



January 18, 1984
84-9479

**Grainger
Laboratories
Incorporated**

Analytical and
Consulting Chemists

5500 Commercial Avenue
Raleigh, NC 27612
(919) 787-3061

1040 Greenfield Street
Wilmington, NC 28402
(919) 763-9793

**Analytical
Laboratory**

Environment Analysis
Materials
Identification of Unknowns
Agricultural Products
Fuels
Textiles
Hazardous Waste
GC/MS
ICP Metals
Priority Pollutants

Consultation

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

Certifications

SDWA
NPDES
USDA
USEPA

Quality Control Lab, NREAD
Facilities, MCB
Camp Lejeune, NC 28542

Attention: Ms. Elizabeth Betz

Subject: Analyses of Samples Received 1/3/84

Sample Identification: Purchase Order M67001-83-M5089

1. 443, NR, 1255, 12-29-83
2. 444, NR, 1354, 12-29-83
3. 445, NR, 1304, 12-29-83
4. 446, NR, 1323, 12-29-83
5. 447, NR, 1313, 12-29-83
6. 448, HP, 0830, 12-30-83
7. 449, HP, 0910, 12-30-83
8. 450, HP, 0935, 12-30-83
9. 451, HP, 1010, 12-30-83
10. 452, HP, 0925, 12-30-83

RESULTS

Sample	Chloroform	Bromodichloro- methane	Chlorodibromo- methane	Bromoform	Total Trihalo- methane
1	2	5	14	34	55
2	3	7	20	47	77
3	4	10	31	67	112
4	9	12	34	70	125
5	4	11	38	78	131



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RESULTS
(Continued)

<u>Sample</u>	<u>Chloroform</u>	<u>Bromodichloro- methane</u>	<u>Chlorodibromo- methane</u>	<u>Bromoform</u>	<u>Total Trihalo- methane</u>
6	30*	8	4	<1	42**
7	30*	9	4	<1	43**
8	30*	10	4	<1	44**
9	30*	8	4	<1	42**
10	30*	10	4	<1	44**

NOTE: All results reported in micrograms per liter.
Analysis completed 1/12/84.

* Represents a probable upper limit on the chloroform concentration.
These is an interferent in this sample set.

** Represents a probable upper limit on the total trihalomethane
content.



Bruce A. Babson
Staff Chemist

BAB/at
Customer #92400

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DECLASSIFIED



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RESULTS

Sample	Chloroform	Bromodichloro- methane	Chlorodibromo- methane	Bromoform	Total Trihalo- methane
1	2	5	14	34	55
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4	9	12	34	70	125
5	4	11	38	78	131



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RESULTS
(Continued)

<u>Sample</u>	<u>Chloroform</u>	<u>Bromodichloro- methane</u>	<u>Chlorodibromo- methane</u>	<u>Bromoform</u>	<u>Total Trihalo- methane</u>
6	30*	8	4	<1	42**
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NOTE: All results reported in micrograms per liter.
Analysis completed 1/12/84.

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This is an interferent in this sample set.

** Represents a probable upper limit on the total trihalomethane
content.



Bruce A. Babson
Staff Chemist

BAB/at
Customer #92400

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Grainger Laboratories
5500 Commercial Avenue
Raleigh, NC 27612

<u>Sample#</u>	<u>System</u>	<u>Time</u>	<u>Date</u>
443 A&B	NR	1255	29 Dec 83
444 A&B		13544	
445 A&B		1304	
446 A&B		1323	
447 A&B		1313	
448 A&B	HP	0830	30 Dec 83
449 A&B		0910	
450 A&BB		0935	
451 A&B		1010	
452 A&B		0925	

Point of Contact: Elizabeth Betz
Water Quality Control Lab
Facilities, MCB
Camp Lejeune, NC 28542
(919) 451-5977

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TO: GRAINGER LABORATORIES INC.
5500 COMMERCIAL AVENUE
RALEIGH, NC 27612
(919) - 787-3061

FOR TRIHALOMETHANE ANALYSIS

<u>SAMPLE #</u>	<u>SYSTEM</u>	<u>TIME</u>	<u>DATE</u>
443 A+B	NR	1255	29 DEC 1983
444 A+B	↓	1354	↓
445 A+B	↓	1304	↓
446 A+B	↓	1323	↓
447 A+B	↓	1313	↓
448 A+B	HP	0830	30 DEC 1983
449 A+B	↓	0910	↓
450 A+B	↓	0935	↓
451 A+B	↓	1010	↓
452 A+B	↓	0925	↓

POINT OF ~~CONTACT~~ CONTACT : ELIZABETH BETZ
WATER QUALITY CONTROL LAB
FACILITIES, MCB
CAMP LEJEUNE, NC
(919) 451-5977

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TRIHALOMETHANE SAMPLING

MONTH:
YEAR:

SAMPLE # SAMPLE LOCATION TIME
WTP: Tarawa Terrace Sampler: Date:

Bldg STT-39A, Water Plant @ 1st Pump

Bldg TT-60, TT Elem School I, Main Hall Men's Head Sink

Bldg TT-48, TT Elem School II, Men's Head across Office

Bldg TT-2453, TT Exchange gas Station's Ladies Room

Bldg TT-35, Sewage Plant's Office Sink

WTP: Sampler: Date:

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

WTP: Montford Point Sampler: Date:

Bldg M-178, Water Plant @ Sink faucet

Bldg M-625, Steam Plant, Bathroom Sink

Bldg M-128, Branch Clinic, Men's Head

Bldg M-136, Sewage Plant Sink

Bldg M-231, BOQ, 1st floor Men's Head

WTP: New River Sampler: *L + H* Date: *12/29/83*

443 A+B Bldg AS-110, Water Plant @ Pump *1255*

444 Bldg G-520, Career Planner, 2nd floor Men's Room *1354*

445 Bldg AS-4025, Barracks Rec Room, Bathroom Sink *1304*

446 Bldg 710, Officer's Club Gally Sink *1323*

447 Bldg 2800, Boat Marina Men's Room *1313*

WTP: Holcomb Blvd Sampler: Date:

Bldg 670, Water Plant @ Pump

Bldg 4022, Fire Station, Bathroom Sink

Bldg 1915, Golf Course, Men's Locker Room

Bldg 5400, Berkeley Manor Elem School, Main Hall Bathroom

Bldg 2615, PP Officer's Club, Gally Dishwashing Sink

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TRICHALOMETHANE SAMPLING

MONTH:
YEAR:

SAMPLE## SAMPLE LOCATION Date: TIME
WTP: Rifle Range Sampler: Date:

Bldg RR-85, Water Plant @ Finish Tap

Bldg RR-6, Fire House Sink

Bldg RR-10, Snack Bar Sink

Bldg RR-200, Across from Target Shed

Bldg RR-92, Sewage Plant Sink

WTP: Courthouse Bay Sampler: Date:

Bldg BB-190, Water Plant @ Faucet

Bldg BB-7, Mess Hall Sink

Bldg BB-54, Service Club

Bldg SBB-204, Sewage Plant Sink

Bldg BB-46, Marina Bathroom Sink

WTP: Onslow Beach Sampler: Date:

Bldg BA-138, Water Plant

Bldg BA-103, Mess Hall

Campsite #2, Spigot 10(Mainland)

Campsite #1, Spigot 2(Beachside)

Bldg SBA-142, Spigot at bottom of Pier

WTP: Hadnot Point Sampler: *A* Date: *12/30/83*

448 Bldg20, Water Plant @ Pump *0830*

449 Bldg NH-1, Emergency Room Sink *0910*

450 Bldg 1202, Men's Room Sink *0935*

451 Bldg 65, Quality Control Lab, Room 220 Sink *1010*

452 Bldg FC-530, Laundry Room Sink, 1st floor *0925*

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