

APPENDIX A
SUMMARY OF EXISTING ANALYTICAL DATA -
SHALLOW AQUIFER

**TABLE 4-1
CONSTITUENTS DETECTED IN GROUNDWATER
TANK FARM AREA**

WELL NUMBER UNITS	22GW1				22GW2				STANDARDS		
	ug/L				ug/L				NORTH CAROLINA*	PRIMARY MCLs	
	DATE SAMPLED	1/9/87	3/8/87	5/27/87	1/18/91	1/9/8	3/8/8	5/27/87	1/18/91	ug/L	ug/L
VOLATILES:											
Benzene	12000	10000	13000	7900		< 1	< 1	< 1	< 5	1	5
Dichloroethane,1,2-	< 28	< 2800	< 2800	110 B	< 3	< 3	< 3	< 5		0.38	5
Ethyl benzene	1800	< 7200	< 7200	1900 J	< 7	< 7	< 7	< 5		29	700
Methylene chloride	< 28	< 2800	< 50000	5 U	7	< 3	< 50	< 5		5	5(1)
Trichloroethylene	< 30	< 1000	< 1000	5 J	< 1	< 3	< 1	< 5		2.8	5
Toluene	15000	18000	24000	16000	< 6	< 6	< 6	< 5		1000	1000
Xylene (total)	9000	< 12000	< 12000	9800	< 12	< 12	< 12	< 5		400	10000
SEMIVOLATILES:											
Methylnaphthalene,2-	NA	NA	NA	10 J	NA	NA	NA	< 10		-	-
Methylphenol,2-	NA	NA	NA	230	NA	NA	NA	< 10		-	-
Naphthalene	NA	NA	NA	28	NA	NA	NA	< 10		-	-
Oil & Grease	7000	11000	9000	NA	800	< 100	< 200	NA		-	-
Total Lead	33	29	78	307	28	< 27	< 49.2	16.2		50	15(2)
INORGANICS:											
Aluminum	NA	NA	NA	587000	NA	NA	NA	16900		-	-
Antimony				20.9 B				13.3 U		-	10/5(3)
Arsenic				50.3				11		50	50
Barium				804				67 B		1000	2000
Beryllium				5.8				0.5 U		-	1(1)
Calcium				33800				127000		-	-
Chromium				457				26.3		50	100
Cobalt				30.9 B				10.9 B		-	-
Copper				81.4				11.2 B		1000	1300(2)
Iron				101000				16200		300	-
Mercury				0.35				0.1 U		1.1	2
Nickel				186				17 B		150	100(1)
Potassium				24000				3030 B		-	-
Selenium				3.4 U				4.2 B		10	50
Silver				4.1 B				1.6 U		50	50(4)
Sodium				9560				8570		-	-
Vanadium				518				40.3 B		-	-
Zinc				295				91.8		5000	-
Cyanide				10 U				10 U		154	200(1)

NOTES:

- * - North Carolina water quality criteria for groundwater.
- NA - Not analyzed
- (-) - No standard set
- < - Less than detection limit
- 1 - Proposed maximum contaminant level (MCL)
- 2 - MCL is Action Level for Public Water Supply Systems, effective November 6, 1991.
- 3 - Two proposed MCLs
- 4 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- U - Compound was analyzed, but not detected.
- B - Analyte found in associated blank, organics
- Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics
- J - Value is estimated

**TABLE 4-2
CONSTITUENTS DETECTED IN GROUNDWATER
BUILDINGS 1709 AND 1710**

WELL NUMBER UNIT	HPGW1				HPGW2				HPGW3				STANDARDS		
	ug/L				ug/L				ug/L				NORTH CAROLINA*	Primary MCLs	
	DATE SAMPLED	1/9/87	3/8/87	5/27/8	1/18/91	1/9/87	3/8/87	5/27/8	1/18/91	1/9/87	3/8/87	5/27/8	1/18/91	ug/L	ug/L
VOLATILES:															
Acetone	NA	NA	NA	10 J	NA	NA	NA	10 U	NA	NA	NA	10 U	-	-	
Benzene	43	3.9	< 1	5 U	12	< 1	< 1	5 U	1.4	< 1	< 1	5 U	1	5	
Chloromethane	< 4.3	< 4.3	< 4.3	10 U	5	< 4.3	< 4.3	10 U	< 4.3	< 4.3	< 4.3	10 U	-	-	
Dichloroethylene, trans-1,2-	< 1.6	< 1.6	< 1.6	N/A	< 1.6	< 1.6	< 1.6	NA	< 1.6	< 1.6	< 1.6	NA	-	100	
Dichloroethylene, (total),1,2-	NA	NA	NA	73	NA	NA	NA	5 U	NA	NA	NA	5 U	-	-	
Ethyl benzene	12	< 7.2	< 7.2	5 U	< 7.2	< 7.2	< 7.2	5 U	8.2	9	< 7.2	5 U	29	700	
Methylene chloride	< 2.8	< 2.8	< 50	5 U	< 2.8	< 2.8	< 50	5 U	< 2.8	< 2.8	< 50	5 U	5	5(1)	
Trichloroethylene	< 3	< 3	< 1	91	< 3	< 3	< 1	5 U	< 3	< 3	< 1	5 U	2.8	5	
Toluene	100	12	< 6	5 U	38	< 6	< 6	5 U	< 6	< 6	< 6	5 U	1000	1000	
Trichloroethane, 1,1,1-	< 3.8	< 3.8	< 3.8	5 U	< 3.8	< 3.8	< 3.8	5 U	< 3.8	13	< 3.8	5 U	200	200	
Xylene (total)	62	< 12	< 12	5 U	28	< 12	< 12	5 U	< 12	< 12	< 12	5 U	400	10000	
Oil & Grease	700	< 100	< 200	NA	700	< 100	< 200	NA	800	200	< 200	NA	-	-	
Total Lead	27	< 27	< 49.2	16.6	< 27	< 27	< 49.2	29.4	40	< 27	< 49.2	11.4	50	15(2)	

NOTES:

- * - North Carolina water quality criteria for groundwater.
- < - Less than detection limit
- NA - Not analyzed
- (-) - No standard set
- 1 - Proposed maximum contaminant level (MCL)
- 2 - MCL is Action Level for Public Water Supply Systems.
- 3 - Two proposed MCLs
- 4 - Silver currently has an MCL of 50 ug/L; as of July 30, 1992 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- U - Compound was analyzed for but not detected.
- B - Analyte found in associated blank, organics
 - Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics
- J - Value is estimated

TABLE 4-2 (cont)
CONSTITUENTS DETECTED IN GROUNDWATER
BUILDINGS 1709 AND 1710

WELL NUMBER UNIT	HPGW1				HPGW2				HPGW3				STANDARDS		
	ug/L				ug/L				ug/L				NORTH CAROLINA*	Primary MCLs	
	DATE SAMPLED	1/9/87	3/8/87	5/27/8	1/18/91	1/9/87	3/8/87	5/27/8	1/18/91	1/9/87	3/8/87	5/27/8	1/18/91	ug/L	ug/L
INORGANICS:															
Aluminum	NA	NA	NA	30600	NA	NA	NA	56000	NA	NA	NA	19300	-	-	
Antimony				13.3 U				15.6 B				46.5 B	-	10/5(3)	
Arsenic				8 B				24.1				15.6	50	50	
Barium				166 B				84.4 B				55.5 B	1000	2000	
Beryllium				6				1.7 B				1.2 B	-	1 (1)	
Calcium				30100				46800				29800	-	-	
Chromium				87				64.3				16.7	50	100	
Cobalt				6 U				6.1 B				8 U	-	-	
Copper				17.4 B				17.3 B				5.5 B	1000	1300(2)	
Iron				64100				34800				10400	300	-	
Lead				16.6				29.4				11.4	50	15(2)	
Magnesium				5590				3980 B				2580 B	-	-	
Manganese				168				77.7				53.9	50	-	
Mercury				0.1 U				0.1 U				0.1 U	1.1	2	
Nickel				31.3 B				16.9 B				12.1 B	150	100(1)	
Potassium				3940 B				4820 B				2230 B	-	-	
Selenium				3.4 U				3.6 B				3.4 U	10	50	
Silver				4.7 B				1.6 U				1.6 U	50	50 (4)	
Sodium				10900				3680 B				6390	-	-	
Vanadium				92.1				160				35.9 B	-	-	
Zinc				163				88.2				59.8	5000	-	
Cyanide				10 U				11.2 U				11.2	154	200(1)	

NOTES:

- * - North Carolina water quality criteria for groundwater.
- < - Less than detection limit
- NA - Not analyzed
- (-) - No standard set
- 1 - Proposed MCL
- 2 - MCL is Action Level for Public Water Supply Systems, effective November 6, 1991.
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- 4 - Silver currently has an MCL of 50 ug/L; as of July 30, 1992 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

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- B - Analyte found in associated blank, organics
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- J - Value is estimated

TABLE 4-2 (cont)
CONSTITUENTS DETECTED IN GROUNDWATER
BUILDINGS 1709 AND 1710

WELL NUMBER UNIT	HPGW4-1				HPGW4-1		STANDARDS	
	ug/L				ug/L		NORTH CAROLINA*	Primary MCLs
	1/12/8	3/8/87	5/27/8	1/18/91	1/18/91		ug/L	ug/L
VOLATILES:								
Acetone	NA	NA	NA	40	26		-	-
Benzene	25	3.2	1.6	5 U	5 U		1	5
Chloromethane	< 4.3	4.3	< 4.3	10 U	10 U		-	-
Dichloroethylene, trans-1,2-	1.9	2.2	4.4	NA	NA		-	100
Dichloroethylene, (total),1,2-	NA	NA	NA	5 U	0.6 J		-	-
Ethyl benzene	< 7.2	7.2	< 7.2	5 U	5 U		29	700
Methylene chloride	< 2.8	2.8	< 50	5 U	2 J		5	5 (1)
Trichloroethylene	3.4	3	7.7	0.9 J	1 J		2.8	5
Toluene	35	8.2	< 6	5 U	5 U		1000	1000
Trichloroethane, 1,1,1-	< 3.8	3.8	< 3.8	5 U	5 U		200	200
Xylene (total)	< 12	12	< 12	5 U	5 U		400	10000
Oil & Grease	300	300	< 200	NA	-		-	-
Total Lead	29	27	< 49.2	66.6	-		50	15 (2)

NOTES:

* - North Carolina water quality criteria for groundwater.

< - Less than detection limit

NA - Not analyzed

(-) - No standard set

1 - Proposed maximum contaminant level (MCL)

2 - MCL is Action Level for Public Water Supply Systems.

3 - Two proposed MCLs

4 - Silver currently has an MCL of 50 ug/L; as of July 30, 1992 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

U - Compound was analyzed for but not detected.

B - Analyte found in associated blank, organics

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J - Value is estimated

TABLE 4-2 (cont)
 CONSTITUENTS DETECTED IN GROUNDWATER
 BUILDINGS 1709 AND 1710

WELL NUMBER UNIT	HPGW4-1				HPGW4-1	STANDARDS	
	ug/L				ug/L	NORTH CAROLINA*	Primary MCLs
	1/12/8	3/8/87	5/27/8	1/18/91	1/18/91	ug/L	ug/L
INORGANICS:							
Aluminum	NA	NA	NA	97000	96800	-	-
Antimony				21.9 B	34.6 B	-	10/5(3)
Arsenic				15.5	19.4	50	50
Barium				268	273	1000	2000
Beryllium				6.7	6.4	-	1 (1)
Calcium				296000	310000	-	-
Chromium				187	195	50	100
Cobalt				14.4 B	18.2 B	-	-
Copper				35.4	39.2	1000	1300(2)
Iron				100000	106000	300	-
Lead				66.6	45.6	50	15(2)
Magnesium				12100	12500	-	-
Manganese				425	436	50	-
Mercury				0.1 U	0.1 U	1.1	2
Nickel				57	64.3	150	100(1)
Potassium				9710	9520	-	-
Selenium				3.4 U	3.4 U	10	50
Silver				1.6 U	2.4 B	50	50 (4)
Sodium				11400	11100	-	-
Vanadium				213	222	-	-
Zinc				228	272	5000	-
Cyanide				10 U	10 U	154	200(1)

NOTES:

- * - North Carolina water quality criteria for groundwater.
- < - Less than detection limit
- NA - Not analyzed
- (-) - No standard set
- 1 - Proposed MCL
- 2 - MCL is Action Level for Public Water Supply Systems, effective November 6, 1991.
- 3 - Two proposed MCLs
- 4 - Silver currently has an MCL of 50 ug/L; as of July 30, 1992 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- U - Compound was analyzed for but not detected.
- B - Analyte found in associated blank, organics
- Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics
- J - Value is estimated

**TABLE 4-3
CONSTITUENTS DETECTED IN GROUNDWATER
BUILDING 1613**

WELL NUMBER	HPGW5				HPGW6				HPGW7				STANDARDS	
	ug/L				ug/L				ug/L				North Carolina*	Primary MCLs
	DATE SAMPLED	1/12/87	3/8/87	5/27/87	1/18/91	1/12/87	3/8/87	5/27/87	1/18/91	1/12/87	3/9/87	5/27/87	1/18/91	ug/L
Oil & Grease	900	< 100	< 200	NA	200	< 100	< 200	NA	3000	200	< 200	NA	-	-
Total Lead	< 27	< 27	< 49.2	13.6	< 27	< 27	< 49.2	60.7	< 27	29	< 49.2	112	50	15 (1)
INORGANICS:														
Aluminum	NA	NA	NA	3580	NA	NA	NA	1050000	NA	NA	NA	161000	-	-
Antimony				13.3				13.3				22	U	10/5(2)
Arsenic				1.5				31.5				18.3	50	50
Barium				13.6				1960				670	1000	2000
Beryllium				0.86				20				4.8	B	1 (3)
Calcium				80100				11200				10500	-	-
Chromium				3.6				1590				313	50	100
Cobalt				6				51.9				17.7	B	-
Copper				4.1				194				44.2	1000	1300(1)
Iron				3100				265000				65700	300	-
Lead				13.6				60.7				112	50	15 (1)
Magnesium				11100				49700				18200	-	-
Manganese				162				487				136	50	-
Mercury				0.1				1.4				0.25	1.1	2
Nickel				5.2				161				50.7	150	100(3)
Potassium				3930				55300				12000	-	-
Selenium				4.4				3.4				2.6	B	10
Silver				1.6				2.3				6.2	U	50 (4)
Sodium				22400				14800				11500	-	-
Vanadium				2.4				1610				285	-	-
Zinc				71.3				537				218	5000	-
Cyanide				10				10				10	U	154

NOTES:

* - These standards are water quality standards applicable to the groundwaters of North Carolina.

<X - Less than detection limit

NA - Not analyzed

(-) - No standard set

1 - Maximum contaminant level (MCL) is Action Level for Public Water Supply System.

2 - Two proposed MCLs

3 - Proposed MCL

4 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

U - Compound was analyzed, but not detected.

B - Reported value is < Contract Required Detection Limit, but > Instrument Detection Limit, inorganics

TABLE 4-4
CONSTITUENTS DETECTED IN GROUNDWATER
BUILDINGS 1502, 1601 AND 1602

WELL NUMBER UNIT	HPGW8				HPGW9-1				STANDARDS		
	ug/L				ug/L				North Carolina*	Primary MCLs	
	DATE SAMPLED	3/13/87	3/9/87	5/28/87	1/18/91	1/14/87	3/9/87	5/28/87	1/18/91	ug/L	ug/L
VOLATILES:											
Carbon Disulfide	NA	NA	NA	5 U	NA	NA	NA	13		-	-
Chloroform	< 1.6	< 1.6	< 1.6	5 U	< 160	< 400	< 160	15		0.19	-
Chloromethane	7.2	< 4.3	< 4.3	10 U	< 430	< 1100	< 430	10	U	-	-
Dichloroethylene (total), 1,2-	< 2.8	< 2.8	< 2.8	5 U	< 280	< 700	< 280	1200		-	-
Dichloroethylene, trans,1,2-	< 1.6	< 1.6	< 1.6	NA	740	< 400	2700	NA		70	100
Ethyl Benzene	< 7.2	< 7.2	< 7.2	5 U	1100	< 1800	< 720	700		29	700
Methylene Chloride	20	< 2.8	< 50	5 U	< 280	< 700	< 280	5	U	5	5(1)
Toluene	< 6	< 6	< 6	5 U	< 600	< 1500	< 600	330	J	1000	1000
Trichloroethene	< 3	< 3	< 1	2 J	5000	6100	< 100	14000		2.8	5
Trichlorofluoromethane	14	96	< 3.2	NA	< 320	< 800	< 320	NA		-	-
Xylene (total)	< 12	< 12	< 12	5 U	4500	< 3000	4000	3300		400	10000
SEMI-VOLATILES:											
bis(2-Ethylhexyl)phthalate	NA	NA	NA	2 J	NA	NA	NA	10	U	-	-
Methylnaphthalene, 2-	NA	NA	NA	10 U	NA	NA	NA	49		-	-
Naphthalene	NA	NA	NA	10 U	NA	NA	NA	190		-	-
Oil & Grease	100	< 100	< 200	NA	32000	11000	6000	NA		-	-
Total Lead	< 27	< 27	< 49.2	54.1	130	92	70	128		50	15 (2)

NOTES:

* - North Carolina water quality standards for groundwater.

<X - Less than detection limit

NA - Not analyzed

(-) - No standard set

1 - Proposed MCL

2 - MCL is Action Level for Public Water Supply Systems, effective November 6, 1991.

3 - Two proposed MCLs

QUALIFIERS:

U - Compound was analyzed, but not detected.

B - Analyte found in associated blank, organics

- Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics

TABLE 4-4 (cont)
CONSTITUENTS DETECTED IN GROUNDWATER
BUILDINGS 1502, 1601 AND 1602

WELL NUMBER UNIT	HPGW8				HPGW9-1				STANDARDS		
	ug/L				ug/L				North Carolina*	Primary MCLs	
	DATE SAMPLED	3/13/87	3/9/87	5/28/87	1/18/91	1/14/87	3/9/87	5/28/87	1/18/91	ug/L	ug/L
INORGANICS:											
Aluminum	NA	NA	NA	91700	NA	NA	NA	59100	-	-	
Antimony				22 U				17.6 B	-	10/5 (3)	
Arsenic				28.4				3 B	50	50	
Barium				173 B				126 B	1000	2000	
Beryllium				2.1 U				0.79 B	-	1 (1)	
Calcium				10600				23500	-	-	
Chromium				91.8				66.4	50	100	
Cobalt				7.9 B				6 U	-	-	
Copper				19.5 B				27.1	1000	1300 (2)	
Iron				40900				19800	300	-	
Lead				54.1				128	50	15 (2)	
Magnesium				5780				11000	-	-	
Manganese				46.5				45	50	-	
Mercury				0.13 B				0.1 U	1.1	2	
Nickel				25.2 B				15.1 B	150	100(1)	
Potassium				5300				5370	-	-	
Selenium				3.6 B				3.6 B	10	50	
Sodium				8600				20400	-	-	
Vanadium				945				75.3	-	-	
Zinc				118				115	5000	-	
Cyanide				10 U				10 U	154	200(1)	

NOTES:

* - North Carolina water quality standards for groundwater.

<X - Less than detection limit

NA - Not analyzed

(-) - No standard set

1 - Proposed maximum contaminant level (MCL)

2 - MCL is Action Level for Public Water Supply Systems.

3 - Two proposed MCLs

QUALIFIERS:

U - Compound was analyzed, but not detected.

B - Analyte found in associated blank, organics

- Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics

TABLE 4-4 (cont)
CONSTITUENTS DETECTED IN GROUNDWATER
BUILDINGS 1502, 1601 AND 1602

WELL NUMBER UNIT	HPGW10				HPGW11				STANDARDS		
	ug/L				ug/L				North Carolina*	Primary MCLs	
	1/14/87	3/9/87	5/28/87	1/18/91	1/14/87	3/9/87	5/28/87	1/18/91	ug/L	ug/L	
VOLATILES:											
Carbon Disulfide	NA	NA	NA	5 U	NA	NA	NA	11	-	-	
Chloroform	< 1.6	< 1.6	< 1.6	5 U	3.2	2.2	2.6	5 U	0.19	-	
Chloromethane	< 4.3	< 4.3	< 4.3	10 U	< 4.3	< 4.3	< 4.3	10 U	-	-	
Dichloroethylene (total), 1,2-	< 2.8	< 2.8	< 2.8	5 U	< 2.8	< 2.8	< 2.8	5 U	-	-	
Dichloroethylene, trans,1,2-	< 1.6	< 1.6	< 1.6	NA	13	7.2	6	NA	70	100	
Ethyl Benzene	< 7.2	< 7.2	< 7.2	5 U	< 7.2	< 7.2	< 7.2	5 U	29	700	
Methylene Chloride	< 2.8	< 2.8	< 50	5 U	< 2.8	< 2.8	< 50	5 U	5	5(1)	
Toluene	< 6	< 6	< 6	5 U	< 6	< 6	< 6	5 U	1000	1000	
Trichloroethene	7.4	8.6	< 1	5 U	49	34	24	5 U	2.8	5	
Trichlorofluoromethane	< 3.2	< 3.2	< 3.2	NA	< 3.2	< 3.2	< 3.2	NA	-	-	
Xylene (total)	< 12	< 12	< 12	5 U	< 12	< 12	< 12	5 U	400	10000	
SEMI-VOLATILES:											
bis(2-Ethylhexyl)phthalate	NA	NA	NA	10 U	NA	NA	NA	10 U	-	-	
Methylnaphthalene, 2-	NA	NA	NA	10 U	NA	NA	NA	10 U	-	-	
Naphthalene	NA	NA	NA	10 U	NA	NA	NA	10 U	-	-	
Oil & Grease	400	< 100	< 200	NA	300	600	< 200	NA	-	-	
Total Lead	29	< 27	< 49.2	186	< 27	< 27	< 49.2	45.2	50	15 (2)	

NOTES:

* - North Carolina water quality standards for groundwater.

<X - Less than detection limit

NA - Not analyzed

(-) - No standard set

1 - Proposed MCL

2 - MCL is Action Level for Public Water Supply Systems, effective November 6, 1991.

3 - Two proposed MCLs

QUALIFIERS:

U - Compound was analyzed, but not detected.

B - Analyte found in associated blank, organics

- Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics

TABLE 4-4 (cont)
 CONSTITUENTS DETECTED IN GROUNDWATER
 BUILDINGS 1502, 1601 AND 1602

WELL NUMBER UNIT	HPGW10				HPGW11				STANDARDS	
	ug/L				ug/L				North Carolina*	Primary MCLs
DATE SAMPLED	1/14/87	3/9/87	5/28/87	1/18/91	1/14/87	3/9/87	5/28/87	1/18/91	ug/L	ug/L
INORGANICS:										
Aluminum	NA	NA	NA	348000	NA	NA	NA	95200	-	-
Antimony				22 U				22 U	-	10/5 (3)
Arsenic				39.9				9.1 B	50	50
Barium				492				298	1000	2000
Beryllium				5.6				2.1 U	-	1 (1)
Calcium				56200				9730	-	-
Chromium				310				140	50	100
Cobalt				31.4 B				6.4 U	-	-
Copper				72.2				30	1000	1300 (2)
Iron				119000				31800	300	-
Lead				186				45.2	50	15 (2)
Magnesium				14900				11200	-	-
Manganese				255				130	50	-
Mercury				0.82				0.1 B	1.1	2
Nickel				92.2				23.6 B	150	100(1)
Potassium				17100				7320	-	-
Selenium				1.6 U				3.7 B	10	50
Sodium				3950 B				5410	-	-
Vanadium				376				166	-	-
Zinc				224				94	5000	-
Cyanide				10 U				10 U	154	200(1)

NOTES:

* - North Carolina water quality standards for groundwater.

<X - Less than detection limit

NA - Not analyzed

(-) - No standard set

1 - Proposed maximum contaminant level (MCL)

2 - MCL is Action Level for Public Water Supply Systems.

3 - Two proposed MCLs

QUALIFIERS:

U - Compound was analyzed, but not detected.

B - Analyte found in associated blank, organics

- Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics

**TABLE 4-5
CONSTITUENTS DETECTED IN GROUNDWATER
BUILDING 1202**

WELL NUMBER UNITS	HPGW15				HPGW16				STANDARDS		
	ug/L				ug/L				North Carolina*	Primary MCLs	
	DATE SAMPLED	1/15/87	3/9/87	5/28/87	1/18/91	1/15/87	3/10/87	5/28/87	1/18/91	ug/L	ug/L
VOLATILES:											
Dichloroethylene (total), 1,2-	< 2.8	2.8	2.8	7	< 2.8	< 2.8	< 2.8	5	U	-	-
Trichloroethene	< 3	3	1	4 J	< 3	< 3	< 1	5	U	2.8	5
Trichlorofluoromethane	< 3.2	3.2	7.1	N/A	< 3.2	< 3.2	< 3.2	N/A		-	-
Oil & Grease	< 100	100	200	N/A	200	3000	< 200	N/A		-	-
Total Lead	46	27	49.2	16.6	45	41	< 49.2	100		50	15 (2)
INORGANICS:											
Aluminum	NA	NA	NA	18500	NA	NA	NA	213000		-	-
Antimony				22 U				22 U		-	10/5(3)
Arsenic				1.8 U				17.3		50	50
Barium				119 B				276		1000	2000
Beryllium				2.1 U				5.3		-	1 (4)
Calcium				12000				33400		-	-
Chromium				21.4				209		-	100
Cobalt				6.4 U				18.7 B		-	-
Copper				12.2 B				44.6 B		1000	1300 (2)
Iron				4800				47200		300	-
Lead				16.6				100		50	15 (2)
Magnesium				5650				8110		-	-
Manganese				18.3				98.3		50	-
Mercury				0.1 U				0.13 B		1.1	2
Nickel				11 U				41		150	100(4)
Potassium				3390 B				12100		-	-
Sodium				6950				4960		-	-
Thallium				1.1 U				1.4 B		-	2/1(3)
Vanadium				24.9 B				225		-	-
Zinc				88.1				157		5000	-
PESTICIDES:											
Dieldrin				0.1 U				0.1 U		-	-

NOTES:

- * - North Carolina water quality criteria for groundwater.
- NA - Not analyzed
- (-) - No standard set
- <X - Less than detection limit
- 1 - Well HPGW18 could not be located during the supplemental investigation.
- 2 - Maximum contaminant level (MCL) is Action Level for Public Water Supply Systems.
- 3 - Two proposed MCLs
- 4 - Proposed MCL

QUALIFIERS:

- U - Compound was analyzed, but not detected
- B - Analyte found in associated blank, organics
- Reported value is < Contract Required Detection Limit
- but > Instrument Detection Limit, inorganics
- J - Value is estimated

**TABLE 4-5 (cont)
CONSTITUENTS FOUND IN GROUNDWATER
BUILDING 1202**

WELL NUMBER UNITS DATE SAMPLED	HPGW17				HPGW18 (1)				STANDARDS	
	ug/L				ug/L				North Carolina*	Primary MCLs
	1/15/87	3/10/87	5/28/87	1/18/91	1/15/87	3/8/87	5/27/87	1/18/91	ug/L	ug/L
VOLATILES:										
Dichloroethylene (total), 1,2-	< 2.8	< 2.8	< 2.8	5 U	< 2.8	< 2.8	< 2.8	NA	-	-
Trichloroethene	< 3	< 3	< 1	5 U	< 1	< 3	< 1	NA	2.8	5
Trichlorofluoromethane	< 3.2	< 3.2	< 3.2	N/A	< 3.2	< 3.2	< 3.2	NA	-	-
Oil & Grease	< 100	3000	< 200	N/A	< 100	2000	< 200	NA	-	-
Total Lead	< 27	< 27	< 49.2	23.7	< 27	< 27	< 49.2	NA	50	15 (2)
INORGANICS:										
Aluminum	NA	NA	NA	29000	NA	NA	NA	NA	-	-
Antimony				22 U					-	10/5(3)
Arsenic				1.8 U					50	50
Barium				70.1 B					1000	2000
Beryllium				2.1 U					-	1 (4)
Calcium				60800					-	-
Chromium				37					-	100
Cobalt				6.4 U					-	-
Copper				20 B					1000	1300 (2)
Iron				10500					300	-
Lead				23.7					50	15 (2)
Magnesium				6790					-	-
Manganese				31.3					50	-
Mercury				0.1 U					1.1	2
Nickel				11.9 B					150	100(4)
Potassium				3530 B					-	-
Sodium				4480 B					-	-
Thallium				1.1 U					-	2/1(3)
Vanadium				52.1					-	-
Zinc				76.5					5000	-
PESTICIDES:										
Dieldrin				0.11					-	-

NOTES:

- * - North Carolina water quality criteria for groundwater.
- NA - Not analyzed
- (-) - No standard set
- <X - Less than detection limit
- 1 - Well HPGW18 could not be located during the supplemental investigation.
- 2 - Maximum contaminant level (MCL) is Action Level for Public Water Supply Systems.
- 3 - Two proposed MCLs
- 4 - Proposed MCL

QUALIFIERS:

- U - Compound was analyzed, but not detected
- B - Analyte found in associated blank, organics
- Reported value is < Contract Required Detection Limit
- but > Instrument Detection Limit, inorganics
- J - Value is estimated

TABLE 4-6
 CONSTITUENTS DETECTED IN GROUNDWATER
 BUILDING 1100

WELL NUMBER	HPGW19				STANDARDS	
	UNIT				North Carolina*	Primary MCLs
	DATE SAMPLED					
	1/16/87	3/10/87	5/28/87	1/18/91		
VOLATILES:						
Dichloroethylene (total),1,2-	NA	NA	NA	0.8 J	-	-
Dichloroethylene, trans,1,2-	2.5	< 1.6	< 1.6	NA	70	100
Tetrachloroethene	< 3	< 3	< 3	2 J	0.7	5
Trichloroethene	6	< 3	< 1	2 J	2.8	5
Oil & Grease	200	2000	< 200	NA	-	-
Total Lead	< 27	< 27	< 49.2	31.7	50	15 (1)
INORGANICS:						
Aluminum	NA	NA	NA	6840	-	-
Antimony				13.3 U	-	10/5 (2)
Arsenic				5 B	50	50
Barium				92.9 B	1000	2000
Beryllium				2.3 B	-	1 (1)
Calcium				3120 B	-	-
Chromium				13.8	50	100
Copper				8.6 B	1000	1300 (1)
Iron				36200	300	-
Lead				31.7	50	15 (1)
Magnesium				4200 B	-	-
Manganese				79	50	-
Nickel				7.3 B	150	100(1)
Potassium				2370 B	-	-
Silver				2.9 B	50	50 (4)
Sodium				23500	-	-
Vanadium				19.8 B	-	-
Zinc				81.1	5000	-

NOTES:

- * - North Carolina water quality standards for groundwater.
- NA - Not analyzed
- (-) - No standard set
- 1 - Proposed MCL
- 2 - MCL is Action Level for Public Water Supply Systems.
- 3 - Two proposed MCLs
- 4 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver's secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- B - Reported value is < Contract Required Detection Limit but > Instrument Detection Limit.
- J - Estimated value

TABLE 4-7
 CONSTITUENTS DETECTED IN GROUNDWATER
 BUILDINGS 901, 902, 903

WELL NUMBER	HPGW22								HPGW23				STANDARDS	
	UNITS								UNITS				North	Primary
	ug/L								ug/L				Carolina*	MCLs
DATE SAMPLED	1/19/87	3/11/87	5/29/87	1/18/91		1/19/87	3/11/87	5/29/87	1/18/91		ug/L	ug/L		
VOLATILES:														
Benzene	< 1	< 1	< 1	5	U	< 10	100	< 100	24		1	5		
Carbon Disulfide	NA	NA	NA	5	U	NA	NA	NA	5		-	-		
Dichloroethane,1,1-	< 4.7	< 4.7	< 4.7	5	U	< 47	470	< 470	5	U	-	-		
Dichloroethane,1,2-	< 2.8	< 2.8	< 2.8	5	U	< 28	280	< 280	5	U	0.38	5		
Dichloroethene,1,1-	NA	NA	NA	5	U	NA	NA	NA	5	U	7	7		
Dichloroethylene (total), 1,2-	NA	NA	NA	5	U	NA	NA	NA	8900		-	-		
Dichloroethylene, trans,1,2-	< 1.6	< 1.6	< 1.6	NA		830	6100	7100	NA		70	100		
Ethyl Benzene	< 7.2	< 7.2	< 7.2	5	U	< 72	720	< 720	9		29	700		
Methylene Chloride	< 2.8	< 2.8	< 50	9		< 28	300	< 5000	5	U	5	5 (1)		
Tetrachloroethene	< 3	< 3	< 3	5	U	< 30	200	< 200	5	U	0.7	5		
Toluene	< 6	< 6	< 6	5	U	< 60	600	< 600	13		1000	1000		
Trichloroethene	< 3	< 1	< 1	5	U	830	13000	4300	3700		2.8	5		
Trichloroethane, 1,1,2-	< 5	< 5	< 5	5	U	< 50	500	< 500	5	U	-	200		
Vinyl Chloride	< 1	< 1	< 1	10	U	< 10	100	< 100	8	J	0.015	2		
Xylene (total)	< 12	< 12	< 12	5	U	< 120	1200	< 1200	41		400	10000		
SEMI-VOLATILES:														
Acenaphthene	NA	NA	NA	3	J	NA	NA	NA	10		-	-		
Dibenzofuran				2	J				10		-	-		
Fluorene				5	J				10		-	-		
bis(2-ethylhexyl)Phthalate				10	U				3		-	-		
Naphthalene				10	U				10		-	-		
Methylnaphthalene, 2-				10	U				10		-	-		
Oil & Grease	1000	2000	< 200	NA		600	3000	< 200	NA		-	-		
Total Lead	27	< 27	< 49.2	39.4		38	27	< 49.2	45		50	15 (2)		

continued

TABLE 4-7 (cont)
CONSTITUENTS DETECTED IN GROUNDWATER
BUILDINGS 901, 902, 903

WELL NUMBER	HPGW22				HPGW23				STANDARDS	
	ug/L				ug/L				North Carolina*	Primary MCLs
UNITS	1/19/87	3/11/87	5/29/87	1/18/91	1/19/87	3/11/87	5/29/87	1/18/91	ug/L	ug/L
DATE SAMPLED										
INORGANICS:										
Aluminum	NA	NA	NA	71800	NA	NA	NA	82500	-	-
Antimony				24.6 B				24.6 B	-	10/5(3)
Arsenic				7.2 B				6.6 B	50	50
Barium				102 B				196 B	1000	1000
Beryllium				0.6 B				1 B	-	1(1)
Calcium				96300				7890	-	-
Chromium				79.8				76.3	50	100
Cobalt				6 U				11.9 B	-	-
Copper				40				30.5	1000	1300(2)
Iron				24400				23300	300	-
Lead				39.4				45	50	15(2)
Magnesium				5210				6050	-	-
Manganese				94.1				68.8	50	-
Mercury				0.1 U				0.1 U	1.1	2
Nickel				23.2 B				33.2 B	150	100(1)
Potassium				6930				3880 B	-	-
Silver				2.5 B				6.6 B	50	50(4)
Sodium				5300				6260	-	-
Vanadium				100				77.6	-	-
Zinc				77.4				89.3	5000	-
Cyanide				10 U				10 U	154	200(1)

NOTES:

- * - North Carolina water quality criteria for groundwater.
- NA - Not analyzed
- (-) - No standard set
- < - Less than detection limit
- 1 - Proposed maximum contaminant levels MCLs
- 2 - MCL is Action Level for Public Water Supply Systems.
- 3 - Two proposed MCLs
- 4 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- U - Compound was analyzed but not detected
- B - Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics
- J - estimated value
- D - Compound analyzed at a secondary dilution factor

continued

TABLE 4-7 (cont)
 CONSTITUENTS DETECTED IN GROUNDWATER
 BUILDINGS 901, 902, 903

WELL NUMBER UNITS DATE SAMPLED	HPGW24				HPGW25				STANDARDS		
	ug/L				ug/L				North Carolina*	Primary MCLs	
	1/19/87	3/11/87	5/29/87	1/18/91	1/19/87	3/11/87	5/29/87	1/18/91	ug/L	ug/L	
VOLATILES:											
Benzene	2	< 100	< 100	3 J	< 1	< 1	< 1	5 U	1	5	
Carbon Disulfide	NA	NA	NA	7	NA	NA	NA	5 U	-	-	
Dichloroethane,1,1-	12	< 470	< 470	5 U	< 4.7	< 4.7	< 4.7	5 U	-	-	
Dichloroethane,1,2-	< 280	< 280	< 280	0.8 J	< 2.8	< 2.8	< 2.8	5 U	0.38	5	
Dichloroethene,1,1-	NA	NA	NA	65	NA	NA	NA	5 U	7	7	
Dichloroethylene (total), 1,2-	NA	NA	NA	42000 D	NA	NA	NA	5 U	-	-	
Dichloroethylene, trans,1,2-	6400	4300	4000	NA	< 1.6	< 1.6	< 1.6	NA	70	100	
Ethyl Benzene	< 720	< 720	< 720	3 J	< 7.2	< 7.2	< 7.2	5 U	29	700	
Methylene Chloride	< 280	< 280	< 5000	5 U	< 2.8	2.9	< 50	5 U	5	5 (1)	
Tetrachloroethene	< 300	< 200	< 200	5 U	< 3	< 3	< 3	5 U	0.7	5	
Toluene	< 600	< 600	< 600	13	< 6	< 6	< 6	5 U	1000	1000	
Trichloroethene	57	< 100	< 100	180	< 3	< 1	< 1	5 U	2.8	5	
Trichloroethane, 1,1,2-	< 500	< 500	< 500	3 J	< 5	< 5	< 5	5 U	-	200	
Vinyl Chloride	190	< 100	250	25000 U	< 1	< 1	< 1	10 U	0.015	2	
Xylene (total)	< 1200	< 1200	< 1200	10	< 12	< 12	< 12	5 U	400	10000	
SEMI-VOLATILES:											
Acenaphthene	NA	NA	NA	6 J	NA	NA	NA	10 U	-	-	
Dibenzofuran				10 U				10 U	-	-	
Fluorene				10 U				10 U	-	-	
bis(2-ethylhexyl)Phthalate				10 U				10 U	-	-	
Naphthalene				130				10 U	-	-	
Methylnaphthalene, 2-				3 J				10 U	-	-	
Oil & Grease	100	2000	< 200	NA	200	300	< 200	NA	-	-	
Total Lead	< 27	< 27	< 49.2	21.4	< 27	< 27	< 49.2	71.6	50	15 (2)	

continued

TABLE 4-7 (cont)
CONSTITUENTS DETECTED IN GROUNDWATER
BUILDINGS 901, 902, 903

WELL NUMBER UNITS	HPGW24				HPGW25				STANDARDS		
	ug/L				ug/L				North Carolina*	Primary MCLs	
	DATE SAMPLED	1/19/87	3/11/87	5/29/87	1/18/91	1/19/87	3/11/87	5/29/87	1/18/91	ug/L	ug/L
INORGANICS:											
Aluminum	NA	NA	NA	15400	NA	NA	NA	218000	-	-	
Antimony				22 U				13.3 U	-	10/5(3)	
Arsenic				4.2 B				13.2	50	50	
Barium				60.1 B				289	1000	1000	
Beryllium				2.1 U				2.8 B	-	1(1)	
Calcium				16600				6270	-	-	
Chromium				26.3				205	50	100	
Cobalt				6.4 U				10.5 B	-	-	
Copper				11.5 B				57.7	1000	1300(2)	
Iron				19200				46600	300	-	
Lead				21.4				71.6	50	15(2)	
Magnesium				2430 B				10000	-	-	
Manganese				54.8				118	50	-	
Mercury				0.1 U				0.1 U	1.1	2	
Nickel				14 U				39.2 B	150	100(1)	
Potassium				3130 B				13100	-	-	
Silver				6.2 U				3.9 B	50	50(4)	
Sodium				11800				18200	-	-	
Vanadium				39.2 B				259	-	-	
Zinc				70.5				119	5000	-	
Cyanide				10 U				10 U	154	200(1)	

NOTES:

- * - North Carolina water quality criteria for groundwater.
- NA - Not analyzed
- (-) - No standard set
- < - Less than detection limit
- 1 - Proposed maximum contaminant levels MCLs
- 2 - MCL is Action Level for Public Water Supply Systems.
- 3 - Two proposed MCLs
- 4 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- U - Compound was analyzed but not detected
- B - Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics
- J - estimated value
- D - Compound analyzed at a secondary dilution factor

**TABLE 4-8
CONSTITUENTS DETECTED IN GROUNDWATER
TRANSFORMER STORAGE AREA**

WELL NUMBER	21GW1	STANDARDS	
		North Carolina*	Primary MCLs
UNITS	ug/L		
DATE SAMPLED	1/18/91	ug/L	ug/L
INORGANICS:			
Aluminum	40400	-	-
Antimony	17 B	-	10/5(1)
Arsenic	41.4	50	50
Barium	71 B	1000	2000
Beryllium	1.1 B	-	1 (2)
Calcium	60400	-	-
Chromium	39	50	100
Cobalt	10.8 B	-	-
Copper	13.2 B	1000	1300(3)
Iron	54900	300	-
Lead	15.8	50	15 (3)
Magnesium	10300	-	-
Manganese	200	50	-
Mercury	0.35	1.1	2
Nickel	21.4 B	150	100(2)
Potassium	4400 B	-	-
Sodium	17400	-	-
Vanadium	138	-	-
Zinc	233	5000	-
Cyanide	10 U	154	200(2)

NOTES:

- * - North Carolina water quality criteria for groundwater.
- 1 - Two proposed MCLs
- 2 - Proposed MCL
- 3 - MCL is Action Level for Public Water Supply Systems.
- 4 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- U - Compound was analyzed for but not detected
- B - Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics

**TABLE 4-9
CONSTITUENTS DETECTED IN GROUNDWATER
MONITORING WELLS PAIRED TO WATER SUPPLY WELLS**

WELL NUMBER SUPPLY WELL NUMBER UNITS DATE SAMPLED	HPGW2 Well 608				HPGW13 Well 601/660				HPGW20 Well 602				STANDARDS	
	ug/L				ug/L				ug/L				North Carolina*	Primary MCLs
	1/09/8	3/08/8	5/27/8	1/18/91	1/14/8	3/09/8	5/28/8	1/18/91	1/16/8	3/10/8	5/28/8	1/18/91	ug/L	ug/L
ORGANICS:														
Acetone	NA	NA	NA	10 U	NA	N/A	NA	10 U	NA	NA	NA	10 U	-	-
Benzene	12	< 1	< 1	5 U	< 1	< 1	< 1	5 U	< 1	< 1	< 1	5 U	1	5
Carbon disulfide	NA	NA	NA	5 U	NA	N/A	NA	5 U	NA	NA	NA	2 J	-	-
Chloromethane	5	< 4.3	< 4.3	10 U	< 4.3	< 4.3	< 4.3	10 U	< 4.3	< 4.3	< 4.3	10 U	-	-
Methylene chloride	< 2.8	< 2.8	< 50	5 U	< 2.8	< 2.8	< 50	1 J	< 2.8	3.4	< 50	0.9 J	5	5 (1)
Toluene	38	< 6	< 6	5 U	< 6	< 6	< 6	5 U	< 6	< 6	< 6	5 U	1000	1000
Xylene (total)	28	< 12	< 12	5 U	< 12	< 12	< 12	5 U	< 12	< 12	< 12	5 U	400	10000
Oil & Grease	700	< 100	< 200	NA	200	< 100	< 200	NA	< 100	3000	< 200	NA	-	-
Total Lead	< 27	< 27	< 49.2	29.4	< 27	< 27	< 49.2	9	46	33	< 49.2	20	50	15 (2)
INORGANICS:														
Aluminum	NA	NA	NA	56000	NA	NA	NA	13500	NA	NA	NA	289000	-	-
Antimony				15.6 B				13.3 U				21.9 B	-	10/5(3)
Arsenic				24.1				47				49.4	50	50
Barium				84.4 B				129 B				814	1000	2000
Beryllium				1.7 B				0.59 B				9.5	-	1 (1)
Calcium				46800				4100 B				6370	-	-
Chromium				64.3				48.9				424	50	100
Cobalt				6.1 B				9.3 B				80.8	-	-
Copper				17.3 B				17 B				97.7	1000	1300(2)
Iron				34800				33500				152000	300	-
Lead				29.4				9				20	50	15 (2)
Magnesium				3980 B				7700				18000	-	-
Manganese				77.7				30.3				217	50	-
Mercury				0.1 U				0.1 U				0.5	1.1	2
Nickel				16.9 B				21.1 B				168	150	100(1)
Potassium				4820 B				4520 B				16600	-	-
Selenium				3.6 B				3.4 U				3.4 U	10	50
Silver				1.6 U				2.1 B				4.3 B	50	50 (4)
Sodium				3680 B				18100				11000	-	-
Vanadium				160				40.5 B				419	-	-
Zinc				88.2				127				637	5000	-
Cyanide				11.2 U				10 U				10 U	154	200(1)

NOTES:
 * - North Carolina water quality criteria for groundwater.
 NA - Not analyzed
 (-) - No standard set
 <X - Less than detection limit
 1 - Proposed MCL

2 - MCL is Action Level for Public Water Supply Systems.
 3 - Two proposed MCLs
 4 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver will no longer have a MCL, it's secondary MCL of 100 ug/L will become effective.

QUALIFIERS:
 U- Compound was analyzed for but not detected.
 B- Analyte found in associated blank, organics
 - Reported value is <Contract Required Detection Limit
 - but > Instrument Detection Limit, inorganics
 J - Value is estimated

TABLE 4-9 (cont)
CONSTITUENTS DETECTED IN GROUNDWATER
MONITORING WELLS PAIRED TO WATER SUPPLY WELLS

WELL NUMBER SUPPLY WELL NUMBER UNITS	HPGW25				HPGW26				STANDARDS	
	Well 634				Well 637				North Carolina*	Primary MCLs
	ug/L				ug/L				ug/L	ug/L
DATE SAMPLED	1/19/87	3/11/87	5/29/87	1/18/91	1/19/87	3/12/87	5/29/87	1/18/91		
ORGANICS:										
Acetone	NA	NA	NA	10 U	NA	NA	NA	7 B	-	-
Benzene	< 1	< 1	< 1	5 U	< 1	< 1	< 1	5 U	1	5
Carbon disulfide	NA	NA	NA	5 U	NA	NA	NA	2 J	-	-
Chloromethane	< 4.3	< 4.3	< 4.3	10 U	< 4.3	< 4.3	< 4.3	10 U	-	-
Methylene chloride	< 2.8	2.9	< 50	5 U	< 2.8	6.5	< 50	3 J	5	5 (1)
Toluene	< 6	< 6	< 6	5 U	< 6	< 6	< 6	5 U	1000	1000
Xylene (total)	< 12	< 12	< 12	5 U	< 12	< 12	< 12	5 U	400	10000
Oil & Grease	200	300	< 200	NA	200	2000	< 200	NA	-	-
Total Lead	< 27	< 27	< 49.2	71.6	31	< 27	< 49.2	9	50	15 (2)
INORGANICS:										
Aluminum	NA	NA	NA	218000	NA	NA	NA	10400	-	-
Antimony				13.3 U				13.3 U	-	10/5(3)
Arsenic				13.2				1.5 U	50	50
Barium				289				72 B	1000	2000
Beryllium				2.8 B				0.5 U	-	1 (1)
Calcium				6270				2830 B	-	-
Chromium				205				13	50	100
Cobalt				10.5 B				6 U	-	-
Copper				57.7				9.1 B	1000	1300(2)
Iron				46600				19000	300	-
Lead				71.6				9	50	15 (2)
Magnesium				10000				1830 B	-	-
Manganese				118				10.6 B	50	-
Mercury				0.1 U				0.1 U	1.1	2
Nickel				39.2 B				5.2 U	150	100(1)
Potassium				13100				2230 B	-	-
Selenium				3.4 U				3.4 U	10	50
Silver				3.9 B				1.6 U	50	50 (4)
Sodium				18200				5910	-	-
Vanadium				259				149	-	-
Zinc				119				68.1	5000	-
Cyanide				10 U				10 U	154	200(1)

NOTES:

- * - North Carolina water quality criteria for groundwater.
- NA - Not analyzed
- (-) - No standard set
- <X - Less than detection limit
- 1 - Proposed MCL

- 2 - MCL is Action Level for Public Water Supply Systems.
- 3 - Two proposed MCLs
- 4 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver will no longer have a MCL, it's secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- U - Compound was analyzed for but not detected.
- B - Analyte found in associated blank, organics
- Reported value is <Contract Required Detection Limit
- but >Instrument Detection Limit, inorganics
- J - Value is estimated

**TABLE 4-10
CONSTITUENTS DETECTED IN GROUNDWATER
OTHER MONITORING WELLS**

WELL NUMBER LOCATION DESCRIP UNITS	HPGW12 Midway between Bldgs. 1202 & 1501				HPGW14 Midway between HPIA & Well 601				STANDARDS		
	ug/L				ug/L				North Carolina*	Primary MCLs	
	DATE SAMPLED	1/14/87	3/08/87	5/27/87	1/18/91	1/14/87	3/09/87	5/28/87	1/18/91	ug/L	ug/L
ORGANICS:											
Acetone	NA	NA	NA	10 U	NA	N/A	NA	10 U	-	-	
Ethylbenzene	< 7.2	< 7.2	< 7.2	5 U	< 7.2	< 7.2	< 7.2	5 U	29	700	
Methylene chloride	< 2.8	< 2.8	< 50	5 U	< 2.8	< 2.8	< 50	5 U	5	5 (1)	
Tetrachloroethene	< 3	3.6	< 3	5 U	< 3	< 3	< 3	5 U	0.7	5	
Trichloroethene	< 3	< 3	< 1	5 U	< 3	< 3	< 1	5 J	2.8	5	
Xylene (total)	< 12	< 12	< 12	5 U	< 12	< 12	< 12	5 U	400	10000	
Oil & Grease	200	< 100	< 200	NA	200	< 100	< 300	NA	-	-	
Total Lead	< 27	< 27	< 49.2	15.7	< 27	< 27	< 49.2	66.5	50	15 (2)	
INORGANICS:											
Aluminum	NA	NA	NA	24000	NA	NA	NA	109000	-	-	
Antimony				22 U				13.3 U	-	10/5(3)	
Arsenic				1.8 U				45.6	50	50	
Barium				91.5 B				299	1000	2000	
Beryllium				2.1 U				2.7 B	-	1 (1)	
Calcium				34100				4340 B	-	-	
Chromium				25.5				127	50	100	
Cobalt				6.4 B				12.9 B	-	-	
Copper				5.9 B				34.8	1000	1300(2)	
Iron				5600				87200	300	-	
Lead				15.7				66.5	50	15 (2)	
Magnesium				7700				8770	-	-	
Manganese				18.3				80	50	-	
Mercury				0.1 U				0.26	1.1	2	
Nickel				11 U				41.6	150	100(1)	
Potassium				2600 B				6890	-	-	
Selenium				5.8				3.4 U	10	50	
Silver				6.2 U				2.5 B	50	50 (4)	
Sodium				9310				11500	-	-	
Vanadium				31.1				163	-	-	
Zinc				46.6				206	5000	-	
Cyanide				10 U				10 U	154	200(1)	

NOTES:

- * - North Carolina water quality standards for groundwater.
 - <X - Less than detection limit
 - NA - Not analyzed
 - 1 - Proposed MCL
 - 2 - MCL is Action Level for Public Water Supply Systems.
 - 3 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.
 - 4 - Two proposed MCLs
- QUALIFIERS:**
- U - Compound was analyzed for but not detected.
 - B - Analyte found in associated blank, organics
 - Reported value is <Contract Required Detection Limit but >Instrument Detection Limit, inorganics
 - J - Value is estimated

TABLE 4-10 (cont)
CONSTITUENTS DETECTED IN GROUNDWATER
OTHER MONITORING WELLS

WELL NUMBER LOCATION DESCRIP UNITS	HPGW21 NW of Fuel Tank Farm				HPGW29 Next to Building 1801				STANDARDS		
	ug/L				ug/L				North Carolina*	Primary MCLs	
	DATE SAMPLED	1/16/87	3/10/87	5/28/87	1/18/91	1/20/87	3/12/87	5/29/87	1/18/91	ug/L	ug/L
ORGANICS:											
Acetone	NA	NA	NA	4 B	NA	NA	NA	10 U	-	-	
Ethylbenzene	< 7.2	< 7.2	< 7.2	0.9 J	< 7.2	< 7.2	< 7.2	5 U	29	700	
Methylene chloride	< 2.8	< 2.8	< 50	4 J	< 2.8	< 2.8	< 50	0.9 J	5	5 (1)	
Tetrachloroethene	< 3	< 3	< 3	5 U	< 3	< 3	< 3	5 U	0.7	5	
Trichloroethene	< 3	< 1	< 1	3 J	< 3	< 3	< 1	5 U	2.8	5	
Xylene (total)	< 12	< 12	< 12	5	< 12	< 12	< 12	5 U	400	10000	
Oil & Grease	200	2000	< 200	NA	200	< 100	< 200	NA	-	-	
Total Lead	< 27	< 27	< 49.2	49.4	< 27	52	< 49.2	29.1	50	15 (2)	
INORGANICS:											
Aluminum	NA	NA	NA	38500	NA	NA	NA	47800	-	-	
Antimony				13.3 U				13.3 U	-	10/5(3)	
Arsenic				12.1				25.6	50	50	
Barium				114 B				633	1000	2000	
Beryllium				3.7 B				8.7	-	1 (1)	
Calcium				26100				59200	-	-	
Chromium				45				179	50	100	
Cobalt				17.6 B				17.8 B	-	-	
Copper				28.3				39.9	1000	1300(2)	
Iron				56600				76200	300	-	
Lead				49.4				29.1	50	15 (2)	
Magnesium				10200				15000	-	-	
Manganese				136				236	50	-	
Mercury				0.1 U				0.1 U	1.1	2	
Nickel				30.8 B				93.5	150	100(1)	
Potassium				5160				5900	-	-	
Selenium				3.5 B				3.4 U	10	50	
Silver				1.6 U				3.1 B	50	50 (4)	
Sodium				11800				7850	-	-	
Vanadium				178				108	-	-	
Zinc				273				329	5000	-	
Cyanide				10 U				10 U	154	200(1)	

NOTES:

* - North Carolina water quality standards for groundwater.

<X - Less than detection limit

NA - Not analyzed

1 - Proposed MCL

2 - MCL is Action Level for Public Water Supply Systems.

3 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver will no longer have a primary MCL, its secondary MCL of 100 ug/L will become effective.

4 - Two proposed MCLs

QUALIFIERS:

U - Compound was analyzed for but not detected.

B - Analyte found in associated blank, organics

Reported value is < Contract Required Detection Limit but

> Instrument Detection Limit, inorganics

J - Value is estimated

**TABLE 5-1
FREQUENCY SUMMARY TABLE FOR WELLS LOCATED SOUTHWEST OF CEDAR STREET**

WELL NUMBER UNIT DATE SAMPLED	MIN ug/L 1/87	MAX ug/L 1/87	FREQUENCY OF DETECTS 1/87	MIN ug/L 3/87	MAX ug/L 3/87	FREQUENCY OF DETECTS 3/87	STANDARDS		NO. OF DETECTS GREATER THAN STANDARDS 1991 DATA ONLY	
							North Carolina*	Primary MCLs	North Carolina	Primary MCLs
							ug/L	ug/L		
Acetone	NA	NA	NA	NA	NA	NA	-	-	-	-
Benzene	1.40	43.0	4	3.2	3.9	2	1	5	-	-
Carbon Disulfide	NA	NA	NA	NA	NA	NA	-	-	-	-
Chloroform	ND	3.2	1	ND	2.2	1	0.19	-	1/1	-
Chloromethane	5.0	7.2	2	ND	ND	-	-	-	-	-
Dichloroethene (total),1,2-	NA	NA	NA	NA	NA	NA	-	-	-	-
Dichloroethene,trans-1,2-	1.9	740.0	3	2.2	7.2	2	70	100	-	-
Ethylbenzene	8.2	1100.0	3	ND	9.0	1	29	700	1/1	1/1
Methylene Chloride	ND	20.0	1	ND	ND	-	5	5(1)	-	-
Tetrachloroethene	ND	ND	-	ND	3.6	1	0.7	5	-	-
Toluene	35.0	100.0	3	8.2	12.0	2	1000	1000	-	-
Trichloroethane,1,1,1-	ND	ND	-	ND	13.0	1	200	200	-	-
Trichloroethene	3.4	5000.0	4	8.6	6100.0	3	2.8	5	3/5	2/5
Trichlorofluoromethane	ND	14.0	1	ND	96.0	1	-	-	-	-
Xylene (total)	28.0	4500.0	3	ND	ND	-	400	10000	1/1	-
Oil & Grease	100.0	3000.0	15	200.0	11000.0	5	-	-	-	-
SEMI-VOLATILES: bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	-	-	-	-
Methylnaphthalene,2-							-	-	-	-
Naphthalene							-	-	-	-

NOTES:

- * - North Carolina water quality standards for groundwater.
- NA - Not analyzed
- NE - Not evaluated
- <X - Less than detection limit
- (-) - No standard set or no detects
- 1 - Proposed MCL
- 2 - Two proposed MCLs
- 3 - MCL is Action Level for Public Water Supply Systems.
- 4 - Silver currently has an MCL of 50 ug/L. As of 7/30/92, silver's secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- B - analyte found in associated blank, organics
- Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics
- J - Value is estimated

TABLE 5-1 (cont)
FREQUENCY SUMMARY TABLE FOR WELLS LOCATED SOUTHWEST OF CEDAR STREET

WELL NUMBER	MIN ug/L	MAX ug/L	FREQUENCY OF DETECTS	MIN ug/L	MAX ug/L	FREQUENCY OF DETECTS	STANDARDS		NO. OF DETECTS GREATER THAN STANDARDS	
							North Carolina*	Primary MCLs	1991 DATA ONLY	
							ug/L	ug/L	North Carolina	Primary MCLs
UNIT	1/87	1/87	1/87	3/87	3/87	3/87				
DATE SAMPLED	1/87	1/87	1/87	3/87	3/87	3/87				
INORGANICS:										
Aluminum	NA	NA	NA	NA	NA	NA	-	-	-	-
Antimony							-	10/5(2)	-	4/4
Arsenic							50	50	-	-
Barium							1000	2000	1/16	1/16
Beryllium							-	1(1)	-	9/12
Calcium							-	-	-	-
Chromium							50	100	11/16	7/16
Cobalt							-	-	-	-
Copper							1000(4)	1300(3)	-	-
Iron							300	-	16/16	-
Lead							50	15(3)	7/16	13/16
Magnesium							-	-	-	-
Manganese							50	-	11/16	-
Mercury							1	2	1/16	-
Nickel							150	100(1)	1/12	1/12
Potassium							-	-	-	-
Selenium							10	50	-	-
Silver							50	50(4)	-	-
Sodium							-	-	-	-
Vanadium							-	-	-	-
Zinc							5000	-	-	-

NOTES:

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- 1 - Proposed MCL
- 2 - Two proposed MCLs
- 3 - MCL is Action Level for Public Water Supply Systems.
- 4 - Silver currently has an MCL of 50 ug/L. As of 7/30/92, silver's secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- B - analyte found in associated blank, organics
- Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics
- J - Value is estimated

TABLE 5-1 (cont)
FREQUENCY SUMMARY TABLE FOR WELLS LOCATED SOUTHWEST OF CEDAR STREET

WELL NUMBER UNIT DATE SAMPLED	MIN ug/L 5/87	MAX ug/L 5/87	FREQUENCY OF DETECTS 5/87	MIN ug/L 1/18/91	MAX ug/L 1/18/91	FREQUENCY OF DETECTS 1/18/91	AVG ug/L 1/18/91	GEOMETRIC MEAN 1/18/91	STANDARDS		NO. OF DETECTS GREATER THAN STANDARDS 1991 DATA ONLY		
									North Carolina*	Primary MCLs	North Carolina	Primary MCLs	
									ug/L	ug/L			
Acetone	NA	NA	NA	10.0	J	40.0	2/16	7.4	5.9	-	-	-	-
Benzene	ND	1.6	1	ND		ND	-	-	-	1	5	-	-
Carbon Disulfide	NA	NA	NA	11.0		13.0	2/16	3.6	3.0	-	-	-	-
Chloroform	ND	2.6	1	ND		15.0	1/16	3.2	2.8	0.19	-	1/1	-
Chloromethane	ND	ND	-	ND		ND	-	-	-	-	-	-	-
Dichloroethene (total),1,2-	NA	NA	NA	7.0	J	1200.0	3/16	77.1	4.6	-	-	-	-
Dichloroethene,trans-1,2-	4.4	2700.0	3	NA		NA	NA	NA	NA	70	100	-	-
Ethylbenzene	ND	ND	-	ND		700.0	1/16	43.5	3.6	29	700	1/1	1/1
Methylene Chloride	ND	ND	-	0.9	J	3.0	B	4/16	2.4	5	5(1)	-	-
Tetrachloroethene	ND	ND	-	ND		ND	-	-	-	0.7	5	-	-
Toluene	ND	ND	-	ND		330.0	J	1/16	21.8	3.4	1000	1000	-
Trichloroethane,1,1,1-	ND	ND	-	ND		ND	-	-	-	200	200	-	-
Trichloroethene	7.7	24.0	2	0.9	J	14000.0	5/16	831.0	5.1	2.8	5	3/5	2/5
Trichlorofluoromethane	ND	7.1	1	NA		NA	NA	NA	NA	-	-	-	-
Xylene (total)	ND	4000.0	1	ND		3300.0	1/16	196.5	3.9	400	10000	1/1	-
Oil & Grease	200.0	600.0	2	NA		NA	NA	NA	NA	-	-	-	-
SEMI-VOLATILES:													
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND		2	J	2/16	4.8	4.7	-	-	-
Methylnaphthalene,2-				ND		49		1/16	7.8	5.8	-	-	-
Naphthalene				ND		190		1/16	16.6	6.3	-	-	-

NOTES:

- * - North Carolina water quality standards for groundwater.
- NA - Not analyzed
- NE - Not evaluated
- <X - Less than detection limit
- (-) - No standard set or no detects
- 1 - Proposed MCL
- 2 - Two proposed MCLs
- 3 - MCL is Action Level for Public Water Supply Systems.
- 4 - Silver currently has an MCL of 50 ug/L. As of 7/30/92, silver's secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- B - analyte found in associated blank, organics
- Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics
- J - Value is estimated

TABLE 5-1 (cont)
FREQUENCY SUMMARY TABLE FOR WELLS LOCATED SOUTHWEST OF CEDAR STREET

WELL NUMBER UNIT DATE SAMPLED	MIN ug/L 5/87	MAX ug/L 5/87	FREQUENCY OF DETECTS 5/87	MIN ug/L 1/18/91	MAX ug/L 1/18/91	FREQUENCY OF DETECTS 1/18/91	AVG ug/L 1/18/91	GEOMETRIC MEAN 1/18/91	STANDARDS		NO. OF DETECTS GREATER THAN STANDARDS 1991 DATA ONLY	
									North Carolina*	Primary MCLs	North Carolina	Primary MCLs
									ug/L	ug/L		
INORGANICS:												
Aluminum	NA	NA	NA	3580.0	1050000	16/16	139017.5	56533.4	-	-	-	-
Antimony				15.6 B	46.5 B	4/16	13	11.0	-	10/5(2)	-	4/4
Arsenic				3.0 B	47.0	13/16	19.6	10.7	50	50	-	-
Barium				13.6 B	1960	6/16	348.6	191.1	1000	2000	1/16	1/16
Beryllium				0.6 B	20	12/16	4	2.3	-	1(1)	-	9/12
Calcium				4100.0 B	91900	6/16	44891.9	23164.3	-	-	-	-
Chromium				3.6 B	1590	16/16	204.5	82.9	50	100	11/16	7/16
Cobalt				6.1 B	51.9	10/16	12.2	8.0	-	-	-	-
Copper				4.1 B	194	16/16	36	22.4	1000(4)	1300(3)	-	-
Iron				3100.0	265000	16/16	60118.8	33308.8	300	-	16/16	-
Lead				9.0	186	16/16	53.8	36.3	50	15(3)	7/16	13/16
Magnesium				2580.0 B	49700	16/16	11934.4	9323.5	-	-	-	-
Manganese				18.3	487	16/16	146.6	93.4	50	-	11/16	-
Mercury				0.1 B	1.4	6/16	0.2	0.1	1	2	1/16	-
Nickel				12.1 B	161	12/16	40.9	24.4	150	100(1)	1/12	1/12
Potassium				2230.0 B	55300	16/16	9395	6301.9	-	-	-	-
Selenium				2.6 B	5.8	7/16	2.6	2.2	10	50	-	-
Silver				2.1 B	4.7 B	5/16	2.3	2.0	50	50(4)	-	-
Sodium				3680.0 B	22400	16/16	10821.3	9501.9	-	-	-	-
Vanadium				24.9 B	1610	15/16	270.4	102.7	-	-	-	-
Zinc				46.6	4590	16/16	169.6	137.6	5000	-	-	-

NOTES:

- * - North Carolina water quality standards for groundwater.
- NA - Not analyzed
- NE - Not evaluated
- <X - Less than detection limit
- (-) - No standard set or no detects
- 1 - Proposed MCL
- 2 - Two proposed MCLs
- 3 - MCL is Action Level for Public Water Supply Systems.
- 4 - Silver currently has an MCL of 50 ug/L. As of 7/30/92, silver's secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- B - analyte found in associated blank, organics
- Reported value is < Contract Required Detection Limit but > Instrument Detection Limit, inorganics
- J - Value is estimated

**TABLE 5-2
DATA SUMMARY FOR WELLS NORTHEAST OF CEDAR STREET**

WELL NUMBER	MIN	MAX	FREQUENCY	MIN	MAX	FREQUENCY	MIN	MAX	FREQUENCY
UNIT	ug/L	ug/L	OF DETECTS	ug/L	ug/L	OF DETECTS	ug/L	ug/L	OF DETECTS
DATE SAMPLED	1/87	1/87	1/87	3/87	3/87	3/87	5/87	5/87	5/87
ORGANICS:									
Acetone	NA	NA	NA	NA	N/A	NA	NA	NA	NA
Benzene	2.0	12000.0	2.0	ND	10000.0	1.0	ND	13000.0	1.0
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloroethane,1,1-	ND	12.0	1.0	ND	ND	None	ND	ND	-
Dichloroethane,1,2-	ND	ND	None	ND	ND	None	ND	ND	-
Dichloroethene,1,1-	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloroethene (total),1,2-	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloroethene,trans-1,2-	2.5	6400.0	3.0	4300.0	6100.0	2.0	4000.0	7100.0	2.0
Ethylbenzene	ND	1800.0	1.0	ND	ND	None	ND	ND	-
Methylene chloride	ND	7.3	1.0	2.9	2800.0	5.0	ND	ND	-
Tetrachloroethene	ND	ND	None	ND	ND	None	ND	ND	-
Toluene	ND	15000.0	1.0	ND	18000.0	1.0	ND	24000.0	1.0
Trichloroethane,1,1,2-	ND	ND	None	ND	ND	None	ND	ND	-
Trichloroethene	6	830.0	3.0	ND	13000.0	1.0	ND	4300.0	1.0
Vinyl chloride	ND	190.0	1.0	ND	ND	None	ND	250.0	1.0
Xylene (total)	ND	9000.0	1.0	ND	ND	None	ND	ND	-
Oil & Grease	200	7000.0	10.0	300.0	11000.0	12.0	ND	9000.0	1.0
SEMI-VOLATILES:									
Acenaphthene	NE	NE	NE	NE	NE	NE	NE	NE	NE
bis(2-Ethylhexyl)phthalate									
Dibenzofuran									
Fluorene									
2-Methylnaphthalene									
2-Methylphenol									
Naphthalene									
INORGANICS:									
Aluminum	NE	NE	NE	NE	NE	NE	NE	NE	NE
Antimony									
Arsenic									
Barium									
Beryllium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
PESTICIDES:									
Dieldrin	NE	NE	NE	NE	NE	NE	NE	NE	NE

continued

TABLE 5-2 (cont)
DATA SUMMARY FOR WELLS NORTHEAST OF CEDAR STREET

WELL NUMBER UNIT DATE SAMPLED	MIN ug/L 1/18/91	MAX ug/L 1/18/91	FREQUENCY OF DETECTS 1/18/91	AVG ug/L 1/18/91	GEOMETRIC MEAN 1/18/91	STANDARDS		NO. OF DETECTS GREATER THAN STANDARDS 1991 DATA ONLY		
						North Carolina*	Primary MCLs	North Carolina	Primary MCLs	
						ug/L	ug/L			
ORGANICS:										
Acetone	4.0 B	7.0 B	2/12	5.1	5.0	-	-	-	-	-
Benzene	3.0 J	7900.0	3/12	662.5	6.0	1	5	3/3	2/3	
Carbon Disulfide	2.0 J	7.0	4/12	3.0	2.8	-	-	-	-	
Dichloroethane,1,1-	ND	ND	-	-	-	-	-	-	-	
Dichloroethane,1,2-	0.8 J	110.0 B	2/12	11.3	3.1	0.38	5	2/2	1/2	
Dichloroethene,1,1-	ND	65.0	1/12	7.7	3.3	7	7	1/1	1/1	
Dichloroethene (total),1,2-	0.8 J	42000.0 D	3/12	4233.8	10.1	-	-	-	-	
Dichloroethene,trans-1,2-	NA	N/A	N/A	N/A	N/A	70	100	-	-	
Ethylbenzene	0.9 J	1900.0 J	4/12	161.4	4.5	29	700	1/4	1/4	
Methylene chloride	0.9	9.0	4/12	3.1	2.7	5	5 (1)	1/4	1/4	
Tetrachloroethene	ND	2.0 J	1/12	2.5	2.5	0.7	5	1/1	-	
Toluene	13.0 J	16000.0	3/12	337.4	6.8	1000	1000	1/3	1/3	
Trichloroethane,1,1,2-	ND	3.0 J	1/12	2.5	2.5	-	5	-	-	
Trichloroethene	0.7 J	3700.0	5/12	326.0	7.8	2.8	5	4/5	3/5	
Vinyl chloride	ND	8.0 J	1/12	1046.5	10.0	0.015	2	1/1	1/1	
Xylene (total)	5.0	9800.0	4/12	823.0	7.5	400	10000	1/4	-	
Oil & Grease	NA	NA	NA	NA	N/A	-	-	-	-	
SEMI-VOLATILES:										
Acenaphthene	3 J	6 J	2/12	4.9	4.9	-	-	-	-	
bis(2-Ethylhexyl)phthalate	ND	3 J	1/12	4.8	4.8	-	-	-	-	
Dibenzofuran	ND	2 J	1/12	4.8	4.6	-	-	-	-	
Fluorene	ND	5 J	1/12	5.0	5.0	-	-	-	-	
2-Methylnaphthalene	3 J	28	2/12	6.8	5.4	-	-	-	-	
2-Methylphenol	ND	10 J	1/12	5.4	5.3	-	-	-	-	
Naphthalene	130	230	2/12	34.2	8.9	-	-	-	-	
INORGANICS:										
Aluminum	6840	587000	12/12	105230.4	11646.3	-	-	-	-	
Antimony	20.9 B	24.6 B	4/12	11.9	10.2	-	10/5(2)	-	4/12	
Arsenic	4.2 B	50.3	10/12	12.0	4.9	50	50	1/10	1/10	
Barium	60.1 B	814	12/12	198.8	86.5	1000	2000	-	-	
Beryllium	0.6 B	9.5	8/12	2.3	1.1	-	1 (1)	-	6/8	
Calcium	2830 B	127000	12/12	46618.7	24531.3	-	-	-	-	
Chromium	13	457	12/12	107.7	27.7	50	100	6/12	4/12	
Cobalt	10.5 B	80.8	7/12	13.7	7.3	-	-	-	-	
Copper	8.6 B	97.7	12/12	36.5	23.4	1000	1300(3)	-	-	
Iron	10500	152000	12/12	38528.0	24016.8	300	-	12/12	-	
Lead	8.6 B	307	12/12	51.1	25.8	50	15 (3)	3/12	11/12	
Magnesium	1830 B	21200	12/12	7412.0	5621.2	-	-	-	-	
Manganese	10.6 B	763	12/12	144.2	84.4	50	-	10/12	-	
Mercury	0.13 B	0.5	3/12	0.1	0.1	1.1	2	-	-	
Nickel	7.3 B	186	10/12	38.3	15.3	150	100	2/10	2/10	
Potassium	2230 B	24000	12/12	6739.3	4481.7	-	-	-	-	
Selenium	3.5 B	4.2 B	2/12	1.8	1.6	10	50	-	-	
Silver	2.5 B	6.6 B	6/12	2.6	2.0	50	50 (4)	-	-	
Sodium	4480 B	23500	12/12	9865.3	8763.4	-	-	-	-	
Thallium	ND	1.4 B	1/12	1.9	1.8	-	2/1 (1)	-	1/1	
Vanadium	19.8 B	518	12/12	138.9	50.3	-	-	-	-	
Zinc	68.1	637	12/12	450.7	143.2	5000	-	-	-	
PESTICIDES:										
Dieldrin	ND	0.11	1/12	0.06	0.05	-	-	-	-	

continued

TABLE 5-2 (cont)
DATA SUMMARY FOR WELLS NORTHEAST OF CEDAR STREET

NOTES:

- * - North Carolina water quality criteria for groundwater.
- NA - Not analyzed
- ND - Not detected
- (-) - No standard set or no detects
- 1 - Proposed maximum contaminant level (MCL)
- 2 - Two proposed MCLs
- 3 - MCL is Action Level for Public Water Supply System.
- 4 - Silver currently has an MCL of 50 ug/L; as of 7/30/92 silver will no longer have a primary MCL, it's secondary MCL of 100 ug/L will become effective.

QUALIFIERS:

- B - Analyte found in associated blank, organics
 - Reported value is <Contract Required Detection Limit
 - but > Instrument Detection Limit, inorganics
- J - Value is estimated