



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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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



**CLW**

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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**
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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.

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content.



Bruce A. Babson  
Staff Chemist

BAB/at  
Customer #92400

CLW

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Grainger Laboratories  
5500 Commercial Avenue  
Raleigh, NC 27612

<u>Sample#</u>	<u>System</u>	<u>Time</u>	<u>Date</u>
443A&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  
WTP: Tarawa Terrace      Sampler:      Date:      TIME

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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TRIHALOMETHANE SAMPLING

MONTH:  
YEAR:

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

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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