

023K

COUNTY Wake  
QUAD NO. 1 SERIAL NO. 1111

N. RECEIVED  
DEPARTMENT  
DEM  
GROUNDWATER FIELD/LAB FORM  
JUN 3 1985

LAB NUMBER 6174  
DATE REC'D 4-10-85  
REC'D BY OP  
DATA ENTRY BY B. MCK  
DATA REPORTED 5-29-85

REPORT TO: (circle one)  
ARO, WRO, MRO, FRO, WaRO,  
WIRO, RRO, Ahooskie FO,  
OTHER

WILMINGTON REGIONAL OFFICE  
GROUND WATER SECTION  
RALEIGH, N. C.  
DEM

PURPOSE: (circle one) baseline, pollution monitor, other

DATE COLLECTED 10-25-85 Time 11:00 By OP Location or site YORKTOWN AQUICLUD

Description of sampling point WELL Sampled interval 10-25-85

Remarks (pumping time, air temp, etc.)

Field Analysis By: OP Lat. 3444120 Long. 7717010

pH 7.4 Spec. Cond. 450 Temp. 17 °C OP Appearance clear Taste slt

Lab Analysis

Alkalinity to pH 4.5	P00410	180 mg/l
Alkalinity, Hydroxide	F71330	1 mg/l
Carbonate	P00445	< 1 mg/l
Bicarbonate	P00440	22 mg/l
pH value (when analyzed)	P00400	7.4 units
Arsenic (D)	P01000	< 10 ug/l
Carbon dioxide	P00405	mg/l
Chloride (D)	P00940	15 mg/l
Color (True)	P00080	31 units
Cyanide	P00720	mg/l
Dissolved solids (D)	F70301	250 mg/l
Fluoride (D)	P00951	0.3 mg/l
Hardness (as CaCO <sub>3</sub> ) (D)	P00900	190 mg/l
Hardness (non-carbonate) (D)	P00902	10 mg/l
MBAS (D)	P38260	mg/l
Phenol (D)	P34466	< 5 ug/l
Silica (D)	P00955	7 mg/l
Sulfate (D)	P00946	11 mg/l
Specific Cond.	P00094	450 μMOS/cm

Ag-Silver (D)	P01075	< 50 ug/l
Al-Aluminum (D)	P01106	< 100 ug/l
Ba-Barium (D)	P01005	< 1000 ug/l
Ca-Calcium (D)	P00915	77 mg/l
Cd-Cadmium (D)	P01025	< 20 ug/l
Cr-Chromium (D)	P01030	< 50 ug/l
Cu-Copper (D)	P01040	< 20 ug/l
Fe-Iron (D)	P01046	1000 ug/l
Hg-Mercury	P71900	< 0.2 ug/l
Li-Lithium (D)	P01130	< 50 ug/l
Mg-Magnesium (D)	P00925	21 mg/l
Mn-Manganese (D)	P01056	< 50 ug/l
Na-Sodium (D)	P00929	12 mg/l
Pb-Lead (D)	P01049	< 100 ug/l
Zn-Zinc (D)	P01090	350 ug/l
K-Potassium (D)	P00935	4.3 mg/l
Selenium (D)	P00935	< 50 ug/l

BOD	P00310	mg/l
COD	P00341	mg/l
Coliform (Fecal MP)	P31616	/100ml
Coliform (total MP)	P31505	/100ml
TOC	P00680	< 5 mg/l
Turbidity	P82079	NTU
Ammonia (as Nitrogen) (D)	P00612	0.04 mg/l
Kjeldahl (as Nitrogen) (D)	P00623	0.1 mg/l
Nitrate + Nitrite (as Nitrogen) (D)	P00631	0.01 mg/l
Phosphorus, total as P (D)	P00666	0.22 mg/l
Dissolved Solids - cond. meter	P70304	mg/l

Other Analyses:  
VOA  
CLW  
See attached worksheet  
0000001233

D = Dissolved Analysis - submit filtered sample  
White copy - Headquarters Pink copy - Region Yellow copy - Lab

MARINE CORPS. BASE, CAMP. LEJELUNE

Name of Water System: Marine Corps Air Station  
 Water System ID#: 04-67-042  
 Type of System: Community  
 Source of Water: Ground  
 Parameter: Trihalomethane  
 Contaminant ID: 2950  
 Method Code: 215  
 Type of Sample: D-Regular

Type of Treatment: (X) Chlorinated  
 ( ) Fluoridated  
 (X) Filtered  
 (X) Lime  
 (X) Water Softener

Samples Collected by: Water Quality Control Lab-ID#37807  
 Samples Analyzed by: (X) Grainger Laboratories Inc  
 ID#-37709  
 (X) JTC Environmental Consultants,  
Rockville, Maryland 20850

CLW

0000001243

*Lower Holding Time*

Collected	Analyzed	Sampling Site # 1 Bldg AS-110 WIP Plant TAP		Sampling Site # 2 Bldg G-520 Consumer Tap		Sampling Site # 3 Bldg AS-4025 Consumer Tap		Sampling Site # 4 Bldg 710 Consumer Tap		Sampling Site # 5 Bldg 2800 Consumer Tap		Quarterly Average PPB	ANNUAL Average PPB
		Time	THM (mg/l)	Time	THM (mg/l)	Time	THM (mg/l)	Time	THM (mg/l)	Time	THM (mg/l)		
12-29-83	01-12-84 See Note #1	1255	0.055	1354	0.077	1304	0.112	1323	0.125	1313	0.131	100	101
03-27-84	04-05-84 See Note #1	0952	0.081	1053	0.138	1018	0.145	1037	0.128	1029	0.141	127	107.5
06-27-84	07-10-84 See Note #1	1240	0.081	1231	0.159	1250	0.137	1311	0.140	1301	0.158	135	117.5
09-21-84	10-02-84 See Note #1	1023	0.082	0952	0.154	1030	0.126	1059	0.154	1044	0.186	140	125.5
03-29-85	04-29-85 See Note #2	1018	Broken in Transit	1105	0.267	1058	0.142	1000	0.172	1010	0.215	199	158
05-1-85	05-28-85 See Note #2	See Note #3	0.056	See Note #3	0.118	See Note #3	0.105	See Note #3	0.104	See Note #3	0.173	111	150

NOTES:

- Analysis performed by Grainger Laboratories Inc.
- Analysis performed by JTC Environmental Consultants, Inc.
- Samples collected between 0800-1300 on 15 May 1985

*Caused higher Average*

*STANDARD  
100 PPB*

*Encl (1)*