

ANALYTICAL AND CONSULTING CHEMISTS

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VA (EPA) CERTIFIED LABORATORY for
Drinking Water Analysis - Microbiological,
Inorganic and OrganicOfficial Reference Chemists for:
AMERICAN OIL CHEMISTS SOCIETY
NATIONAL SOYBEAN
PROCESSORS ASSOCIATIONLaboratory Certified by VA. STATE WATER
CONTROL BOARD for Analysis of
Effluents for NPDES PERMITS
CERTIFIED OFFICIAL U.S.D.A. LABORATORY
FOR MEAT ANALYSIS

ASBESTOS ANALYSIS - NIOSH 582

CERTIFICATE OF ANALYSIS

Mr. Dave Goodwin
Building N-23 Atlantic Division
Naval Facilities Engineering Command
Norfolk, Virginia 23511

DATE: March 30, 1982


TYPE OF WATER SAMPLE

ID RR-85 #6 collected 3/18/82 MCB CAMP LEJEUNE

Sample delivered to laboratory 3/20/82 by Mr. Wallmeyer

ANALYZED BY:

PURITY POLLUTANTS	PURGEABLE ORGANICS	DETECTION LIMITS	µg/l
Lead	None Detected	2.0	
Lead nitrate	None Detected	2.0	
Cadmium	None Detected	10.0	
Copper	None Detected	10.0	
Manganese	None Detected	10.0	
Iron Tetrachloride	None Detected	.007	
Benzene	None Detected	.03	
Dichloroethane	None Detected	.006	
1,1-Trichloroethane	None Detected	.005	
Dichloroethane	None Detected	.004	
Dichloroethylene	None Detected	.006	
1,1,1-Trichloroethane	None Detected	.006	
1,2-Tetrachloroethane	None Detected	.006	
Acetone	None Detected	.01	
Diethyl vinyl ether	None Detected	.08	

Respectfully submitted,
JENNINGS LABORATORIES, INC.Laboratory
Analysis No. 1189
\$2,000.00

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OFFICIAL METHODS OF A.O.A.C., A.O. C.S., A.S.T.M., A.P.H.A., E.P.A. AND N.S.P.A. USED IN ALL ANALYSIS UNLESS OTHERWISE STATED

PRIORITY POLLUTANTS	PURGEABLE ORGANICS (continued)	DETECTION LIMITS	µg/l
Trichloroform	None Detected	.010	
1,2-Dichloropropane	None Detected	.004	
1,3-Dichloropropane	None Detected	.006	
1,1,1-Trichloroethylene Chloride	None Detected	.010	
1,1,2-Trichloroethylene Chloride	None Detected	.009	
1,1,2-Trichloroethane Bromide	None Detected	.03	
1,1,1-Trichloroethane	None Detected	.02	
1,1-Dichlorobromomethane	None Detected	.006	
1,1-Dichlorofluoromethane	None Detected	.03	
1,1,1-Trichlorodifluoromethane	None Detected	.01	
1,1,1-Trichlorodibromomethane	None Detected	.01	
1,1,2-Trichloroethane	None Detected	.007	
1,1,1-Trichloroethane	None Detected	.005	
1,1,1-Trichloroethylene Chloride	None Detected	.01	
trans-1,2-Dichloroethane	None Detected	.006	
1,1,1-Trichloroethane ether	None Detected	.003	

BASE/NEUTRAL EXTRACTABLE ORGANIC COMPOUNDS

1,2-Dichlorobenzene	None Detected	.04
1,3-Dichlorobenzene	None Detected	.04
1,4-Dichlorobenzene	None Detected	.04
1,1-Dichloroethane	None Detected	.001
1,2-Dichlorobutadiene	None Detected	.001
1,1-Dichlorobenzene	None Detected	.002
4-Trichlorobenzene	None Detected	.005
2-Chloroethoxy)methane	None Detected	.40
1,2,3-Trichlorobenzene	None Detected	.04
1,2,3-Trichlorobenzene	None Detected	.04
1,2,3-Trichlorobenzene	None Detected	5.0
1,2,3-Trichlorobenzene	None Detected	5.0
1,2,3-Trichlorobenzene	None Detected	.06
1,2,3-Trichlorobenzene	None Detected	.06

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W.H. Johnson
Chemist **CLW**

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BASE NEUTRAL EXTRACTABLE ORGANIC COMPOUNDS

DETECTION LIMITS $\mu\text{g/g}$

4-Bromophenyl phenyl ether	None Detected	1.1
bis(2-Ethylhexyl) phthalate	None Detected	.02
Di-n-octyl phthalate	None Detected	.11
Dimethyl phthalate	None Detected	.11
Diethyl phthalate	None Detected	.13
Di-n-butyl phthalate	None Detected	.02
Fluorene	None Detected	.04
Fluoranthene	None Detected	.04
Fluorene	None Detected	.04
Pyrene	None Detected	.04
Phenanthrene	None Detected	.04
Anthracene	None Detected	.04
Benzo (a) a. thracene	None Detected	.04
Benzo (b) fluoranthene	None Detected	.04
Benzo (k) fluoranthene	None Detected	.04
Benzo (a) pyrene	None detected	.04
Indeno (1, 2, 3-c, d) pyrene	None Detected	.10
Dibenzo (a, h) anthracene	None Detected	.10
Benzo (a, h, i) perylene	None Detected	.10
4-Chlorophenyl phenyl ether	None Detected	2.2
3,3-Dichlorobenzidine	None Detected	.04
Benidine	None Detected	.04
Bis(2-Chloroethyl) ether	None Detected	.04
1,2-Diphenylhydrazine	None Detected	.04
Hexachlorocyclopentadiene	None Detected	.04
N-Nitrosodiphenylamine	None Detected	1.0
Acenaphthylene	None Detected	.04
Acenaphthene	None Detected	.04
Butyl benzyl phthalate	None Detected	.04
N-Nitrosodimethylamine	None Detected	.2
N-Nitrosodi-n-propylamine	None Detected	.5
bis(2-Chloroisopropyl) ether	None Detected	.9

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PRIORITY POLLUTANTS

ACID EXTRACTABLE ORGANIC COMPOUNDS		DETECTION LIMIT µg/l
Phenol	None Detected	1.4
Nitrophenol	None Detected	2.5
Nitrophenol	None Detected	2.5
4-Dinitrophenol	None Detected	7.6
6-Dinitro-o-cresol	None Detected	2.0
2,4-Dichlorophenol	None Detected	10.0
Chloro-m-cresol	None Detected	.01
Chlorophenol	None Detected	2.0
4-Dichlorophenol	None Detected	2.1
4,6-Trichlorophenol	None Detected	5.0
4-Dimethylphenol	None Detected	1.7

PESTICIDES/PCB'S

Endosulfan	None Detected	.005
Endosulfan	None Detected	.01
Endosulfan Sulfate	None Detected	.03
BHC	None Detected	.002
BHC	None Detected	.004
BHC	None Detected	.004
BHC	None Detected	.002
BHC	None Detected	.003
aldrin	None Detected	.006
4'-DDE	None Detected	.006
4'-DDD	None Detected	.012
4'-DDT	None Detected	.016
drin	None detected	.009
drin Aldehyde	None Detected	.023
2,4-Dichloro	None Detected	.002
2,4-Dichloro Epoxide	None Detected	.004
lordane	None Detected	.04
xaphene	None Detected	.40
oclor 1916	None Detected	.04
oclor 1221	None Detected	.10
oclor 1232	None Detected	.10

(continued)

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PRIORITY POLLUTANTS

PESTICIDES/PCB'S (Continued)

DETECTION LIMIT µg/l

Polychlor 1242	None Detected	.06
Polychlor 1248	None Detected	.08
Polychlor 1254	None detected	.08
Polychlor 1260	1.0 ppm	.15
1,7,8-Trachlorodibenzo-p-dioxin (TCDD)	None Detected	.003

METALS

DETECTION LIMIT mg/l

Ammony	<0.2	0.2
Arnic	<0.002	0.002
Bilium	<0.005	0.005
Calcium	<0.005	0.005
Cadmium	<0.01	0.01
Copper	<0.005	0.005
Lead	<0.005	0.005
Magnesium	<0.002	0.002
Manganese	<0.005	0.005
Mercury	<0.002	0.002
Nickel	<0.005	0.005
Selenium	<0.002	0.002
Silver	<0.005	0.005
Zinc	<0.10	0.1
Chromium	<0.005	0.005
	7.65	

MISCELLANEOUS

DETECTION LIMITS mg/l

Al Cyanides	<0.005	0.01
Asbestos (fibrous)	None	
Al Phenols	<0.005	0.005

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