

MAIN/JIW/th
6240

AUG 21 1979

From: Commanding General
To: Chief, Defense Property Disposal Office, Marine Corps Base,
Camp Lejeune, North Carolina 28542

Subj: Laboratory Analysis of Waste Oil

Ref: (a) FoneCon btwn Mr. D. Mills, DPDO, and Mr. J. Wooten,
BMaintDept, on 15 Aug 79

Encl: (1) Laboratory Analysis Record

1. As discussed during reference (a), enclosure (1) which reflects a polychlorinated biphenyl (PCB) reading of less than one part per billion is forwarded for your information and use. It is requested that this command be advised of the waste oil reclamation situation after enclosure (1) has been reviewed.

2. Your point of contact in this matter is Mr. Julian Wooten, Base Maintenance Department, phone 5003/2083.

B. W. ELSTON
By direction

AUG 3 1 1979

T. R. BAISLEY

LABORATORY MULTIPLE PARAMETER WATER QUALITY ANALYSIS RECORD

UIC

5ND LANTDIV 9-11330/3 (4-75)

M.C.B. CAMP LEJUENE-TANK S-701 Bottom
(almost all water)

JENNINGS LABORATORIES, INCORPORATED

SAMPLE IDENTIFICATION				
SAMPLE COLLECTION DATE			SAMPLE COLLECTION TIME	SAMPLE STATION NUMBER
MONTH	DAY	YEAR	0.2400	
07	79			

	PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE	PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE
	SOLIDS	TOTAL SUSPENDED SOLIDS (NON FILTERABLE RESIDUE)	MG/L	00530		ALUMINUM, TOTAL	MG/L	01105
TOTAL SOLIDS (TOTAL RESIDUE 103-105 ³)		MG/L	00500		ARSENIC, TOTAL	MG/L	01002	
SETTLABLE SOLIDS (SETTLABLE RESIDUE)		ML/L/HR	00545		CADMIUM, TOTAL	MG/L	01027	
TOTAL DISSOLVED SOLIDS (FILTERABLE RESIDUE)		MG/L	70300		CHROMIUM, TOTAL	MG/L	01034	
NUTRIENTS	N-AMMONIA (AS N)	MG/L	00610		COPPER, TOTAL	MG/L	01042	
	N-NITRATE TOTAL (AS N)	MG/L	00620		IRON, TOTAL	MG/L	01045	
	N-NITRITE TOTAL (AS N)	MG/L	00515		LEAD, TOTAL	MG/L	01051	
	TOTAL N (KJELDAHL)	MG/L	00625		MAGNESIUM, TOTAL	MG/L	00927	
	ORTHOPHOSPHATE (AS PO ₄)	MG/L	00660		MANGANESE, TOTAL	MG/L	01055	
	TOTAL PHOSPHORUS (AS P)	MG/L	00678		MERCURY, TOTAL	MG/L	71900	
	SULFATE	MG/L	00945		POTASSIUM, TOTAL	MG/L	00937	
NON-CATEGORIZED PARAMETER	PH LABORATORY		00403		SILVER, TOTAL	MG/L	01077	
	CHLORIDE	MG/L	00940		ZINC, TOTAL	MG/L	01092	
	TURBIDITY LAB	JTU, FTU	00077		TOTAL COLIFORM	MFC/100ML	31503	
	BOD	MG/L	00310		FECAL COLIFORM	MFC/100ML	31616	
	COD	MG/L	00340		TOTAL COLIFORM	MPN/100ML	31506	
	TOC	MG/L	00680		FECAL COLIFORM	MPN/100ML	31620	
	OIL AND GREASE	MG/L	70350		PCB	X		<1 PPB
	PHENOLS	MG/L	32730					
	NRAS	MG/L	38260					
	CYANIDE	MG/L	00720					

HEAVY METALS

COLIFORM

ADDITIONAL PARAMETERS

W.F. Jennings, Jr.

August 7, 1979

1259 7/30/79

\$75.00



113

UIC

5ND LANTDIV 9-11330/3 (4-75)

SAMPLE IDENTIFICATION					
SAMPLE COLLECTION DATE			SAMPLE COLLECTION TIME	SAMPLE STATION NUMBER	
MONTH	DAY	YEAR	0-2400		
07		79			

ACTIVITY NAME (Mostly Water)
M.C.B. CAMP LEJUENE TANK S-701 Near Bottom

LABORATORY NAME
JENNINGS LABORATORIES, INCORPORATED

	PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE	PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE	
SOLIDS	TOTAL SUSPENDED SOLIDS (NON FILTERABLE RESIDUE)	MG/L	00530		ALUMINUM, TOTAL	MG/L	01105		HEAVY METALS
	TOTAL SOLIDS (TOTAL RESIDUE 103-105°)	MG/L	00500		ARSENIC, TOTAL	MG/L	01002		
	SETTLABLE SOLIDS (SETTLABLE RESIDUE)	ML/L/HR	00545		CADMIUM, TOTAL	MG/L	01027		
	TOTAL DISSOLVED SOLIDS (FILTERABLE RESIDUE)	MG/L	70300		CHROMIUM, TOTAL	MG/L	01034		
NUTRIENTS	N-AMMONIA (AS N)	MG/L	00610		COPPER, TOTAL	MG/L	01042		
	N-NITRATE TOTAL (AS N)	MG/L	00620		IRON, TOTAL	MG/L	01045		
	N-NITRITE TOTAL (AS N)	MG/L	00615		LEAD, TOTAL	MG/L	01051		
	TOTAL N (KJELDAHL)	MG/L	00625		MAGNESIUM, TOTAL	MG/L	00927		
	ORTHOPHOSPHATE (AS PO ₄)	MG/L	00660		MANGANESE, TOTAL	MG/L	01055		
	TOTAL PHOSPHORUS (AS P)	MG/L	00678		MERCURY, TOTAL	MG/L	715-00		
	SULFATE	MG/L	00945		POTASSIUM, TOTAL	MG/L	00937		
NON-CATEGORIZED PARAMETER	PH LABORATORY		00403		SILVER, TOTAL	MG/L	01077		COLIFORM ADDITIONAL PARAMETERS
	CHLORIDE	MG/L	00940		ZINC, TOTAL	MG/L	01092		
	TURBIDITY LAB	JTU/FTU	W0072		TOTAL COLIFORM	MFC/100ML	31503		
	BOD	MG/L	00310		FECAL COLIFORM	MFC/100ML	31615		
	COD	MG/L	00340		TOTAL COLIFORM	MPN/100ML	31508		
	TOC	MG/L	00680		FECAL COLIFORM	MPN/100ML	31620		
	OIL AND GREASE	MG/L	70350		PCB			<1 PPB	
	PHENOLS	MG/L	32730						
	MBAS	MG/L	38260						
	CYANIDE	MG/L	00720						

August 7, 1979

#1261

7/30/79

\$75.00

W. H. Jennings



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LABORATORY MULTIPLE PARAMETER WATER QUALITY ANALYSIS RECORD

UIC

5ND LANTDIV 9-11330/3 (4-75)

SAMPLE IDENTIFICATION					
SAMPLE COLLECTION DATE			SAMPLE COLLECTION TIME		SAMPLE STATION NUMBER
MONTH	DAY	YEAR	0.2400		
07		79			

ACTIVITY NAME
M.C.B. CAMP LEJUENE TANK S-701 TOP

LABORATORY NAME
JENNINGS LABORATORIES, INCORPORATED

	PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE	PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE	
SOLIDS	TOTAL SUSPENDED SOLIDS (NON FILTERABLE RESIDUE)	MG/L	00530		ALUMINUM, TOTAL	MG/L	01105		HEAVY METALS
	TOTAL SOLIDS (TOTAL RESIDUE 103-105°)	MG/L	00500		ARSENIC, TOTAL	MG/L	01002		
	SETTLABLE SOLIDS (SETTLABLE RESIDUE)	ML/L/HR	00545		CADMIUM, TOTAL	MG/L	01027		
	TOTAL DISSOLVED SOLIDS (FILTERABLE RESIDUE)	MG/L	70300		CHROMIUM, TOTAL	MG/L	01034		
NUTRIENTS	N-AMMONIA (AS N)	MG/L	00610		COPPER, TOTAL	MG/L	01042		
	N-NITRATE TOTAL (AS N)	MG/L	00520		IRON, TOTAL	MG/L	01045		
	N-NITRITE TOTAL (AS N)	MG/L	00515		LEAD, TOTAL	MG/L	01051		
	TOTAL N (KJELDAHL)	MG/L	00625		MAGNESIUM, TOTAL	MG/L	00927		
	ORTHOPHOSPHATE (AS PO4)	MG/L	00660		MANGANESE, TOTAL	MG/L	01055		
	TOTAL PHOSPHORUS (AS P)	MG/L	00578		MERCURY, TOTAL	MG/L	71900		
	SULFATE	MG/L	00945		POTASSIUM, TOTAL	MG/L	00937		
NON-CATEGORIZED PARAMETER	PH LABORATORY		00403		SILVER, TOTAL	MG/L	01077		HEAVY METALS
	CHLORIDE	MG/L	00940		ZINC, TOTAL	MG/L	01092		
	TURBIDITY LAB	JTU/FTU	W0072		TOTAL COLIFORM	MFC/100ML	31503		COLIFORM
	BOD	MG/L	00310		FECAL COLIFORM	MFC/100ML	31616		
	COD	MG/L	00340		TOTAL COLIFORM	MPN/100ML	31506		
	TOD	MG/L	00680		FECAL COLIFORM	MPN/100ML	31620		
	OIL AND GREASE	MG/L	70350		PCB'	X		<1 PPB	ADDITIONAL PARAMETERS
	PHENOLS	MG/L	32730						
	VBAS	MG/L	38260						
	CYANIDE	MG/L	00720						

W. H. Jennings Jr.

August 7, 1979

#1260

7/30/79

\$100.00



LABORATORY MULTIPLE PARAMETER WATER QUALITY ANALYSIS RECORD

5ND LANTDIV 9-11330/3 (4-75)

ACTIVITY NAME
M.C.B. CAMP LEJUENE TANK S-701 TOP

LABORATORY NAME
JENNINGS LABORATORIES, INCORPORATED

UIC

SAMPLE IDENTIFICATION					
SAMPLE COLLECTION DATE			SAMPLE COLLECTION TIME	SAMPLE STATION NUMBER	
MONTH	DAY	YEAR	0-2:00		
07		79			

PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE	PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE
SOLIDS	TOTAL SUSPENDED SOLIDS (NON FILTERABLE RESIDUE)	MG/L	00530	ALUMINUM, TOTAL	MG/L	01105	
	TOTAL SOLIDS (TOTAL RESIDUE 103-105°)	MG/L	00500	ARSENIC, TOTAL	MG/L	01002	
	SETTLABLE SOLIDS (SETTLABLE RESIDUE)	ML/L/HR	00545	CADMIUM, TOTAL	MG/L	01027	
	TOTAL DISSOLVED SOLIDS (FILTERABLE RESIDUE)	MG/L	70300	CHROMIUM, TOTAL	MG/L	01034	
NUTRIENTS	N-AMMONIA (AS N)	MG/L	00610	COPPER, TOTAL	MG/L	01042	
	N-NITRATE TOTAL (AS N)	MG/L	00520	IRON, TOTAL	MG/L	01045	
	N-NITRITE TOTAL (AS N)	MG/L	00515	LEAD, TOTAL	MG/L	01051	
	TOTAL N (KJELDAHL)	MG/L	00625	MAGNESIUM, TOTAL	MG/L	00927	
	ORTHOPHOSPHATE (AS P ₀₄)	MG/L	00560	MANGANESE, TOTAL	MG/L	01055	
	TOTAL PHOSPHORUS (AS P)	MG/L	00578	MERCURY, TOTAL	MG/L	71500	
	SULFATE	MG/L	00945	POTASSIUM, TOTAL	MG/L	00937	
CATEGORIZED PARAMETER	PH LABORATORY		00403	SILVER, TOTAL	MG/L	01077	
	CHLORIDE	MG/L	00940	ZINC, TOTAL	MG/L	01092	
	TURBIDITY LAB	JTU/FTU	W0072	TOTAL COLIFORM	MFC/100ML	31503	
	BOD	MG/L	00310	FECAL COLIFORM	MFC/100ML	31616	
	COD	MG/L	00340	TOTAL COLIFORM	MPN/100ML	31506	
	TDC	MG/L	00580	FECAL COLIFORM	MPN/100ML	31520	
	OIL AND GREASE	MG/L	70350	PCB'	X		<1 PPB
	PHENOLS	MG/L	32730				
	MBAS	MG/L	38260				
	CYANIDE	MG/L	00720				

HEAVY METALS

COLIFORM

ADDITIONAL PARAMETERS

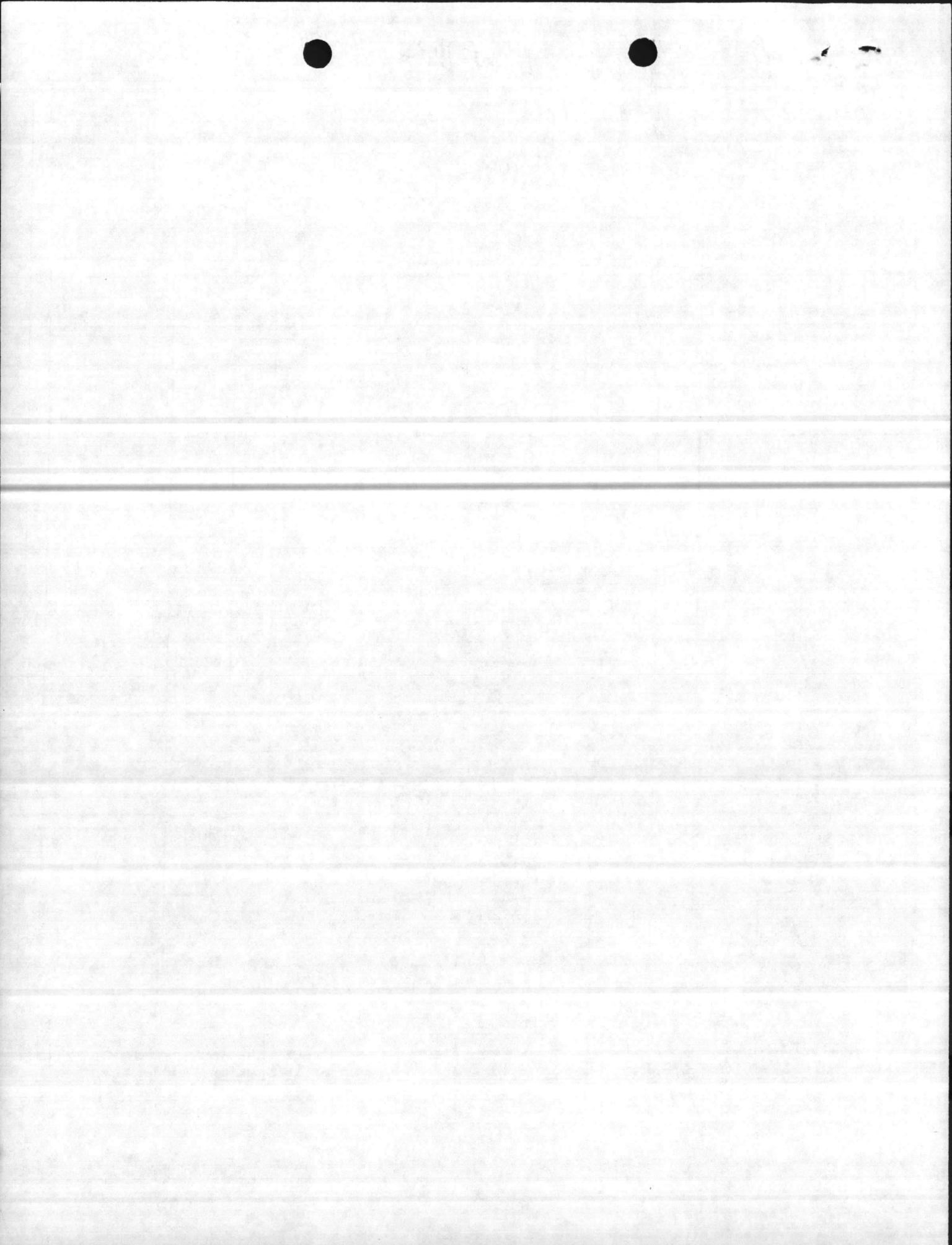
W.H. Jennings Jr.

August 7, 1979

\$1200

7/30/79

\$100.00



LABORATORY MULTIPLE PARAMETER WATER QUALITY ANALYSIS RECORD

UIC

5ND LANTDIV 9-11330/3 (4-75)

ANALYSIS SITE
M.C.B. CAMP LEJUENE-TANK S-701 Bottom
 (almost all water)

LABORATORY NAME
JENNINGS LABORATORIES, INCORPORATED

SAMPLE IDENTIFICATION				
SAMPLE COLLECTION DATE			SAMPLE COLLECTION TIME	SAMPLE STATION NUMBER
MONTH	DAY	YEAR	0-2400	
07	79			

	PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE	PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE
	SOLIDS	TOTAL SUSPENDED SOLIDS (NON FILTERABLE RESIDUE)	MG/L	00530		ALUMINUM, TOTAL	MG/L	01105
TOTAL SOLIDS (TOTAL RESIDUE 103-105 ^o)		MG/L	00500		ARSENIC, TOTAL	MG/L	01002	
SETTLABLE SOLIDS (SETTLABLE RESIDUE)		ML/L/HR	00545		CADMIUM, TOTAL	MG/L	01027	
TOTAL DISSOLVED SOLIDS (FILTERABLE RESIDUE)		MG/L	70300		CHROMIUM, TOTAL	MG/L	01034	
NUTRIENTS	N-AMMONIA (AS N)	MG/L	00610		COPPER, TOTAL	MG/L	01042	
	N-NITRATE TOTAL (AS N)	MG/L	00620		IRON, TOTAL	MG/L	01045	
	N-NITRITE TOTAL (AS N)	MG/L	00615		LEAD, TOTAL	MG/L	01051	
	TOTAL N (KJELDAHL)	MG/L	00625		MAGNESIUM, TOTAL	MG/L	00927	
	ORTHOPHOSPHATE (AS PO ₄)	MG/L	00660		MANGANESE, TOTAL	MG/L	01055	
	TOTAL PHOSPHORUS (AS P)	MG/L	00678		MERCURY, TOTAL	MG/L	71900	
	SULFATE	MG/L	00945		POTASSIUM, TOTAL	MG/L	00937	
NON-CATEGORIZED PARAMETER	PH LABORATORY		00403		SILVER, TOTAL	MG/L	01077	
	CHLORIDE	MG/L	00940		ZINC, TOTAL	MG/L	01092	
	TURBIDITY LAB	JTU/FTU	00077		TOTAL COLIFORM	MFC/100ML	31503	
	BOD	MG/L	00310		FECAL COLIFORM	MFC/100ML	31616	
	COD	MG/L	00340		TOTAL COLIFORM	MPN/100ML	31506	
	TOC	MG/L	00680		FECAL COLIFORM	MPN/100ML	31620	
	OIL AND GREASE	MG/L	70350		PCB	X		<1 PPB
	PHENOLS	MG/L	32730					
	MBAS	MG/L	38260					
	CYANIDE	MG/L	00720					

HEAVY METALS

COLIFORM

ADDITIONAL PARAMETERS

W.H. Jennings Jr.

August 7, 1979

#1259

7/30/79

\$75.00



LABORATORY MULTIPLE PARAMETER WATER QUALITY ANALYSIS RECORD

UIC

5ND LANTDIV 9-11330/3 (4-75)

(Mostly Water)

M.C.B. CAMP LEJUENE TANK S-701 Near Bottom

SAMPLE IDENTIFICATION				
SAMPLE COLLECTION DATE			SAMPLE COLLECTION TIME	SAMPLE STATION NUMBER
MONTH	DAY	YEAR	9-2400	
	07		79	

JENNINGS LABORATORIES, INCORPORATED

PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE	PARAMETER DESCRIPTION	UNITS	DATA ELEMENT NUMBER	VALUE
SOLIDS	TOTAL SUSPENDED SOLIDS (NON FILTERABLE RESIDUE)	MG/L	00530	ALUMINUM, TOTAL	MG/L	01105	
	TOTAL SOLIDS (TOTAL RESIDUE 103-105°)	MG/L	00500	ARSENIC, TOTAL	MG/L	01002	
	SETTLABLE SOLIDS (SETTLABLE RESIDUE)	ML/L/HR	00545	CADMIUM, TOTAL	MG/L	01027	
	TOTAL DISSOLVED SOLIDS (FILTERABLE RESIDUE)	MG/L	70300	CHROMIUM, TOTAL	MG/L	01034	
NUTRIENTS	N-AMMONIA (AS N)	MG/L	00610	COPPER, TOTAL	MG/L	01042	
	N-NITRATE TOTAL (AS N)	MG/L	00620	IRON, TOTAL	MG/L	01045	
	N-NITRITE TOTAL (AS N)	MG/L	00615	LEAD, TOTAL	MG/L	01051	
	TOTAL N (KJELDAHL)	MG/L	00625	MAGNESIUM, TOTAL	MG/L	00927	
	ORTHOPHOSPHATE (AS PO ₄)	MG/L	00660	MANGANESE, TOTAL	MG/L	01055	
	TOTAL PHOSPHORUS (AS P)	MG/L	00678	MERCURY, TOTAL	MG/L	74500	
	SULFATE	MG/L	00945	POTASSIUM, TOTAL	MG/L	00937	
NON-CATEGORIZED PARAMETER	PH LABORATORY		00403	SILVER, TOTAL	MG/L	01077	
	CHLORIDE	MG/L	00940	ZINC, TOTAL	MG/L	01092	
	TURBIDITY LAB	JTU/FTU	W0072	TOTAL COLIFORM	MFC/100ML	31503	
	BOD	MG/L	00310	FECAL COLIFORM	MFC/100ML	31216	
	COD	MG/L	00340	TOTAL COLIFORM	MPN/100ML	31506	
	TOC	MG/L	00680	FECAL COLIFORM	MPN/100ML	31620	
	OIL AND GREASE	MG/L	70350	PCB			<1 PPB
	PHENOLS	MG/L	32730				
	MBAS	MG/L	38260				
	CYANIDE	MG/L	00720				

HEAVY METALS

COLIFORM

ADDITIONAL PARAMETERS

W. A. Jennings

August 7, 1979

\$75.00

#1261

7/30/79

