# GUILFORD COUNTY

DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

January 29, 1990

Climax General Store
Attn: Mr. Larry Fields
P. O. Box 35
Climax, NC 27233

Dear Mr. Fields:

Enclosed is a copy of the lab analyses, and Health Risk Assessment of the water sample collected at the Climax General Store on December 1, 1989.

If you should have any questions concerning the Health Risk Assessment, please contact Dr. Ken Rudo, Environmental Epidemiology Branch, at (919) 733-3410.

Sincerely,

Terry B. Cole

Terry B. Cole
Toxic and Health Hazard Unit Specialist

/hn

enclosures

301 North Eugene Street
P.O. Box 3508
Greensboro, N. C. 27401
Phone: (919) 373-3771

64-4507

North Carolina Department of Human Resources
Division of Health Services
Laboratory Section
P.O. Box 28047, Raleigh, N.C. 27611

## Environmental Sciences Analysis Report

Name of Owner, Patient or Supply: Climax General Store (Mr. Fields)
Address: 1218 NC HWY 62 E Climax
County: Guilford
Report to: Terry Cole
Address: Guilford Co. Env. Health
301 N. Eugene St, Greensboro NC 27401
Date Collected: 12-1-89
Collected By: Terry Cole
Analysis Desired: VOA / Petroleum

PETROLEUM PRODUCTS

| Laboratory Number | Sample Number | Sample Description or Remarks | Results In |
|---|---|---|---|
| 903484 | | | SEE ATTACHED SHEET(S) |
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Date Received 12-4-89
Date Extracted 12/5/89 VP, JM, MW
Date Reported 12-7-89
Date Analyzed VOC 12/4/89 JM, HP 12/6/89 MW
Reported By:

DHS Form 2364 Revised (5/89)
Laboratory

STATE LABORATORY OF PUBLIC HEALTH
DIVISION OF HEALTH SERVICES, N.C. DEPARTMENT OF HUMAN RESOURCES
P.O. BOX 28047 - 306 N. WILMINGTON ST, RALEIGH, N.C. 27611

Laboratory No. 903484 PURGEABLE COMPOUNDS Date of Analysis 12/4/89

| COMPOUND | µg/l |
|---|---|
| Dichlorodifluoromethane | u |
| Chloromethane | ↓ |
| ✓Vinyl Chloride | ↓ |
| Bromomethane | ↓ |
| Chloroethane | ↓ |
| Trichlorofluoromethane | ↓ |
| ✓1,1-Dichloroethylene | ↓ |
| Methylene Chloride | ↓ |
| tert-Butyl Methyl Ether | ↓ |
| (Trans)1,2-Dichloroethylene | ↓ |
| Isopropyl ether | ↓ |
| 1,1-Dichloroethane | ↓ |
| 2,2-Dichloropropane | ↓ |
| (Cis) 1,2-Dichloroethylene | ↓ |
| Chloroform | ↓ |
| (BCM) Bromochloromethane | ↓ |
| ✓1,1,1-Trichloroethane | ↓ |
| 1,1-Dichloropropene | ↓ |
| ✓Carbon Tetrachloride | ↓ |
| ✓Benzene | 37.6 |
| ✓1,2-Dichloroethane | u |
| ✓Trichloroethylene | ↓ |
| 1,2-Dichloropropane | ↓ |
| Bromodichloromethane | ↓ |
| Dibromomethane | ↓ |
| Toluene | 3.1 |
| 1,1,2-Trichloroethane | u |
| Tetrachloroethene | ↓ |
| 1,3-Dichloropropane | ↓ |
| Dibromochloromethane | ↓ |
| 1,2-Dibromoethane (EDB) | ↓ |
| 1-Chlorohexane | ↓ |
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| COMPOUND | µg/l |
|---|---|
| Chlorobenzene | u |
| Ethylbenzene | 4.0 |
| 1,1,1,2-Tetrachloroethane | u |
| p-Xylene | 5.1 |
| m-Xylene | } |
| o-Xylene | 7.4 |
| Styrene | u |
| Bromoform | ↓ |
| Isopropylbenzene | ↓ |
| 1,1,2,2-Tetrachloroethane | ↓ |
| Bromobenzene | ↓ |
| n-Propylbenzene | ↓ |
| 1,2,3-Trichloropropane | ↓ |
| 2-Chlorotoluene | ↓ |
| 1,3,5-Trimethylbenzene | 27.5 |
| 4-Chlorotoluene | u |
| (Tert) Butyl Benzene | ↓ |
| Pentachloroethane | ↓ |
| 1,2,4-Trimethylbenzene | 13.0 |
| (Sec) Butyl Benzene | u |
| p-Isopropyltoluene | ↓ |
| 1,3-Dichlorobenzene | ↓ |
| ✓1,4-Dichlorobenzene | ↓ |
| n-Butylbenzene | ↓ |
| 1,2-Dichlorobenzene | ↓ |
| (Bis) 2 Chloroisopropyl Ether | ↓ |
| 1,2-Dibromo-3 Chloropropane | ↓ |
| 1,2,4-Trichlorobenzene | ↓ |
| Hexachlorobutadiene | ↓ |
| Naphthalene | ↓ |
| 1,2,3-Trichlorobenzene | ↓ |
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| | |

COMMENTS: Numerous unidentified PID peaks present

MDL - Minimum Detection Limit for water (EPA Method 502.2), is 1.0 µg/l.

J - Estimated value.
K - Actual value is known to be less than value given.
L - Actual value is known to be greater than value given.
U - Material was analyzed for but not detected.
NA - Not analyzed.
1/ - Tentative identification.
✓ - Regulated VOC
T - Trihalomethane

N.C. Division of Health Services
DHS 3068-0 (1/89 Laboratory)