

11330
SERIAL
16 AUG 1985

Mr. Charles Sundgren
Water Supply Branch
Division of Health Services
North Carolina Department of
Human Resources
Post Office Box 2091
Raleigh, North Carolina 27602

Dear Mr. Sundgren:

This letter provides Trihalomethane Analysis for the Marine Corps Air Station, New River (MCAS, NR) Water Treatment Plant, ID #04-17-042, conducted in July 1985. The base, in an effort to lower the total trihalomethane (THM) levels in the water at the Air Station, made a change in the pumping schedule for the wells on 17 July 1985. Of the 23 wells presently serving the water plant, seven have chloride levels over 100 ppm. These high chloride wells were shut off and the THM levels were lowered to acceptable levels as is reflected in enclosures (1) and (2). The 17 July 1985 samples were collected prior to the changes. The 24 and 31 July 1985 samples were collected one and two weeks after the high chloride wells were shut off.

Point of contact in this matter is Mr. Julian Wooten, (919) 491-1003.

Sincerely,

R. A. TIERSON
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encl: (1) THM: MCAS Analysis
(2) JTC Environmental Consultants
Reports 100, 103 and 104

Copy to:
LANTNAVFACENGCOM

Blind copy to:
OCL, NREAD

CLW

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 15 August 1985

000006339

Type of Treatment: (X) () () () ()

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

Samples Collected by: (X) () () () ()
Samples Analyzed by: (X) () () () ()

SAMPLING SITE #1

SAMPLING SITE #2

SAMPLING SITE #3

Collected	Analyzed	SAMPLING SITE #1 Base AS-110					SAMPLING SITE #2 Base G-520					SAMPLING SITE #3 See Note 1					
		Time	CHCl ₃	CHCl ₂ Br	CHClBr ₂	CHBr ₃	THM	Time	CHCl ₃	CHCl ₂ Br	CHClBr ₂	CHBr ₃	THM	Time	CHCl ₃	CHCl ₂ Br	CHClBr ₂
07-17-85	07-25-85	0945	2	2	14	63	81	1110	2	9	44	146	203	1035	2	8	39
07-24-85	07-29-85	1245	5	8	13	7	33	1342	6	15	30	27	78	1255	8	11	30
07-31-85	08-02-85	-Broken	-	-	-	-	-	1010	10	20	36	32	98	0930	7	14	24

NOTES

1. SAMPLING SITE #3 IS USUALLY AS-4025, HOWEVER ON 17+ 24 JULY 1985 IT WAS LOCKE STREET ON 31 JULY 1985 AS-4025 WAS COLLECTED.

~~CLW~~

~~0000006340~~

REPORT # 108
LABORATORY ANALYSIS ON
NAVAL SAMPLES
(A/E CONTRACT N62470-84-B-6932)
JTC REPORT # 85-310

PREPARED FOR:
DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VA 23511

PREPARED BY:
JTC ENVIRONMENTAL CONSULTANTS, INC.
4 RESEARCH PLACE, SUITE L-10
ROCKVILLE, MARYLAND 20850

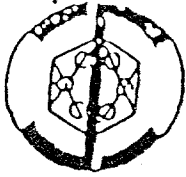
AUGUST 2, 1985

CLW

0000006341

Ann E Rosecrance

Ann E. Rosecrance
Laboratory Director



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 12-1341 PROJECT NO. NF-12
CLIENT SAMPLE ID 2800 7/31/85 DATE RECEIVED 8/1/85
METHOD NO. 624 DETECTION LIMIT 10 ug/lit

CLW

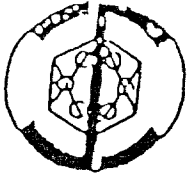
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PARAMETER	RESULT	PARAMETER	RESULT
	ug/lit		ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloro- pylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloro- ethane	N.D.	47V bromoform	20 N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	17 N.D.
14V 1,1,2-trichloro- ethane	N.D.	49V trichlorofluoro- methane	N.D.
15V 1,1,2,2-tetra- chloroethane	N.D.	50V dichlorodifluoro- methane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	29 N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	8 * N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED

*Below method detection limit



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 12-1342 PROJECT NO. NF-12
CLIENT SAMPLE ID G-520 7/31/85 DATE RECEIVED 8/1/85
METHOD NO. 624 DETECTION LIMIT 10 ug/lit

CLW

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PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloro- pylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloro- ethane	N.D.	47V bromoform	32 N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	20 N.D.
14V 1,1,2-trichloro- ethane	N.D.	49V trichlorofluoro- methane	N.D.
15V 1,1,2,2-tetra- chloroethane	N.D.	50V dichlorodifluoro- methane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	36 N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	10 N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

N.D. = NOT DETECTED

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*Below method detection limit



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 12-1343 PROJECT NO. NF-12
CLIENT SAMPLE ID AS-4025 7/31/85 DATE RECEIVED 8/1/85
METHOD NO. 624 DETECTION LIMIT 10 ug/lit

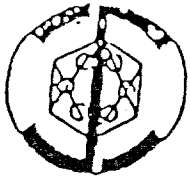
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PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropro- pylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloro- ethane	N.D.	47V bromoform	N.D. 13
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	N.D. 14
14V 1,1,2-trichloro- ethane	N.D.	49V trichlorofluoro- methane	N.D.
15V 1,1,2,2-tetra- chloroethane	N.D.	50V dichlorodifluoro- methane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D. 24
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	N.D. 7*	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

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*Below method detection limit



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 12-1345 PROJECT NO. NF-12
CLIENT SAMPLE ID 710 7/31/85 DATE RECEIVED 8/1/85
METHOD NO. 624 DETECTION LIMIT 10 ug/lit

CLW

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PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloro- pylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloro- ethane	N.D.	47V bromoform	15 N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	15 N.D.
14V 1,1,2-trichloro- ethane	N.D.	49V trichlorofluoro- methane	N.D.
15V 1,1,2,2-tetra- chloroethane	N.D.	50V dichlorodifluoro- methane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	26 N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	8* N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

N.D. = NOT DETECTED

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*Below method detection limit

11333
NREAD

Mr. Charles Rundgren
Water Supply Branch
Division of Health Services
North Carolina Department of
Human Resources
Post Office Box 2091
Raleigh, North Carolina 27602

Dear Mr. Rundgren:

This letter provides Trihalomethane Analysis for the Marine Corps Air Station, New River (MCAS, NR) Water Treatment Plant, ID #04-67-042, conducted in July 1985. The base, in an effort to lower the trihalomethane levels in the water at the Air Station, made a change in the pumping schedule for the wells on 17 July 1985. Of the 23 wells presently serving the water plant, seven have chloride levels over 100 ppm. These high chloride wells were shut off. The 17 July 1985 samples were collected prior to the change. The 24 and 31 July 1985 samples were collected one and two weeks after the high chloride wells were shut off.

Point of contact in this matter is Mr. Julian Wooten, (919) 451-5003.

Sincerely,

R. A. TIEBOUT
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encl: (1) TTHM MCAS Analysis
(2) JTC Environmental Consultants
Reports 100, 103 and 108

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Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 13 August 1985

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