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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

September 1, 1982
82-4643

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

CONSULTATION

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

Attention: AC/S Facilities

Subject: Analysis of samples received 8/19/82

Sample Identification:

38 Samples

RESULTS

| Sample | Chloroform | Bromodichloro- Methane | Chlorodibromo- methane | Bromoform | Total Trihalo- methane |
|--------|------------|---------------------------|---------------------------|-----------|------------------------------|
| 210 | 4 | 8 | 22 | 48 | 82 |
| 211 | 8 | 19 | 43 | 63 | 133 |
| 212 | 6 | 13 | 37 | 89 | 145 |
| 213 | 5 | 11 | 36 | 91 | 143 |
| 214 | 13 | 30 | 55 | 44 | 142 |
| 215 | 28 | 11 | 4 | <1 | 43 |
| 216 | 26 | 10 | 4 | <1 | 40 |
| 217 | 37 | 14 | 5 | <1 | 53 |
| 218 | 35 | 15 | 6 | <1 | 56 |
| 219 | 30 | 12 | 4 | <1 | 46 |
| 220 | <1 | <1 | <1 | <1 | <1 |
| 221 | <1 | <1 | <1 | <1 | <1 |
| 222 | <1 | <1 | <1 | <1 | <1 |
| 222 | <1 | <1 | <1 | <1 | <1 |
| 223 | <1 | <1 | <1 | <1 | <1 |
| 224 | <1 | <1 | <1 | <1 | <1 |
| 225 | <1 | <1 | <1 | <1 | <1 |
| 226 | <1 | <1 | <1 | <1 | <1 |
| 227 | <1 | <1 | <1 | <1 | <1 |
| 228 | <1 | <1 | <1 | <1 | <1 |

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RESULTS
(cont.)

| | | | | | |
|-----|----|----|----|----|----|
| 229 | <1 | <1 | <1 | <1 | <1 |
| 230 | <1 | <1 | <1 | <1 | <1 |
| 231 | <1 | <1 | <1 | <1 | <1 |
| 232 | <1 | <1 | <1 | <1 | <1 |
| 233 | <1 | <1 | <1 | <1 | <1 |
| 234 | <1 | <1 | <1 | <1 | <1 |
| 235 | <1 | <1 | <1 | <1 | <1 |
| 236 | <1 | <1 | <1 | <1 | <1 |
| 237 | <1 | <1 | <1 | <1 | <1 |
| 238 | <1 | <1 | <1 | <1 | <1 |
| 239 | <1 | <1 | <1 | <1 | <1 |
| 240 | <1 | <1 | <1 | <1 | <1 |
| 241 | <1 | <1 | <1 | <1 | <1 |
| 242 | <1 | <1 | <1 | <1 | <1 |
| 243 | <1 | <1 | <1 | <1 | <1 |
| 244 | <1 | <1 | <1 | <1 | <1 |
| 245 | 1 | 1 | <1 | <1 | 2 |
| 246 | 1 | 1 | 1 | 2 | 5 |
| 247 | 1 | 1 | 2 | 4 | 8 |
| 248 | 2 | 2 | 3 | 4 | 11 |

NOTE: All results reported in micrograms per liter.
Analysis completed 8/31/82

Bruce Babson
Bruce Babson
Chemist

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BB:cja
Customer #92500
cc: Elizabeth Betz

SUMMARY OF TRIHALOMETHANE ANALYSIS FOR JULY & AUGUST 1982

| <u>Sample #'s</u> | <u>System</u> | <u>July</u> | <u>August</u> | <u>Jun-Aug</u> | <u>Mar-May</u> | <u>Run. Ave(2 Qtr)</u> | <u>Comply*</u> |
|-------------------|----------------|-------------|---------------|----------------|----------------|------------------------|----------------|
| 165-169 | Tarawa Terrace | 0.02 | --- | 0.02 | 0.01 | 0.02 | yes |
| 71-175 | Montford Point | 0.01 | --- | <0.01 | <0.01 | <0.01 | yes |
| 76-180 10-214 | New River | 0.11 | 0.14 | 0.12 | 0.09 | 0.105 | ** |
| 81-185 | Holcomb Blvd | 0.03 | --- | 0.03 | 0.04 | 0.04 | yes |
| 86-190 15-219 | Rifle Range | 0.05 | 0.05 | 0.06 | 0.05 | 0.06 | yes |
| 91-195 | Courthouse Bay | 0.05 | --- | 0.05 | 0.05 | 0.05 | yes |
| 96-200 | Onslow Beach | 0.05 | --- | 0.06 | 0.05 | 0.06 | yes |
| 91-205 | Hadnot Point | 0.05 | --- | 0.03 | 0.04 | 0.04 | yes |

Compliance is actually determined from the running annual (4 Qtr) average.

- Results are suppose to be reported in only two significant figures. No specific instructions are given for round off with 5; if it is rounded up New River is not in compliance.

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