

FROM: (Station or unit)

DATE

U. S. Navy, PWC, Guam

16 Nov 83

TO: (Name and location of laboratory)

U. S. Navy, PWC Fena Laboratory, Guam

SAMPLE FROM (Location of sampling point)

Well B, Nav Cams

COLLECTED BY

Joan Ornato

DATE

13 Apr 83

HOUR

0945

SOURCE (Designate ground, surface, raw, treated)

Ground

REASON FOR EXAMINATION

Annual Analysis

EXAMINATION REQUESTED BY

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

I. FIELD ANALYSIS

III. ROUTINE LABORATORY ANALYSIS

1. pH	7.40	TEMPERATURE	°F	°C	27.5
2. CARBON DIOXIDE (CO <sub>2</sub> )		PPM			110
3. DISSOLVED OXYGEN (O <sub>2</sub> )					
4. HYDROGEN SULFIDE (H <sub>2</sub> S)					
5. CHLORINE DEMAND (Cl <sub>2</sub> )					

(CHECK ONE)	
<input checked="" type="checkbox"/> REQUESTED	<input type="checkbox"/> NOT REQUESTED
1. COLOR	3
2. TURBIDITY	0.35 NTU
3. ALKALINITY (CaCO <sub>3</sub> )	
P	MD
	0 139
4. TDAL HARDNESS (CaCO <sub>3</sub> ) (Computed)	158
5. NON-CARBONATE HARDNESS (CaCO <sub>3</sub> ) (By Computation)	19
6. CARBONATE HARDNESS (CaCO <sub>3</sub> ) (By Computation)	139
7. TOTAL DISSOLVED SOLIDS	228
8. SPECIFIC CONDUCTANCE (Micromhos)	441

FIELD ANALYSIS BY

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II. SPECIAL LABORATORY ANALYSES

Check (X) individual items to be included in the Special Analyses. Request determination only of those substances suspected of being present in significant amounts.

(X)	ITEM	PPM
X	1. As	< 0.001
X	2. Se	< 0.001
X	3. Pb	0.02
X	4. Ba	< 0.5
X	5. Cu	0.15
X	6. Zn	< 0.04
X	7. Cr (Hexavalent)	< 0.05
	8. PO	
X	9. Cd	< 0.01
	10. CN	
	11. Phenolic Compounds (PPB)	
X	12. Others (Specify) Ag	< 0.01
X	13. Hg	< 0.001
X	14. Endrin (µg/l)	< 0.128
X	15. Lindane (µg/l)	< 0.035
X	16. Methoxychlor (µg/l)	< 0.526

ITEM	PPM
9. CALCIUM (Ca)	55
10. MAGNESIUM (Mg)	5
11. SODIUM (Na) AND POTASSIUM (K)	38.2
12. HYDROXIDE (OH)* (Computed)	0
13. BICARBONATE (HCO <sub>3</sub> )* (Computed)	139
14. CARBONATE (CO <sub>3</sub> )* (Computed)	0
15. SULFATE (SO <sub>4</sub> )	11.4
16. CHLORIDE (Cl)	78.8
17. NITRATE (NO <sub>3</sub> ) (as nitrogen)	1.21
18. IRON (Fe) TOTAL	< 0.023
19. MAGANESE (Mn)	< 0.05
20. SILICA (SiO <sub>2</sub> )	1.17
21. FLUORIDE (F)	< 0.12

REMARKS (Such as unusual appearance, taste, odor, etc.)

- X 17. Toxaphene (µg/l) < 3.60
- X 18. 2, 4-D (µg/l) < 0.05
- X 19. Silvex (µg/l) < 0.21

Langelier's Index = -.515

Note: This is an annual test. In the 1970's they had no equipment to remove these poisons from the water.

As you can see these rainbow herbicides are in the well water. The only logical way to get there would be from using them to kill weeds.

LABORATORY ANALYSIS BY

EB/RT/JO

DATE OF ANALYSIS

DD FORM 710

REPLACES WD AGO FORM 8-125, 1 APR 45, WHICH MAY BE USED.

GPO 83-56027