

01.08-05/19/82-00372



UNITED STATES MARINE CORPS
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO
MAIN/DDS/spk
6280/7a

MAY 19 1982

From: Commanding General
To: Commander, Atlantic Division, Naval Facilities Engineering Command
Norfolk, Virginia 23511 (Code 114)

Subj: Total Trihalomethane Monitoring Reports

Ref: (a) FONECON btw Mr. Jerry Wallmeyer, LANTDIV Code 114, and Mr. D. Sharpe, BMaintDiv, MCBCL, of 13 May 82

Encl: (1) USAEHA Form 7; TTHM Surveillance Report Form
(2) Grainger Lab Analysis of 6 May 82, 82-3637
(3) Trihalomethane Sampling Points for Grainger Laboratory Contact

1. Enclosures (1), (2) and (3) are forwarded as requested during the reference.

2. Questions regarding this matter should be addressed to Ms. Elizabeth A. Betz, Supervisory Chemist, telephone extension (919)451-5977.

B. W. Elston
B. W. ELSTON
By direction

TTHM SURVEILLANCE REPORT FORM

Installation CAMP LE JEUNE - RIFLERANGE

Date Collected 30 DEC 81

Source	Sample Number	CHCl ₃	CHCl ₂ Br	CHClBr ₂	CHBr ₃	TTHM
W-P RAW 85	566	5.3	0.7	<0.1	<0.1	6
W-P TREATED 85	567	47.4	28.0	26.5	3.3	105
6	568	45.3	26.6	24.2	3.1	99
10	569	46.4	27.6	26.2	3.5	104
92	570	46.7	27.5	26.0	3.1	103
Reference OBS						
True						

Date Received 4 JAN 82

Date Analyzed 8 JAN 82

Remarks: ELIZABETH BETTS
AV 484-5977

WILLIAM C. NEAL, JR.
Chief, Laboratory Services

TTHM SURVEILLANCE REPORT FORM

Installation CAMP LE JEUVE (RIFLE RANGE)

Date Collected 28 JAN 82 PM

Source	Sample Number	CHCl ₃	CHCl ₂ Br	CHClBr ₂	CHBr ₃	TTHM
WTP 85 FAW	571	22.1	0.6	0.1	<0.1	23
TESTED 85	572	47.1	11.7	3.7	0.3	63
6	573	43.1	10.5	3.3	0.3	57
10	574	51.9	14.2	4.7	0.4	71
92	575	46.8	11.8	3.8	0.3	63
Reference OBS						
True						

Date Received 1 FEB 82

Date Analyzed 4 MAR 82

Remarks: results called in on 5 MAR 82

William C Neal

WILLIAM C. NEAL, JR.
Chief, Laboratory Services

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TTHM SURVEILLANCE REPORT FORM

Installation CAMP LE JEUNE - RIFLE RANGE

Date Collected 18 MAR 82

Source	Sample Number	CHCl ₃	CHCl ₂ Br	CHClBr ₂	CHBr ₃	TTHM
RAW 8.5 WTP	576	1.2	40.1	<0.1	<0.1	1
TREATED 8.5 WTP	577	19.4	8.6	3.5	0.3	32
6	578	28.0	12.8	5.3	0.5	47
10	579	AIR	BUBBLE			—
92	580	34.0	16.8	6.9	0.7	58
Reference OBS						
True						

Date Received 22 MAR 82

Date Analyzed 15 APR 82

Remarks:

William C Neal
 WILLIAM C. NEAL, JR.
 Chief, Laboratory Services

GRAINGER LABORATORIES

INCORPORATED

ANALYTICAL AND CONSULTING CHEMISTS

709 West Johnson Street

Raleigh, North Carolina 27603

(919) 828-3360

ANALYTICAL LABORATORY

Environment Analysis
Construction Materials
Identification of Unknowns
Agriculture
Fuels
Textiles
Chemicals
Hazardous Waste

May 6, 1982
82-3637

Commanding General
Department of Navy
NREAB
Base Maintenance Div.
Marine Corp. Base
Camp Lejeune, NC 28542

Attn: NREAB, QC Lab

Subject: Analysis of samples received 4/26/82

Sample Identification: Purchase Order # M06760C1-82-M2-5084

41 bottles of THM

RESULTS

<u>Sample</u>	<u>Chloroform</u>	<u>Bromodichloro- methane</u>	<u>Chlorodibromo- methane</u>	<u>Bromoform</u>	<u>Total Trihalo- methane</u>
001	1	4	3	2	10
002	1	5	4	2	12
003	1	5	3	2	11
004	1	4	3	2	10
005	1	4	3	2	10
006	3	3	1	<1	7
007	3	4	2	<1	9
008	2	<1	<1	<1	2
009	3	4	2	<1	9
010	3	4	2	<1	9
011	4	4	2	<1	10
012	11	15	20	5	51

CONSULTATION

Metallurgical Services
Pollution Abatement
Process Development
Quality Control
Methods Development
Special Investigation
Pesticides
RCRA



ENCLOSURE (2)

Dept. of Navy
GLI #82-3637
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RESULTS
(cont'd.)

013	13	21	28	11	73
014	15	28	45	32	120
015	15	25	37	22	99
016	15	24	37	24	100
017	18	8	2	<1	28
018	22	9	2	<1	33
019	24	11	3	<1	38
020	20	13	2	<1	35
021	23	21	3	<1	47
022	29	15	4	<1	48
023	29	14	4	<1	47
024	29	15	4	<1	48
025	28	14	4	<1	46
026	29	15	5	<1	49
027	27	13	4	<1	44
028	27	13	4	<1	44
029	29	13	4	<1	46
030	29	14	4	<1	47
031	38	18	6	<1	62
032	32	9	1	<1	42

RESULTS
(cont'd.)

033	41	10	2	<1	53
034	32	9	1	<1	42
035	39	6	<1	<1	45
036	29	9	1	<1	39
037	23	20*	2	<1	45**
038	28	20*	3	<1	51**
039	25	20*	2	<1	47**
040	25	20*	2	<1	47**
041	28	20*	3	<1	51**

* This represents an upper limit on the possible Bromodichloromethane level.

** This represents an upper limit on the possible total trihalomethane level.

NOTE: All results reported in micrograms per liter.

W. Paul Brafford
W. Paul Brafford
Laboratory Supervisor

WPB:ss
Customer #92400

cc: Elizabeth Betz

ENCLOSURE (2)

TRIHALOMETHANE SAMPLING Points
for GRAINGER Laboratory Contract

MONTH: April
YEAR: 1982
TIME

PLE # SAMPLE LOCATION
: Tarawa Terrace Sampler:

Date:

- 1 Bldg STT-39A, Water Plant @ 1st Pump
- 2 Bldg TT-60, TT Elem School I, Main Hall Men's Head Sink
- 3 Bldg TT-48, TT Elem School II, Men's Head across Office
- 4 Bldg TT-2453, TT Exchange gas Station's Ladies Room
- 5 Bldg TT-35, Sewage Plant's Office Sink

WTP: Sampler: Date:

- 6 Bldg E-23, Sewage Lift Station, Knox Trailer Park

WTP: Montford Point Sampler: Date:

- 7 Bldg M-178, Water Plant @ Sink faucet
- 8 Bldg M-625, Steam Plant, Bathroom Sink
- 9 Bldg M-128, Branch Clinic, Men's Head
- 10 Bldg M-136, Sewage Plant Sink
- 11 Bldg M-231, BOQ, 1st floor Men's Head

WTP: New River Sampler: Date:

- 12 Bldg AS-110, Water Plant @ Pump
- 13 Bldg G-520, Career Planner, 2nd floor Men's Room
- 14 Bldg AS-4025, Barracks Rec Room, Bathroom Sink
- 15 Bldg 710, Officer's Club Gally Sink
- 16 Bldg 2800, Boat Marina Men's Room

WTP: Holcomb Blvd Sampler: Date:

- 17 Bldg 670, Water Plant @ Pump
- 18 Bldg 4022, Fire Station, Bathroom Sink
- 19 Bldg 1915, Golf Course, Men's Locker Room
- 20 Bldg 5400, Berkeley Manor Elem School, Main Hall Bathroom
- 21 Bldg 2615, PP Officer's Club, Gally Dishwashing Sink

TRICHALOMETHANE SAMPLING

MONTH:
YEAR:

SAMPLE# SAMPLE LOCATION Sampler: Date: TIME

- 22 Bldg RR-85, Water Plant @ Finish Tap
- 23 Bldg RR-6, Fire House Sink
- 24 Bldg RR-10, Snack Bar Sink
- 25 Bldg RR-200, Across from Target Shed
- 26 Bldg RR-92, Sewage Plant Sink

WTP: Courthouse Bay Sampler: Date:

- 27 Bldg BB-190, Water Plant @ Faucet
- 28 Bldg BB-7, Mess Hall Sink
- 29 Bldg BB-54, Service Club
- 30 Bldg SBB-204, Sewage Plant Sink
- 31 Bldg BB-46, Marina Bathroom Sink

WTP: Onslow Beach Sampler: Date:

- 32 Bldg BA-138, Water Plant
- 34 Bldg BA-103, Mess Hall
- 33 Campsite #2, Spigot 10(Mainland)
- 35 Campsite #1, Spigot 2(Beachside)
- 36 Bldg SBA-142, Spigot at bottom of Pier

WTP: Hadnot Point Sampler: Date:

- 37 Bldg20, Water Plant @ Pump
- 38 Bldg NH-1, Emergency Room Sink
- 39 Bldg 1202, Men's Room Sink
- 40 Bldg 65, Quality Control Lab, Room 220 Sink
- 41 Bldg FC-530, Laundry Room Sink, 1st floor