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GRAINGER LABORATORIES

INCORPORATED

ANALYTICAL AND CONSULTING CHEMISTS

709 West Johnson Street

Raleigh, North Carolina 27603

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ANALYTICAL LABORATORY

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

December 9, 1982
82-5600

Commanding General
Marine Corps Base
Camp Lejeune, N.C. 28542

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CONSULTATION

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

Attention: AC/S Facilities

Subject: Analysis of samples received 12/2/82

Sample Identification:

For sample identification and results, see attached pages.



Bruce A. Babson
Chemist

BAB/cja
Customer #92400
cc: Elizabeth Betz



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RESULTS

<u>Sample</u>	<u>Chloroform</u>	<u>Bromodichloro- methane</u>	<u>Chlorodibromo- methane</u>	<u>Bromoform</u>	<u>Total Trihalo- methane</u>
*261	4	2	<5	4	<15
*262	1	1	<5	2	<9
*263	2	2	<5	5	<14
*264	2	2	<5	4	<13
*265	1	2	<5	4	<12
266	3	3	3	<1	9
267	4	2	2	<1	8
268	3	2	3	<1	8
269	3	3	3	<1	9
270	3	3	3	<1	9
271	4	8	18	19	49
272	7	21	48	51	127
273	6	17	40	50	113
274	5	15	34	37	91
275	7	21	48	49	125
276	15	6	2	<1	23
277	17	7	3	<1	27
278	20	9	4	<1	33
279	28	10	5	<1	43
280	20	8	3	<1	31
281	36	12	4	<1	52
282	34	12	4	<1	50
283	37	13	4	<1	54
284	40	13	4	<1	57
285	35	12	4	<1	51

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RESULTS
 (con't)

Sample	Chloroform	Bromodichloro- methane	Chlorodibromo- methane	Bromoform	Total Trihalo- methane
286	21	11	5	<1	37
287	21	11	5	<1	37
288	21	11	4	<1	36
289	26	13	5	<1	44
290	45	20	8	<1	73
291	20	5	2	<1	27
292	28	3	1	<1	32
293	32	7	1	<1	40
294	38	5	1	<1	44
295	37	3	<1	<1	40
**296	20	<20	<5	<1	<45
**297	22	<20	<5	<1	<47
**298	29	<20	<5	<1	<54
**299	20	<20	<5	<1	<45
**300	28	<20	<5	<1	<53

*All samples from this site show contamination from Tetrachloroethylene. This compound interferes with the determination of Chlorodibromomethane. The reported value represents a probable maximum on the level of this trihalomethane.

**All samples from this site show contamination from Trichloroethylene and Tetrachloroethylene. These compounds interfere with the determinations for both Bromodichloromethane and Chlorodibromomethane. The reported values represent a probable maximum on the levels of these two trihalomethanes.

NOTE: All results reported in micrograms per liter.
 Analysis completed 12/8/82.

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Summary of Trihalomethane Analysis for November 1982

<u>Sample #'s</u>	<u>System</u>	<u>Averages</u>				<u>Run.Ave. (3 Qtr)</u>	<u>Comply</u>
		<u>Nov.</u>	<u>Sep-Nov</u>	<u>Jun-Aug</u>	<u>Mar-May</u>		
261-265	Tarawa Terrace	0.01	0.01	0.02	0.01	0.01	yes
266-270	Camp Johnson	0.01	0.01	0.01	0.01	0.01	yes
271-275	New River	0.12	0.10	0.12	0.09	0.10	yes
276-280	Holcomb Blvd	0.03	0.03	0.03	0.04	0.03	yes
281-285	Rifle Range	0.05	0.05	0.06	0.05	0.05	yes
286-290	Courthouse Bay	0.05	0.05	0.05	0.05	0.05	yes
291-295	Onslow Beach	0.04	0.04	0.06	0.05	0.05	yes
296-300	Hadnot Point	0.05	0.05	0.03	0.04	0.04	yes

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