ____

GW-54 REV. 9/90

For Dissolved Analysis - submit filtered sample and write "F" in block

BHNR/DEM LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 3G1356

REPORTED BY
CHECKED BY
REVIEWED BY

SUPERVISOR
DATE 9/9/93
ENTERED BY
CHECKED BY

SAMPLE TYPE: WATER

ANALYSIS RESULTS

CAS#	VOA TARGET COMPOUND	TQL ug/l	DETECTED ug/l	
75-35-4	1,1-Dichloroethene	0.75		U
75-09-2	Methylene Chloride	0.25		U
156-60-5	trans-1,2-Dichloroethene	0.75		U
75-34-3	1,1-Dichloroethane	0.25		U
590-20-7	2,2-Dichloropropane	0.25		U
156-59-4	cis-1,2-Dichloroethene	0.25		U
67-66-3	Chloroform	0.25		U
74-97-5	Bromochloromethane	0.75		U
71-55-6	1,1,1-Trichloroethane	0.25	0.51	
563-58-6	1,1-Dichloropropene	0.25		U
56-23-5	Carbon Tetrachloride	0.75		U
107-06-2	1,2-Dichloroethane	0.25		U
79-01-6	Trichloroethene	0.25		U
78-87-5	1,2-Dichloropropane	0.25		U
75-27-4	Bromodichloromethane	0.25		U
74-95-3	Dibromomethane	1		U
10061-01-5	cis-1,3-Dichloropropene	0.25		U
10061-02-6	trans-1,3-Dichloropropene	0.25		U
79-00-5	1,1,2-Trichloroethane	0.25		U
127-18-4	Tetrachloroethene	0.25		U
142-28-9	1,3-Dichloropropane	0.25		U
124-48-1	Dibromochloromethane	0.75		U
106-93-4	1,2-Dibromoethane	1		U
108-90-7	Chlorobenzene	0.25		U
630-20-6	1,1,1,2-Tetrachloroethane	0.25		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.75		U

CAS#	VOA TARGET COMPOUND	TQL ug/l	DETECTED ug/l	
96-18-4	1,2,3-Trichloropropane	0.25		U
108-86-1	Bromobenzene	1		U
95-49-8	2-Chlorotoluene	0.25		U
106-43-4	4-Chlorotoluene	0.25		U
541-73-1	1,3-Dichlorobenzene	0.25		U
106-46-7	1,4-Dichlorobenzene	0.25		U
95-50-1	1,2-Dichlorobenzene	0.25		U
96-12-8	1,2-Dibromo-3-Chloropropane	1		U
120-82-1	1,2,4-Trichlorobenzene	0.25		U
87-68-3	Hexachlorobutadiene	0.25		U
87-61-6	1,2,3-Trichlorobenzene	0.75		U
1634-04-4	Methyl-tert-butyl ether	5		U
71-43-2	Benzene	1		U
108-88-3	Toluene	1		U
100-41-4	Ethyl benzene	1		U
108-38-3	m,p-Xylenes	2		U
95-47-6	o-Xylene	1		U
100-42-5	Styrene	1		U
98-82-8	Isopropylbenzene	1		U
103-65-1	n-Propylbenzene	1		U
108-67-8	1,3,5-Trimethylbenzene	1		U
98-06-6	tert-Butylbenzene	1		U
95-63-6	1,2,4-Trimethylbenzene	1		U
135-98-8	sec-Butylbenzene	1		U
99-87-6	p-isopropyltoluene	1		U
104-51-8	n-Butylbenzene	1		U
91-20-3	Naphthalene	1		U

TQL- Target Quantitation Limit- Subject to change due to instrument sensitivity
T- Tentatively Identified, not confirmed
E- Estimated Value
U- Samples analyzed for this compound but not detected
N- Sample not analyzed for this compound
D- Detected below quantitation limit
M- GC/MS Analysis performed

Other purgeables detected (up to 10 highest peaks) — Detected ug/l

NO VOLATILE ORGANIC COMPOUNDS DETECTED BY GC/PID.

COMMENTS:

State of North Carolina
Department of Environment,
Health and Natural Resources
Mooresville Regional Office

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
Vivian H. Burke, Regional Manager

DEHNR

DIVISION OF ENVIRONMENTAL MANAGEMENT

November 30, 1993

Buddy Floyd
17586 Randall's Ferry Road
Norwood, North Carolina 28128

RE: Health Risk Assessment
Buddy Floyd Well
Stanly County, N.C.

Dear Mr. Floyd:

Please find attached a copy of the Health Risk Assessment performed by Dr. Ken Rudo on your well located at 17586 Randall's Ferry Road, Norwood in Stanly County.

If you should have any questions, please do not hesitate to contact Dr. Rudo at (919) 733-3410 or me at (704) 663-1699, ext. 234.

Sincerely,

Karen Walker

Karen Walker
Hydrogeological Technician II

Attachment

cc: Stanly County Health Department

KDW/sc

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Groundwater

RECEIVED

NOV 10 1993

DIV. OF ENVIRONMENTAL HEALTH

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

Drinking Water Health Risk Evaluation
General

Stanly COUNTY

DATE 11/4/93 LABORATORY NUMBER 36/357

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

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

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

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

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

RECEIVED
NOV 15 1993
POLLUTION CONTROL BRANCH

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

( ) COMMENTS:

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

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

COUNTY Stanly
QUAD NO. Q57NE SERIAL NO.
LAT. 35°15'42" LONG. 80°06'04"

North Carolina
Department of Environment, Health, and Natural Resources
Division of Environmental Management
Groundwater Field/Lab Form

CHAIN OF CUSTODY

LAB NUMBER B 36135
DATE RECEIVED 8-18-93 Time 9.00
Rec'd by: DS From: Bus-Courier
Other
DATA ENTRY BY: JH CK: DS
DATE REPORTED: 9/3/93

Report to: ARO, FRO, MRO, RRO, WaRO, WiRO, WSRO, Kinston FO Other
Shipped by: Bus, Courier, Other
COLLECTOR(S): Karen Walker DATE 8/17/93 TIME 12:10pm PURPOSE: BASELINE, COMPLAINT, COMPLIANCE, LIS, OTHER (circle one)

SAMPLE PRIORITY
☐ ROUTINE ☒ EMERGENCY

RECEIVED
NOV 15 1993
POLLUTION CONTROL BRANCH

FIELD ANALYSES

pH_{400} ____ Spec. Cond.$_{94}$ ____ at 25°C
Temp.$_{10}$ ____ °C Odor none
Appearance clear Taste n/a
Field Analysis By: Karen Walker

Owner Buddy Floyd
Location or site 17586 Randalls Ferry Road
Description of sampling point hose bibb on back of house
Sampling Method (pump, bailer, etc.) Sample Interval
Remarks Pump had been running ≈ 10 hours. (pumping time, air temp, etc.)

LABORATORY ANALYSES

	BOD_5 310	mg/l
	COD High 340	mg/l
	COD Low 335	mg/l
	Coliform:MF Fecal 31616	/100ml
	Coliform:MF Total 31504	/100ml
	TOC 680	mg/l
	Turbidity 76	NTU
	pH 403	units
	Alkalinity to pH 4.5 410	mg/l
	Alkalinity to pH 8.3 415	mg/l
	Carbonate 445	mg/l
	Bicarbonate 440	mg/l
	Arsenic:Total 1002	ug/l
	Carbon dioxide 405	mg/l
	Chloride 940	mg/l
	Chromium:Hex 1032	ug/l
	Color:True 80	Pt-Co
	Cyanide 720	mg/l

	Diss. Solids 70300	mg/l
	Fluoride 951	mg/l
	Hardness:Total 900	mg/l
	Hardness (non-carb) 902	mg/l
	Phenols 32730	ug/l
	Specific Cond. 95	uMhos/cm²
	Sulfate 945	mg/l
	Sulfide 745	mg/l
	NH_3 as N 610	mg/l
	TKN as N 625	mg/l
	$NO_2 + NO_3$ as N 630	mg/l
	P:Total as P 665	mg/l

	Ag - Silver 1077	ug/l
	Al - Aluminum 1105	ug/l
	Ba - Barium 1007	ug/l
	Ca - Calcium 916	mg/l
	Cd - Cadmium 1027	ug/l
	Chromium:Total 1034	ug/l
	Cu - Copper 1042	ug/l
	Fe - Iron 1045	ug/l
	Hg - Mercury 71900	ug/l
	K - Potassium 937	mg/l
	Mg - Magnesium 927	mg/l
	Mn - Manganese 1055	ug/l
	Na - Sodium 929	mg/l
	Ni - Nickel 1067	ug/l
	Pb - Lead 1051	ug/l
	Se - Selenium 1147	ug/l
	Zn - Zinc 1092	ug/l

	Organochlorine Pesticides
	Organophosphorus Pesticides
✓	PCB's per Karen Walker 8/18/93 REK
	Acid Herdicides
✓	Base / Neutral Extractable Organics
✓	Acid Extractable Organics
✓	Purgeable Organics (VOA bottle)
	1,2 - Dibromoethane (EDB)
	P.8

Lab Comments:

GW-54 REV. 9/90

For Dissolved Analysis - submit filtered sample and write "F" in block
White Copy - Groundwater Central Office Yellow Copy - Regional Office Pink Copy - Central Files Goldenrod Copy - Lab

PESTICIDES ANALYTICAL REPORT

LABORATORY # 3G1357

REPORTED BY JH

CHECKED BY CUB

REVIEWED BY CUB

SUPERVISOR RZK 8/19/93

SAMPLE TYPE : WATER

LABORATORY # 3G1357

ENTERED BY JH

CHECKED BY DS

DATE _____

CHLORINATED PESTICIDES BY ELECTRON CAPTURE DETECTION

CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L	CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L
15972-60-8	ALACHLOR	0.10	N	7421-93-4	ENDRIN ALDEHYDE	0.05	N
309-00-2	ALDRIN	0.08	N	53494-70-5	ENDRIN KETONE	0.04	N
1912-24-9	ATRAZINE	0.75	N	2593-15-9	ETHAZOLE	0.03	N
319 84-6	BHC-ALPHA	0.02	N	76-44-8	HEPTACHLOR	0.02	N
319-85-7	BHC-BETA	0.03	N	1024-57-3	HEPTACHLOR EPOXIDE	0.01	N
319-86-8	BHC-DELTA	0.03	N	118-74-1	HEXACHLOROBENZENE	0.01	N
58-89-9	BHC-GAMMA (LINDANE)	0.01	N	121-75-5	MALATHION	0.08	N
57-74-9	CHLORDANE, TECHNICAL	0.30	N	72-43-5	METHOXYCHLOR, pp	0.05	N
5103-71-9	CHLORDANE-ALPHA	0.02	N	2385-85-5	MIREX	0.03	N
5103-74-2	CHLORDANE-GAMMA	0.03	N	39765-80-5	TRANS-NONACHLOR	0.02	N
3734-48-3	CHLORDENE	0.02	N	26880-48-8	OXYCHLORDANE	0.02	N
2675-77-6	CHLORONEB	0.03	N	52645-53-1	CIS-PERMETHRIN	0.50	N
501-15-6	CHLOROBENZILATE	5.00	N	52645-53-1	TRANS-PERMETHRIN	0.15	N
2921-88-2	CHLORTHALONIL	0.03	N	1918-16-7	PROPACHLOR	0.10	N
1897-45-6	DCPA	0.02	N	117-18-0	TECNAZENE	0.02	N
53-19-0	DDD, op	0.06	N	1582-09-8	TRIFLURALIN	0.03	N
72-54-8	DDD, pp	0.04	N	12674-11-2	AROCHLOR 1016	0.50	U
3424-82-6	DDE, op	0.02	N	11104-28-2	AROCHLOR 1221	0.50	U
72-55-9	DDE, pp	0.02	N	11141-16-5	AROCHLOR 1232	0.50	U
789-02-6	DDT, op	0.04	N	53469-21-9	AROCHLOR 1242	0.50	U
50-29-3	DDT, pp	0.06	N	12672-29-6	AROCHLOR 1248	0.50	U
60-57-1	DIELDRIN	0.02	N	11097-69-1	AROCHLOR 1254	0.50	U
959-98-9	ENDOSULFAN I	0.03	N	11096-82-5	AROCHLOR 1260	0.50	U
33213-65-9	ENDOSULFAN II	0.01	N	37324-23-5	AROCHLOR 1262	0.50	U
1031-07-8	ENDOSULFAN SULFATE	0.02	N	8001-35-2	TOXAPHENE	1.5	N
72-20-8	ENDRIN	0.03	N				
					UNIDENTIFIED PEAKS DETECTED		0

ACID HERBICIDES BY ELECTRON CAPTURE DETECTION

CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L	CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L
50594-66-6	ACIFLUORFEN	0.50	N	88-85-7	DINOSEB	0.40	N
25057-89-0	BENTAZON	5.00	N	7600-50-2	5-HYDROXYDICAMBA	2.00	N
133-90-4	CHLORAMBEN	0.50	N	100-02-7	4-NITROPHENOL	4.00	N
94-75-7	2,4-D	1.00	N	87-86-5	PENTACHLOROPHENOL	0.30	N
94-82-6	2,4-DB	5.0	N	1918-02-1	PICLORAM	1.00	N
	DCPA (ACID METABOLITES)	0.36	N	93-76-5	2,4,5-T	0.75	N
1918-00-9	DICAMBA	0.75	N	93-72-1	2,4,5-TP	1.50	N
51-36-5	3,5 DICHLOROBENZOIC ACID	1.00	N				
120-36-5	DICHLORPROP	8.50	N				
					UNIDENTIFIED PEAKS DETECTED		N

ORGANOPHOSPHATE PESTICIDES BY FLAME PHOTOMETRIC DETECTION

CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L	CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L
786-19-6	CARBOPHENOTHION	1.0	N	115-90-2	FENSULFOTHION	10.0	N
2921-88-2	CHLORPYRIFOS	2.0	N	150-50-5	FOLEX	2.0	N
50-29-3	DDE	2.5	N	6923-22-4	MEVINPHOS	1.86	N
298-03-3	DEMETON	2.5	N	300-76-5	MONOCROTOPHOS	10.0	N
333-41-5	DIAZINON	0.8	N	56-38-2	NALED	4.0	N
62-73-7	DICHLORVOS	2.13	N	298-00-0	PARATHION, ETHYL	0.65	N
60-51-5	DIMETHOATE	3.5	N	298-02-2	PARATHION, METHYL	1.5	N
298-04-4	DISULFOTON	1.02	N	299-84-3	PHORATE	1.5	N
2497-06-5	DISULFOTON SULFONE	2.28	N	3689-24-5	RONNEL	0.75	N
2497-07-6	DISULFOTON SULFOXIDE	NE	N	13071-74-9	SULFOTEPP	0.25	N
2104-64-5	EPN	4.0	N	7786-34-7	TERBUFOS	1.11	N
563-12-2	ETHION	1.3	N				
13194-48-4	ETHOPROP	2.0	N				
55-38-9	FENTHION	2.0	N				
					UNIDENTIFIED PEAKS DETECTED		N

NITROGEN PESTICIDES BY HALL DETECTION

CAS NO.	PESTICIDES	TQL UG/L	DETECTED UG/L	CAS NO.	PESTICIDES	TQL UG/L	DETECTED UG/L
15972-60-8	ALACHLOR	2.6	N	113-48-4	MGK 264	2.7	N
834-12-8	AMETRYN	0.64	N	2212-67-1	MOLINATE	2.2	N
1912-24-9	ATRAZINE	0.38	N	15299-99-7	NAPROPAMIDE	2.8	N
314-40-9	BROMACIL	1.7	N	27314-13-2	NORFLURAZON	2.1	N
23184-66-9	BUTACHLOR	2.2	N	1114-71-2	PEBULATE	1.8	N
2008-41-5	BUTYLATE	1.9	N	1610-18-0	PROMETON	0.44	N
5234-68-5	CARBOXIN	2.8	N	7287-19-6	PROMETRYN	0.44	N
101-21-3	CHLOROPHAM	1.9	N	23950-58-5	PRONAMIDE	5.8	N
1134-23-2	CYCLOATE	1.8	N	139-40-2	PROPAZINE	0.54	N
2921-88-2	CHLORPYRIFOS	2.4	N	122-34-9	SIMAZINE	2.4	N
333-41-5	DIAZINON	1.3	N	1014-70-6	SIMETRYN	0.50	N
957-51-7	DIPHENAMID	2.2	N	34014-18-1	TEBUTHIURON	1.2	N
759-94-4	EPTC (EPTAM)	2.1	N	5902-51-2	TERBACIL	1.7	N
22224-92-6	FENAMIPHOS	3.7	N	886-50-0	TERBUTRYN	1.4	N
51235-04-2	HEXAZINONE	1.9	N	1929-77-7	VERNOLATE	0.66	N
51218-45-2	METOLACHLOR	2.8	N				
21087-64-9	METRIBUZIN	0.79	N				
					UNIDENTIFIED PEAKS DETECTED		N

D - DETECTED
TQL - TARGET QUANTITATION LIMIT
NE - NO ESTABLISHED TQL
E - ESTIMATED VALUE
U - SAMPLES ANALYZED FOR THIS COMPOUND BUT NOT DETECTED
N - SAMPLE NOT ANALYZED FOR THIS COMPOUND
T - TENTATIVALY IDENTIFIED BUT UNABLE TO CONFIRM

SEMIVOLATILE ORGANICS REPORT - DEM LAB

LAB NUMBER: 3G1357 SUPERVISOR REK LAB #: 3G1357
DATE : 8/26/93

REPORTED BY SM
CHECKED BY ebh ENTERED BY JH
REVIEWED BY PB CHECKED BY DS

SAMPLE TYPE: WATER DILUTION FACTOR : _____

CAS NUMBER	TQL X 1	ANALYTE NAME	CONC. UG/L
108-95-2	10	PHENOL	U
111-44-4	10	BIS(2-CHLOROETHYL) ETHER	U
95-57-8	10	2-CHLOROPHENOL	U
541-73-1	10	1,3-DICHLOROBENZENE	U
106-46-7	10	1,4-DICHLOROBENZENE	U
100-51-6	20	BENZYL ALCOHOL	U
95-50-1	10	1,2-DICHLOROBENZENE	U
95-48-7	10	2-METHYL PHENOL	U
108-60-1	10	BIS(2-CHLOROISOPROPYL) ETHER	U
106-44-5	10	4-METHYL PHENOL	U
621-64-7	10	N-NITROSO-DI-N-PROPYLAMINE	U
67-72-1	10	HEXACHLOROETHANE	U
98-95-3	10	NITROBENZENE	U
78-59-1	10	ISOPHORONE	U
88-75-5	10	2-NITRO PHENOL	U
105-67-9	10	2,4-DIMETHYL PHENOL	U
65-85-0	50	BENZOIC ACID	U
111-91-1	10	BIS(2-CHLOROETHOXY) METHANE	U
120-83-2	10	2,4-DICHLORO PHENOL	U
120-82-1	10	1,2,4-TRICHLOROBENZENE	U
91-20-3	10	NAPHTHALENE	U
106-47-8	20	4-CHLOROANILINE	U
87-68-3	10	HEXACHLOROBUTADIENE	U
59-50-7	20	4-CHLORO-3-METHYL PHENOL	U
91-57-6	10	2-METHYL NAPHTHALENE	U
77-47-4	10	HEXACHLOROCYCLOPENTADIENE	U
88-06-2	10	2,4,6-TRICHLORO PHENOL	U
95-95-4	10	2,4,5-TRICHLORO PHENOL	U
91-58-7	10	2-CHLORO NAPHTHALENE	U
88-74-4	50	2-NITROANALINE	U
131-11-3	10	DIMETHYL PHTHALATE	U
208-96-8	10	ACENAPHTHYLENE	U
606-20-2	10	2,6-DINITROTOLUENE	U
99-09-2	50	3-NITROANALINE	U
83-32-9	10	ACENAPHTHENE	U
51-28-5	50	2,4-DINITRO PHENOL	U
100-02-7	50	4-NITRO PHENOL	U
132-64-9	10	DIBENZOFURAN	U
121-14-2	10	2,4-DINITROTOLUENE	U
84-66-2	10	DIETHYL PHTHALATE	U
7005-72-3	10	4-CHLOROPHENYL PHENYL ETHER	U
86-73-7	10	FLUORENE	U
100-01-6	50	4-NITROANALINE	U
534-52-1	50	4,6-DINITRO-2-METHYL PHENOL	U

SEMIVOLATILE ORGANICS REPORT - DEM LAB

86-30-6	10	N-NITROSODIPHENYLAMINE	U
101-55-3	10	4-BROMOPHENYL PHENYL ETHER	U
118-74-1	10	HEXACHLOROBENZENE	U
87-86-5	50	PENTACHLORO PHENOL	U
85-01-8	10	PHENANTHRENE	U
120-12-7	10	ANTHRACENE	U
84-74-2	10	DI-N-BUTYL PHTHALATE	U
206-44-0	10	FLUORANTHENE	U
129-00-0	10	PYRENE	U
85-68-7	10	BUTYLBENZYL PHTHALATE	U
91-94-1	20	3,3'-DICHLOROBENZIDINE	U
56-55-3	10	BENZO(A)ANTHRACENE	U
218-01-9	10	CHRYSENE	U
117-81-7	10	BIS(2-ETHYLHEXYL) PHTHALATE	U
117-84-0	10	DI-N-OCTYL PHTHALATE	U
205-99-2	10	BENZO(B)FLUORANTHENE	U
207-08-9	10	BENZO(K)FLUORANTHENE	U
50-32-8	10	BENZO(A)PYRENE	U
193-39-5	10	INDENO(1,2,3-CD)PYRENE	U
53-70-3	10	DIBENZO(A,H)ANTHRACENE	U
191-24-2	10	BENZO(G,H,I)PERYLENE	U

OTHER SEMIVOLATILE ORGANICS FOR SAMPLE NUMBER : 3G1357

NO BASE/NEUTRAL OR ACID EXTRACTABLE ORGANICS DETECTED
BY GC/MS.

TQL= TARGET QUANTITATION LIMIT
T= TENTATIVELY IDENTIFIED ESTIMATED CONCENTRATION
E= ESTIMATED CONCENTRATION
U= COMPOUND ANALYZED FOR NOT DETECTED
N= COMPOUND NOT ANALYZED FOR
D= DETECTED BELOW QUANTITATION LIMIT
H= HOLDING TIME EXCEEDED
TQL SUBJECT TO CHANGE DUE TO INSTRUMENT SENSITIVITY

EHNR/DEM LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 3G1357

REPORTED BY
CHECKED BY
REVIEWED BY

SUPERVISOR RRK
DATE 9/3/93
ENTERED BY
CHECKED BY DS

SAMPLE TYPE: WATER

ANALYSIS RESULTS

CAS#	VOA TARGET COMPOUND	TQL ug/l	DETECTED ug/l
75-35-4	1,1-Dichloroethene	0.75	U
75-09-2	Methylene Chloride	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.75	U
75-34-3	1,1-Dichloroethane	0.25	U
590-20-7	2,2-Dichloropropane	0.25	U
156-59-4	cis-1,2-Dichloroethene	0.25	U
67-66-3	Chloroform	0.25	1.1
74-97-5	Bromochloromethane	0.75	U
71-55-6	1,1,1-Trichloroethane	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U
56-23-5	Carbon Tetrachloride	0.75	U
107-06-2	1,2-Dichloroethane	0.25	U
79-01-6	Trichloroethene	0.25	U
78-87-5	1,2-Dichloropropane	0.25	U
75-27-4	Bromodichloromethane	0.25	U
74-95-3	Dibromomethane	1	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U
127-18-4	Tetrachloroethene	0.25	U
142-28-9	1,3-Dichloropropane	0.25	U
124-48-1	Dibromochloromethane	0.75	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	0.25	U
630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
75-25-2	Bromoform	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.75	U

CAS#	VOA TARGET COMPOUND	TQL ug/l	DETECTED ug/l
96-18-4	1,2,3-Trichloropropane	0.25	U
108-86-1	Bromobenzene	1	U
95-49-8	2-Chlorotoluene	0.25	U
106-43-4	4-Chlorotoluene	0.25	U
541-73-1	1,3-Dichlorobenzene	0.25	U
106-46-7	1,4-Dichlorobenzene	0.25	U
95-50-1	1,2-Dichlorobenzene	0.25	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	0.25	U
87-68-3	Hexachlorobutadiene	0.25	U
87-61-6	1,2,3-Trichlorobenzene	0.75	U
1634-04-4	Methyl-tert-butyl ether	5	U
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethyl benzene	1	U
108-38-3	m,p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
98-82-8	Isopropylbenzene	1	U
103-65-1	n-Propylbenzene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
91-20-3	Naphthalene	1	U

TQL- Target Quantitation Limit- Subject to change due to instrument sensitivity
T- Tentatively Identified, not confirmed
E- Estimated Value
U- Samples analyzed for this compound but not detected
N- Sample not analyzed for this compound
D- Detected below quantitation limit
M- GC/MS Analysis performed

Other purgeables detected (up to 10 highest peaks) — Detected ug/l

NO VOLATILE ORGANIC COMPOUNDS DETECTED BY GC/PID.

COMMENTS:

State of North Carolina
Department of Environment,
Health and Natural Resources
Mooresville Regional Office

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
Vivian Burke, Regional Manager

DEHNR

DIVISION OF ENVIRONMENTAL MANAGEMENT

September 14, 1993

Buddy Floyd
17586 Randalls Ferry Road
Norwood, North Carolina 28128

RE: Well Water Sample Results
Buddy Floyd Well
Stanly County, N.C.

Dear Mr. Floyd:

On August 17, 1993, staff from the Mooresville Regional Office of the North Carolina Division of Environmental Management sampled your well at 17586 Randalls Ferry Road, Norwood, in Stanly County. The samples were analyzed for volatile and semi-volatile organic compounds. Volatile organic compounds include a wide range of manmade compounds including, but not limited to, gasoline components and chlorinated solvents used as degreasers. Examples of semi-volatile compounds include some of the components of diesel, kerosene, and new and used motor oil.

Laboratory results from these samples indicate at the time of sampling that chloroform was present at 1.1 ug/l. Chloroform is a common by-product of chlorination. It is frequently found in wells located in areas served by municipal water lines. The amount detected in your well is significantly below the EPA drinking water standard of 100 ug/l.

Should you have any question, please call me at (704) 663-1699, ext. 234.

Sincerely,

Karen Walker

Karen Walker
Hydrogeological Technician II

Enclosure: Lab Results

cc: Stanly County Health Department (with attachments)

KDW/sc

919 North Main Street, Mooresville, North Carolina 28115 Telephone 704-663-1699 FAX 704-663-6040
An Equal Opportunity Affirmative Action Employer 50% recycled/ 10% post-consumer paper

COUNTY Stanly
QUAD NO. Q57V5 SERIAL NO. _____
LAT. 35°15'42" LONG. 80°06'04"

North Carolina
Department of Environment, Health, and Natural Resources
Division of Environmental Management
Groundwater Field/Lab Form

N. C. DEPT. OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT
SEP 09 1993
DIVISION OF ENVIRONMENTAL MANAGEMENT MOORESVILLE REGIONAL OFFICE

LAB NUMBER # 361354
DATE RECEIVED 8-18-93 Time 9.00
Rec'd by: DS From: Bus-Courier
Other _____
DATA ENTRY BY: JH CK: DS
DATE REPORTED: 9/3/93

CHAIN OF CUSTODY

Report to: ARO, FRO, MRO, RRO, WaRO, WiRO, WSRO, Kinston FO Other _____
Shipped by: Bus, Courier, Other _____

SAMPLE PRIORITY
☐ ROUTINE ☒ EMERGENCY

COLLECTOR(S): Karen Walker DATE 8/17/93 TIME 12:10pm PURPOSE: BASELINE, COMPLAINT, COMPLIANCE, LUST, OTHER _____ (circle one)

FIELD ANALYSES

pH 400 _____ Spec. Cond. 94 _____ at 25°C
Temp. 10 _____ °C Odor none
Appearance Clear Taste n/a
Field Analysis By: Karen Walker

Owner Buddy Floyd
Location or site 17586 Randalls Ferry Road
Description of sampling point three tubs on back of house
Sampling Method _____ (pump, bailer, etc.) Sample Interval _____
Remarks _____ (pumping time, air temp, etc.)
Pump had been running ≈ 10 hours.

LABORATORY ANALYSES

	BOD_5 310	mg/l
	COD High 340	mg/l
	COD Low 335	mg/l
	Coliform:MF Fecal 31616	/100ml
	Coliform:MF Total 31504	/100ml
	TOC 680	mg/l
	Turbidity 76	NTU
	pH 403	units
	Alkalinity to pH 4.5 410	mg/l
	Alkalinity to pH 8.3 415	mg/l
	Carbonate 445	mg/l
	Bicarbonate 440	mg/l
	Arsenic:Total 1002	ug/l
	Carbon dioxide 405	mg/l
	Chloride 940	mg/l
	Chromium:Hex 1032	ug/l
	Color:True 80	Pt-Co
	Cyanide 720	mg/l

	Diss. Solids 70300	mg/l
	Fluoride 951	mg/l
	Hardness:Total 900	mg/l
	Hardness (non-carb) 902	mg/l
	Phenols 32730	ug/l
	Specific Cond. 95	uMhos/cm²
	Sulfate 945	mg/l
	Sulfide 745	mg/l
	NH_3 as N 610	mg/l
	TKN as N 625	mg/l
	$NO_2 + NO_3$ as N 630	mg/l
	P:Total as P 665	mg/l

	Ag - Silver 1077	ug/l
	Al - Aluminum 1105	ug/l
	Ba - Barium 1007	ug/l
	Ca - Calcium 916	mg/l
	Cd - Cadmium 1027	ug/l
	Chromium:Total 1034	ug/l
	Cu - Copper 1042	ug/l
	Fe - Iron 1045	ug/l
	Hg - Mercury 71900	ug/l
	K - Potassium 937	mg/l
	Mg - Magnesium 927	mg/l
	Mn - Manganese 1055	ug/l
	Na - Sodium 929	mg/l
	Ni - Nickel 1067	ug/l
	Pb - Lead 1051	ug/l
	Se - Selenium 1147	ug/l
	Zn - Zinc 1092	ug/l

	Organochlorine Pesticides
	Organophosphorus Pesticides
✓	PCB's per Karen Walker 8/18/93 REK
	Acid Herbicides
✓	Base / Neutral Extractable Organics
✓	Acid Extractable Organics
✓	Purgeable Organics (VOA bottle)
	1,2 - Dibromoethane (EDB)
	P.8 SV

Lab Comments: _____

GW-54 REV. 9/90 For Dissolved Analysis - submit filtered sample and write "D" in block

EHNR/DEM LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 3G1357

REPORTED BY
CHECKED BY
REVIEWED BY

SUPERVISOR REK
DATE 9/3/93
ENTERED BY
CHECKED BY DS

SAMPLE TYPE: WATER

ANALYSIS RESULTS

CAS#	VOA TARGET COMPOUND	TQL ug/l	DETECTED ug/l
75-35-4	1,1-Dichloroethene	0.75	U
75-09-2	Methylene Chloride	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.75	U
75-34-3	1,1-Dichloroethane	0.25	U
590-20-7	2,2-Dichloropropane	0.25	U
156-59-4	cis-1,2-Dichloroethene	0.25	U
67-66-3	Chloroform	0.25	1.1
74-97-5	Bromochloromethane	0.75	U
71-55-6	1,1,1-Trichloroethane	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U
56-23-5	Carbon Tetrachloride	0.75	U
107-06-2	1,2-Dichloroethane	0.25	U
79-01-6	Trichloroethene	0.25	U
78-87-5	1,2-Dichloropropane	0.25	U
75-27-4	Bromodichloromethane	0.25	U
74-95-3	Dibromomethane	1	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U
127-18-4	Tetrachloroethene	0.25	U
142-28-9	1,3-Dichloropropane	0.25	U
124-48-1	Dibromochloromethane	0.75	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	0.25	U
630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
75-25-2	Bromoform	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.75	U

CAS#	VOA TARGET COMPOUND	TQL ug/l	DETECTED ug/l
96-18-4	1,2,3-Trichloropropane	0.25	U
108-86-1	Bromobenzene	1	U
95-49-8	2-Chlorotoluene	0.25	U
106-43-4	4-Chlorotoluene	0.25	U
541-73-1	1,3-Dichlorobenzene	0.25	U
106-46-7	1,4-Dichlorobenzene	0.25	U
95-50-1	1,2-Dichlorobenzene	0.25	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	0.25	U
87-68-3	Hexachlorobutadiene	0.25	U
87-61-6	1,2,3-Trichlorobenzene	0.75	U
1634-04-4	Methyl-tert-butyl ether	5	U
71-43-2	Benzene	1	U
108-88-3	Toluene	1	U
100-41-4	Ethyl benzene	1	U
108-38-3	m,p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
98-82-8	Isopropylbenzene	1	U
103-65-1	n-Propylbenzene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-isopropyltoluene	1	U
104-51-8	n-Butylbenzene	1	U
91-20-3	Naphthalene	1	U

TQL- Target Quantitation Limit- Subject to change due to instrument sensitivity
T- Tentatively Identified, not confirmed
E- Estimated Value
U- Samples analyzed for this compound but not detected
N- Sample not analyzed for this compound
D- Detected below quantitation limit
M- GC/MS Analysis performed

Other purgeables detected (up to 10 highest peaks) — Detected ug/l

NO VOLATILE ORGANIC COMPOUNDS DETECTED BY GC/PID.

COMMENTS:

SEMIVOLATILE ORGANICS REPORT - DEM LAB

LAB NUMBER: 3G1357 SUPERVISOR REK LAB #: 3G1357
DATE : 8/26/93

REPORTED BY SM
CHECKED BY ebh ENTERED BY JH
REVIEWED BY PB CHECKED BY DS

SAMPLE TYPE: WATER DILUTION FACTOR : _____

CAS NUMBER	TQL X 1	ANALYTE NAME	CONC. UG/L
108-95-2	10	PHENOL	U
111-44-4	10	BIS(2-CHLOROETHYL) ETHER	U
95-57-8	10	2-CHLOROPHENOL	U
541-73-1	10	1,3-DICHLOROBENZENE	U
106-46-7	10	1,4-DICHLOROBENZENE	U
100-51-6	20	BENZYL ALCOHOL	U
95-50-1	10	1,2-DICHLOROBENZENE	U
95-48-7	10	2-METHYL PHENOL	U
108-60-1	10	BIS(2-CHLOROISOPROPYL) ETHER	U
106-44-5	10	4-METHYL PHENOL	U
621-64-7	10	N-NITROSO-DI-N-PROPYLAMINE	U
67-72-1	10	HEXACHLOROETHANE	U
98-95-3	10	NITROBENZENE	U
78-59-1	10	ISOPHORONE	U
88-75-5	10	2-NITRO PHENOL	U
105-67-9	10	2,4-DIMETHYL PHENOL	U
65-85-0	50	BENZOIC ACID	U
111-91-1	10	BIS(2-CHLOROETHOXY) METHANE	U
120-83-2	10	2,4-DICHLORO PHENOL	U
120-82-1	10	1,2,4-TRICHLOROBENZENE	U
91-20-3	10	NAPHTHALENE	U
106-47-8	20	4-CHLOROANILINE	U
87-68-3	10	HEXACHLOROBUTADIENE	U
59-50-7	20	4-CHLORO-3-METHYL PHENOL	U
91-57-6	10	2-METHYL NAPHTHALENE	U
77-47-4	10	HEXACHLOROCYCLOPENTADIENE	U
88-06-2	10	2,4,6-TRICHLORO PHENOL	U
95-95-4	10	2,4,5-TRICHLORO PHENOL	U
91-58-7	10	2-CHLORO NAPHTHALENE	U
88-74-4	50	2-NITROANALINE	U
131-11-3	10	DIMETHYL PHTHALATE	U
208-96-8	10	ACENAPHTHYLENE	U
606-20-2	10	2,6-DINITROTOLUENE	U
99-09-2	50	3-NITROANALINE	U
83-32-9	10	ACENAPHTHENE	U
51-28-5	50	2,4-DINITRO PHENOL	U
100-02-7	50	4-NITRO PHENOL	U
132-64-9	10	DIBENZOFURAN	U
121-14-2	10	2,4-DINITROTOLUENE	U
84-66-2	10	DIETHYL PHTHALATE	U
7005-72-3	10	4-CHLOROPHENYL PHENYL ETHER	U
86-73-7	10	FLUORENE	U
100-01-6	50	4-NITROANALINE	U
534-52-1	50	4,6-DINITRO-2-METHYL PHENOL	U

SEMIVOLATILE ORGANICS REPORT - DEM LAB

86-30-6	10	N-NITROSODIPHENYLAMINE	U
101-55-3	10	4-BROMOPHENYL PHENYL ETHER	U
118-74-1	10	HEXACHLOROBENZENE	U
87-86-5	50	PENTACHLORO PHENOL	U
85-01-8	10	PHENANTHRENE	U
120-12-7	10	ANTHRACENE	U
84-74-2	10	DI-N-BUTYL PHTHALATE	U
206-44-0	10	FLUORANTHENE	U
129-00-0	10	PYRENE	U
85-68-7	10	BUTYLBENZYL PHTHALATE	U
91-94-1	20	3,3'-DICHLOROBENZIDINE	U
56-55-3	10	BENZO(A)ANTHRACENE	U
218-01-9	10	CHRYSENE	U
117-81-7	10	BIS(2-ETHYLHEXYL) PHTHALATE	U
117-84-0	10	DI-N-OCTYL PHTHALATE	U
205-99-2	10	BENZO(B)FLUORANTHENE	U
207-08-9	10	BENZO(K)FLUORANTHENE	U
50-32-8	10	BENZO(A)PYRENE	U
193-39-5	10	INDENO(1,2,3-CD)PYRENE	U
53-70-3	10	DIBENZO(A,H)ANTHRACENE	U
191-24-2	10	BENZO(G,H,I)PERYLENE	U

OTHER SEMIVOLATILE ORGANICS FOR SAMPLE NUMBER : 3G1357

NO BASE/NEUTRAL OR ACID EXTRACTABLE ORGANICS DETECTED BY GC/MS.

TQL= TARGET QUANTITATION LIMIT
T= TENTATIVELY IDENTIFIED ESTIMATED CONCENTRATION
E= ESTIMATED CONCENTRATION
U= COMPOUND ANALYZED FOR NOT DETECTED
N= COMPOUND NOT ANALYZED FOR
D= DETECTED BELOW QUANTITATION LIMIT
H= HOLDING TIME EXCEEDED
TQL SUBJECT TO CHANGE DUE TO INSTRUMENT SENSITIVITY

PESTICIDES ANALYTICAL REPORT

LABORATORY # 3G1357

REPORTED BY JH

CHECKED BY CUB

REVIEWED BY CUB

SUPERVISOR RZK 8/19/93

SAMPLE TYPE : WATER

LABORATORY # 3G1357

ENTERED BY JH

CHECKED BY DS

DATE _____

CHLORINATED PESTICIDES BY ELECTRON CAPTURE DETECTION

CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L	CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L
15972-60-8	ALACHLOR	0.10	N	7421-93-4	ENDRIN ALDEHYDE	0.05	N
309-00-2	ALDRIN	0.08	N	53494-70-5	ENDRIN KETONE	0.04	N
1912-24-9	ATRAZINE	0.75	N	2593-15-9	ETHAZOLE	0.03	N
319 84-6	BHC-ALPHA	0.02	N	76-44-8	HEPTACHLOR	0.02	N
319-85-7	BHC-BETA	0.03	N	1024-57-3	HEPTACHLOR EPOXIDE	0.01	N
319-86-8	BHC-DELTA	0.03	N	118-74-1	HEXACHLOROBENZENE	0.01	N
58-89-9	BHC-GAMMA (LINDANE)	0.01	N	121-75-5	MALATHION	0.08	N
57-74-9	CHLORDANE, TECHNICAL	0.30	N	72-43-5	METHOXYCHLOR, DD	0.05	N
5103-71-9	CHLORDANE-ALPHA	0.02	N	2385-85-5	MIREX	0.03	N
5103-74-2	CHLORDANE-GAMMA	0.03	N	39765-80-5	TRANS-NONACHLOR	0.02	N
3734-48-3	CHLORDENE	0.02	N	26880-48-8	OXYCHLORDANE	0.02	N
2675-77-6	CHLORONEB	0.03	N	52645-53-1	CIS-PERMETHRIN	0.50	N
501-15-6	CHLOROBENZILATE	5.00	N	52645-53-1	TRANS-PERMETHRIN	0.15	N
2921-88-2	CHLORTHALONIL	0.03	N	1918-16-7	PROPACHLOR	0.10	N
1897-45-6	DCPA	0.02	N	117-18-0	TECNAZENE	0.02	N
53-19-0	DDD, OD	0.06	N	1582-09-8	TRIFLURALIN	0.03	N
72-54-8	DDD, DD	0.04	N	12674-11-2	AROCHLOR 1016	0.50	U
3424-82-6	DDE, OD	0.02	N	11104-28-2	AROCHLOR 1221	0.50	U
72-55-9	DDE, DD	0.02	N	11141-16-5	AROCHLOR 1232	0.50	U
789-02-6	DDT, OD	0.04	N	53469-21-9	AROCHLOR 1242	0.50	U
50-29-3	DDT, DD	0.06	N	12672-29-6	AROCHLOR 1248	0.50	U
60-57-1	DIELDRIN	0.02	N	11097-69-1	AROCHLOR 1254	0.50	U
959-98-9	ENDOSULFAN I	0.03	N	11096-82-5	AROCHLOR 1260	0.50	U
33213-65-9	ENDOSULFAN II	0.01	N	37324-23-5	AROCHLOR 1262	0.50	U
1031-07-8	ENDOSULFAN SULFATE	0.02	N	8001-35-2	TOXAPHENE	1.5	N
72-20-8	ENDRIN	0.03	N				
					UNIDENTIFIED PEAKS DETECTED		0

ACID HERBICIDES BY ELECTRON CAPTURE DETECTION

CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L	CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L
50594-66-6	ACIFLUORFEN	0.50	N	88-85-7	DINOSEB	0.40	N
25057-89-0	BENTAZON	5.00	N	7600-50-2	5-HYDROXYDICAMBA	2.00	N
133-90-4	CHLORAMBEN	0.50	N	100-02-7	4-NITROPHENOL	4.00	N
94-75-7	2,4-D	1.00	N	87-86-5	PENTACHLOROPHENOL	0.30	N
94-82-6	2,4-DB	5.0	N	1918-02-1	PICLORAM	1.00	N
	DCPA (ACID METABOLITES)	0.36	N	93-76-5	2,4,5-T	0.75	N
1918-00-9	DICAMBA	0.75	N	93-72-1	2,4,5-TP	1.50	N
51-36-5	3,5 DICHLOROBENZOIC ACID	1.00	N				
120-36-5	DICHLORPROP	8.50	N				
					UNIDENTIFIED PEAKS DETECTED		N

ORGANOPHOSPHATE PESTICIDES BY FLAME PHOTOMETRIC DETECTION

CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L	CAS NO.	PESTICIDE	TQL UG/L	DETECTED UG/L
786-19-6	CARBOPHENOTHION	1.0	N	115-90-2	FENSULFOTHION	10.0	N
2921-88-2	CHLORPYRIFOS	2.0	N	150-50-5	FOLBX	2.0	N
50-29-3	DDE	2.5	N	6923-22-4	MEVINPHOS	1.86	N
298-03-3	DEMETON	2.5	N	300-76-5	MONOCROTOPHOS	10.0	N
333-41-5	DIAZINON	0.8	N	56-38-2	NALED	4.0	N
62-73-7	DICHLORVOS	2.13	N	298-00-0	PARATHION, ETHYL	0.65	N
60-51-5	DIMETHOATE	3.5	N	298-02-2	PARATHION, METHYL	1.5	N
298-04-4	DISULFOTON	1.02	N	299-84-3	PHORATE	1.5	N
2497-06-5	DISULFOTON SULFONE	2.28	N	3689-24-5	RONNEL	0.75	N
2497-07-6	DISULFOTON SULFOXIDE	NE	N	13071-74-9	SULFOTEPP	0.25	N
2104-64-5	EPN	4.0	N	7786-34-7	TERBUFOS	1.11	N
563-12-2	ETHION	1.3	N				
13194-48-4	ETHOPROP	2.0	N				
55-38-9	FENTHION	2.0	N				
					UNIDENTIFIED PEAKS DETECTED		N

NITROGEN PESTICIDES BY HALL DETECTION

CAS NO.	PESTICIDES	TQL UG/L	DETECTED UG/L	CAS NO.	PESTICIDES	TQL UG/L	DETECTED UG/L
15972-60-8	ALACHLOR	2.6	N	113-48-4	MGK 264	2.7	N
834-12-8	AMETRYN	0.64	N	2212-67-1	MOLINATE	2.2	N
1912-24-9	ATRAZINE	0.38	N	15299-99-7	NAPROPAMIDE	2.8	N
314-40-9	BROMACIL	1.7	N	27314-13-2	NORFLURAZON	2.1	N
23184-66-9	BUTACHLOR	2.2	N	1114-71-2	PEBULATE	1.8	N
2008-41-5	BUTYLATE	1.9	N	1610-18-0	PROMETON	0.44	N
5234-68-5	CARBOXIN	2.8	N	7287-19-6	PROMETRYN	0.44	N
101-21-3	CHLOROPHAM	1.9	N	23950-58-5	PRONAMIDE	5.8	N
1134-23-2	CYCLOATE	1.8	N	139-40-2	PROPAZINE	0.54	N
2921-88-2	CHLORPYRIFOS	2.4	N	122-34-9	SIMAZINE	2.4	N
333-41-5	DIAZINON	1.3	N	1014-70-6	SIMETRYN	0.50	N
957-51-7	DIPHENAMID	2.2	N	34014-18-1	TEBUTHIURON	1.2	N
759-94-4	EPTC (EPTAM)	2.1	N	5902-51-2	TERBACIL	1.7	N
22224-92-6	FENAMIPHOS	3.7	N	886-50-0	TERBUTRYN	1.4	N
51235-04-2	HEXAZINONE	1.9	N	1929-77-7	VERNOLATE	0.66	N
51218-45-2	METOLACHLOR	2.8	N				
21087-64-9	METRIBUZIN	0.79	N				
					UNIDENTIFIED PEAKS DETECTED		N

D - DETECTED
TQL - TARGET QUANTITATION LIMIT
NE - NO ESTABLISHED TQL
E - ESTIMATED VALUE
U - SAMPLES ANALYZED FOR THIS COMPOUND BUT NOT DETECTED
N - SAMPLE NOT ANALYZED FOR THIS COMPOUND
T - TENTATIVALY IDENTIFIED BUT UNABLE TO CONFIRM

EPAID	SITENAME	ADDED	SITEADDR	SITECITY	cbocounty	Text90	Text92	Combo94
NONCD0002812	FLOYD WATER SUPPLY WELL	6/23/2008	17586 RANDALL'S FERRY RD	NORWOOD	STANLY	35.2618100000	-80.1010400000	ON SCREEN PLACEMENT ON GEOREFERENCED MAP

State of North Carolina
Department of Environment,
Health and Natural Resources
Mooresville Regional Office

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
Vivian H. Burke, Regional Manager

DEHNR

DIVISION OF ENVIRONMENTAL MANAGEMENT

November 30, 1993

O. R. Stephenson
17618 Randall's Ferry Road
Norwood, North Carolina 28128

RE: Health Risk Assessment
Stephenson Well
Stanly County, N.C.

Dear Mr. Stephenson:

Please find attached a copy of the Health Risk Assessment performed by Dr. Ken Rudo on your well located at 17618 Randall's Ferry Road, Norwood in Stanly County.

If you should have any questions, please do not hesitate to contact Dr. Rudo at (919) 733-3410 or me at (704) 663-1699, ext. 234.

Sincerely,

Karen Walker

Karen Walker
Hydrogeological Technician II

Attachment

cc: Stanly County Health Department

KDW/sc

919 North Main Street, Mooresville, North Carolina 28115 Telephone 704-663-1699 FAX 704-663-6040
An Equal Opportunity Affirmative Action Employer 50% recycled/ 10% post-consumer paper

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

Drinking Water Health Risk Evaluation
General

Stanly COUNTY

DATE 11/5/93 LABORATORY NUMBER 361556

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

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

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

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

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

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

( ) COMMENTS:

RECEIVED
NOV 15 1993
POLLUTION CONTROL BRANCH

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

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

BHNR/DEM LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 3G1356

REPORTED BY
CHECKED BY
REVIEWED BY

SUPERVISOR
DATE 9/3/93
ENTERED BY
CHECKED BY

SAMPLE TYPE: WATER

ANALYSIS RESULTS

CAS#	VOA TARGET COMPOUND	TQL ug/l	DETECTED ug/l	
75-35-4	1,1-Dichloroethene	0.75		U
75-09-2	Methylene Chloride	0.25		U
156-60-5	trans-1,2-Dichloroethene	0.75		U
75-34-3	1,1-Dichloroethane	0.25		U
590-20-7	2,2-Dichloropropane	0.25		U
156-59-4	cis-1,2-Dichloroethene	0.25		U
67-66-3	Chloroform	0.25		U
74-97-5	Bromochloromethane	0.75		U
71-55-6	1,1,1-Trichloroethane	0.25	0.51	
563-58-6	1,1-Dichloropropene	0.25		U
56-23-5	Carbon Tetrachloride	0.75		U
107-06-2	1,2-Dichloroethane	0.25		U
79-01-6	Trichloroethene	0.25		U
78-87-5	1,2-Dichloropropane	0.25		U
75-27-4	Bromodichloromethane	0.25		U
74-95-3	Dibromomethane	1		U
10061-01-5	cis-1,3-Dichloropropene	0.25		U
10061-02-6	trans-1,3-Dichloropropene	0.25		U
79-00-5	1,1,2-Trichloroethane	0.25		U
127-18-4	Tetrachloroethene	0.25		U
142-28-9	1,3-Dichloropropane	0.25		U
124-48-1	Dibromochloromethane	0.75		U
106-93-4	1,2-Dibromoethane	1		U
108-90-7	Chlorobenzene	0.25		U
630-20-6	1,1,1,2-Tetrachloroethane	0.25		U
75-25-2	Bromoform	0.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.75		U

CAS#	VOA TARGET COMPOUND	TQL ug/l	DETECTED ug/l	
96-18-4	1,2,3-Trichloropropane	0.25		U
108-86-1	Bromobenzene	1		U
95-49-8	2-Chlorotoluene	0.25		U
106-43-4	4-Chlorotoluene	0.25		U
541-73-1	1,3-Dichlorobenzene	0.25		U
106-46-7	1,4-Dichlorobenzene	0.25		U
95-50-1	1,2-Dichlorobenzene	0.25		U
96-12-8	1,2-Dibromo-3-Chloropropane	1		U
120-82-1	1,2,4-Trichlorobenzene	0.25		U
87-68-3	Hexachlorobutadiene	0.25		U
87-61-6	1,2,3-Trichlorobenzene	0.75		U
1634-04-4	Methyl-tert-butyl ether	5		U
71-43-2	Benzene	1		U
108-88-3	Toluene	1		U
100-41-4	Ethyl benzene	1		U
108-38-3	m,p-Xylenes	2		U
95-47-6	o-Xylene	1		U
100-42-5	Styrene	1		U
98-82-8	Isopropylbenzene	1		U
103-65-1	n-Propylbenzene	1		U
108-67-8	1,3,5-Trimethylbenzene	1		U
98-06-6	tert-Butylbenzene	1		U
95-63-6	1,2,4-Trimethylbenzene	1		U
135-98-8	sec-Butylbenzene	1		U
99-87-6	p-isopropyltoluene	1		U
104-51-8	n-Butylbenzene	1		U
91-20-3	Naphthalene	1		U

TQL- Target Quantitation Limit- Subject to change due to instrument sensitivity
T- Tentatively Identified, not confirmed
E- Estimated Value
U- Samples analyzed for this compound but not detected
N- Sample not analyzed for this compound
D- Detected below quantitation limit
M- GC/MS Analysis performed

Other purgeables detected (up to 10 highest peaks)

9/23/93

	Detected ug/l

NO VOLATILE ORGANIC COMPOUNDS DETECTED BY GC/PID.

COMMENTS:

COUNTY Stanly

QUAD NO. Q57V4 SERIAL NO. _____

LAT. 35°15'46" LONG. 80°06'07"

North Carolina
Department of Environment, Health, and Natural Resources
Division of Environmental Management
Groundwater Field/Lab Form

CHAIN OF CUSTODY

LAB NUMBER 8 36 1556

DATE RECEIVED 8-18-93 Time 9:00

Rec'd by: DS From: Bus Courier

Other _____

DATA ENTRY BY: 9/1 CK DS

DATE REPORTED: 9/3/93

Report to: ARO, FRO, (MRO), RRO, WaRO, WiRO, WSRO, Kinston FO Other _____

Shipped by: Bus, (Courier), Other _____

SAMPLE PRIORITY

☐ ROUTINE ☒ EMERGENCY

COLLECTOR(S): Karen Walker DATE 8/17/93 TIME 11:50 a.m. PURPOSE: BASELINE, (COMPLAINT), COMPLIANCE, LUST, OTHER _____ (circle one)

RECEIVED SEP 8 1993 GROUNDWATER PROTECTION RALEIGH, NC

FIELD ANALYSES

pH 400 _____ Spec. Cond. 94 _____ at 25°C

Temp. 10 _____ °C Odor none

Appearance clear Taste n/a

Field Analysis By: Karen Walker

Owner Buddy Stephenson

Location or site 17618 Randalls Ferry Road

Description of sampling point hose bibb at kitchen sink

Sampling Method _____ (pump, bailer, etc.) Sample Interval _____

Remarks Sampled after pumping well ≈ 10 min. (pumping time, air temp, etc.)

LABORATORY ANALYSES

	BOD_5 310	mg/l
	COD High 340	mg/l
	COD Low 335	mg/l
	Coliform:MF Fecal 31616	/100ml
	Coliform:MF Total 31504	/100ml
	TOC 680	mg/l
	Turbidity 76	NTU
	pH 403	units
	Alkalinity to pH 4.5 410	mg/l
	Alkalinity to pH 8.3 415	mg/l
	Carbonate 445	mg/l
	Bicarbonate 440	mg/l
	Arsenic:Total 1002	ug/l
	Carbon dioxide 405	mg/l
	Chloride 940	mg/l
	Chromium:Hex 1032	ug/l
	Color:True 80	Pt-Co
	Cyanide 720	mg/l

	Diss. Solids 70300	mg/l
	Fluoride 951	mg/l
	Hardness:Total 900	mg/l
	Hardness (non-carb) 902	mg/l
	Phenols 32730	ug/l
	Specific Cond. 95	uMhos/cm²
	Sulfate 945	mg/l
	Sulfide 745	mg/l
	NH_3 as N 610	mg/l
	TKN as N 625	mg/l
	$NO_2 + NO_3$ as N 630	mg/l
	P:Total as P 665	mg/l

	Ag - Silver 1077	ug/l
	Al - Aluminum 1105	ug/l
	Ba - Barium 1007	ug/l
	Ca - Calcium 916	mg/l
	Cd - Cadmium 1027	ug/l
	Chromium:Total 1034	ug/l
	Cu - Copper 1042	ug/l
	Fe - Iron 1045	ug/l
	Hg - Mercury 71900	ug/l
	K - Potassium 937	mg/l
	Mg - Magnesium 927	mg/l
	Mn - Manganese 1055	ug/l
	Na - Sodium 929	mg/l
	Ni - Nickel 1067	ug/l
	Pb - Lead 1051	ug/l
	Se - Selenium 1147	ug/l
	Zn - Zinc 1092	ug/l

	Organochlorine Pesticides
	Organophosphorus Pesticides
	Acid Herdicides
	Base / Neutral Extractable Organics
	Acid Extractable Organics
✓	Purgeable Organics (VOA bottle)
	1,2 - Dibromoethane (EDB)

RECEIVED SEP 10 1993 POLLUTION CONTROL BRANCH

Lab Comments: _____

F.S. 9/13/93

GW-54 REV. 9/90

For Dissolved Analysis - submit filtered sample and write "F" in block

MRO

Division of Environmental Management
GROUNDWATER SECTION
CHAIN OF CUSTODY RECORD

For Investigation of Groundwater Incident No. _____

Samples collected and GW-54 forms completed by: Karen Walker

Lab Only Lab No.	Quac No.	Location	Date	Time	No. of Containers
361356	Q57V4	Buddy Stephenson, Stanly	8/17/93	11:50am	1
361357	Q57V5	Buddy Efloyd, Stanly	8/17/93	12:10am	2

N. C. DEPT. OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT
AUG 23 1993
DIVISION OF ENVIRONMENTAL MANAGEMENT
MOORESVILLE REGIONAL OFFICE

Relinquished by (Signature):	Received by (Signature):	Date/Time
Karen Walker	Donna Saunders	8-18-93/9:00
Rel.	Rec. by	/
Rel.	Rec. by	/
Rel.	Rec. by	/

Method of Shipment: Courier

Security Type and Condition: Seal by: Karen Walker Broken by: Donna Saunders
Lock by: Open by:

LAB USE ONLY

Lab No. From	Lab No. Through	No. Containers	Analysis	Relinquished by	Received by	Date / Time
361356	361357	2	VOA	Donna Saunders	Cindy Moon	8-18-93 9:30
361357		1	Semi VOI	Donna Saunders	[illegible]	8/18/93 9:35
						/
						/
						/
						/
						/
						/
						/

White copy - GW Headquarters, Canary copy - Lab, Pink copy - Region

GW-54 Revised 9/92

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

N.C. DEPT. OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT

OCT 06 1993

DIVISION OF ENVIRONMENTAL MANAGEMENT MOORESVILLE REGIONAL OFFICE

RECEIVED
SEP 29 1993
POLLUTION CONTROL BRANCH

Drinking Water Health Risk Evaluation For
Petroleum Products

COUNTY Stanly

DATE 9/15/93 LABORATORY NUMBER 932479

This water is probably contaminated with a petroleum product that may be gasoline, fuel oil, kerosene or other.

(✓) The movement of chemicals into groundwater is difficult to predict. Although these results indicate that trace levels of contaminants are present, this water is acceptable for normal use now. However, since levels may increase or other chemicals might appear in the future, this water should be resampled in 3 month(s). (PLEASE INDICATE ON LAB SHEET THAT IT IS A RESAMPLE AND PROVIDE PREVIOUS SAMPLE NUMBER(S).)

(✓) Your water contains a chemical (benzene) that is known to cause cancer in humans. The U. S. Environmental Protection Agency has set a maximum contaminant level of 5 ug/l (ppb) for benzene. This is the level that is considered acceptable for public water supplies. Even at this level, there may be some risk of cancer. The level of benzene in this water cannot be predicted from one time to another.

( ) Based on this benzene level, this water should not be used for drinking or cooking. Prolonged bathing/showering should be avoided.

( ) This water is highly contaminated and should not be used for drinking, cooking or bathing/showering.

( ) This water sample contains multiple contaminants that suggest petroleum contamination. Since the toxicity of some of these agents is unknown or poorly understood, prudent public health policy recommends that this water should not be used for drinking and cooking. Prolonged bathing/showering should be avoided.

COMMENTS:
Low levels of petroleum contaminants should not pose any health risk at this time upon continued consumption. Resampling will monitor for any change in levels.

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

DEHNR 3892 (5/92)
Environmental Epidemiology Section (Review 5/95)

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

Environmental Sciences Analysis Report

Name of Owner, Patient or Supply: Buddy Floyd

Address: 17586 Danville Hwy Rd

County: Stanly

Report To: B Livingston

Address: Stanly Co. Health Dept.
Albemarle, NC 28001

Date Collected: 8-16-93

Collected By: B Fri

Analysis Desired: Petroleum

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

SEP 1993

Laboratory Number	Sample Number	Sample Description or Remarks	Results In
932479			Pump oil-like hydrocarbons
			identified, see attached
			sheet for volatile results.

Date Received 8-17-93 WG

Date Extracted 8-18-93 SA, WG

Date Reported 9-2-93

Date Analyzed EXT 8-18-93 SA. VOC 8/30/93 PM GC/MS 9-1-93 BD

Reported By: John L. Neal

DEHNR Form 2364 Revised (9-89)
Laboratory

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

Laboratory No. 932479 PURGEABLE COMPOUNDS Date of Analysis 8/30/93

COMPOUND	µg/l
Dichlorodifluoromethane	U
Chloromethane	↓
✓Vinyl Chloride	↓
Bromomethane	↓
Chloroethane	↓
Trichlorofluoromethane	↓
✓1,1-Dichloroethylene	↓
Methylene Chloride	1K
tert-Butyl Methyl Ether	U
✓trans-1,2-Dichloroethylene	↓
Isopropyl ether	↓
1,1-Dichloroethane	↓
2,2-Dichloropropane	↓
✓cis-1,2-Dichloroethylene	↓
Chloroform	1K T
(BCM) Bromochloromethane	U
✓1,1,1-Trichloroethane	trace
1,1-Dichloropropene	U
✓Carbon Tetrachloride	↓
✓Benzene	trace 1/
✓1,2-Dichloroethane	U
✓Trichloroethylene	↓
✓1,2-Dichloropropane	↓
Bromodichloromethane	↓
Dibromomethane	↓
✓Toluene	6.1
1,1,2-Trichloroethane	U
✓Tetrachloroethylene	↓
1,3-Dichloropropane	↓
Dibromochloromethane	↓
1,2-Dibromoethane (EDB)	↓
1-Chlorohexane	↓
MIBK	4.2

COMPOUND	µg/l
✓Chlorobenzene	U
✓Ethylbenzene	trace
1,1,1,2-Tetrachloroethane	U
✓p-Xylene	1K
✓m-Xylene	
✓o-Xylene	1.7
✓Styrene	U
Bromoform	↓
Isopropylbenzene	↓
1,1,2,2-Tetrachloroethane	↓
Bromobenzene	↓
n-Propylbenzene	↓
1,2,3-Trichloropropane	↓
2-Chlorotoluene	↓
1,3,5-Trimethylbenzene	↓
4-Chlorotoluene	↓
tert-Butyl Benzene	↓
Pentachloroethane	↓
1,2,4-Trimethylbenzene	↓
sec-Butyl Benzene	↓
p-Isopropyltoluene	↓
1,3-Dichlorobenzene	↓
✓1,4-Dichlorobenzene	↓
n-Butylbenzene	↓
✓1,2-Dichlorobenzene	↓
Bis (2-Chloroisopropyl) Ether	↓
1,2-Dibromo-3-Chloropropane	↓
1,2,4-Trichlorobenzene	↓
Hexachlorobutadiene	↓
Naphthalene	↓
1,2,3-Trichlorobenzene	↓

COMMENTS: Unidentified peak present

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

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

N.C. Dept. of Environment, Health, & Natural Resources
DEHNR 3068-O (Rev. 10/92 Laboratory Services)
#1532E D-18