COUNTY OF SUFFOLK

PETER F. COHALAN
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

DAVID HARRIS, M.D., M.P.H.
COMMISSIONER

TO: William Roberts, P.E.
Chief, Bureau of Environmental Pollution Control

FROM: Richard Markel, P.E.
Groundwater Resources Section

DATE: July 18, 1983

SUBJECT: HYDROLOGIC INVESTIGATION AT THE SHERIDAN WASTE OIL CO. ON PECONIC AVENUE IN MEDFORD

A hydrologic investigation was conducted by the writer at the Sheridan Waste Oil Co. to determine the impact of this company's operation on the groundwater reservoir. To accomplish this, groundwater profile wells were installed both upgradient and downgradient of the Sheridan property.

Although this investigation is still in progress, in the professional opinion of the writer, the following findings, conclusions and recommendations can be made from the data collected thus far.

Findings

1. The four homeowner wells on Eileen Court (A. Reyes, #5 Eileen Court; F. Palermo, #6 Eileen Court; S. Pagano, #7 Eileen Court; and F. Maglio, #8 Eileen Court), believed to be screened at least 40 ft. below the top of the water table, were not contaminated by trace organics.

2. The upgradient groundwater profile wells (#3, #4 and #6) were clean with respect to trace organic contamination at all levels sampled.

3. The downgradient groundwater profile wells (2, 5, 7 and 8) were all contaminated above the drinking water guidelines with organics, with well #2 showing heavy organic contamination up to 40 ft. into the water table.

4. The Town and Country Auto wrecking operation is not contributing organic contamination to the groundwater reservoir.

225 RABRO DRIVE EAST
HAUPPAUGE, N.Y. 11788
(516) 348-2917

Conclusions

1. The Sheridan waste oil operation is the cause of the observed groundwater contamination.

2. The fact that the three upstream wells were totally organic free implies that even in this relatively commercialized area (junkyard is upstream of the three upgradient wells), the groundwater quality can be maintained by a careful industrial operation.

3. The organic contamination observed downstream of the Sheridan operation presents a clear danger to homeowners along Oak Street and Hanover Place who rely on private wells for their drinking water needs.

Recommendations

1. It is recommended that the Sheridan operation be investigated to determine exactly what procedures the company is using for storing whatever materials it collects. Provision should be made to eliminate any possibility of groundwater contamination from this operation.

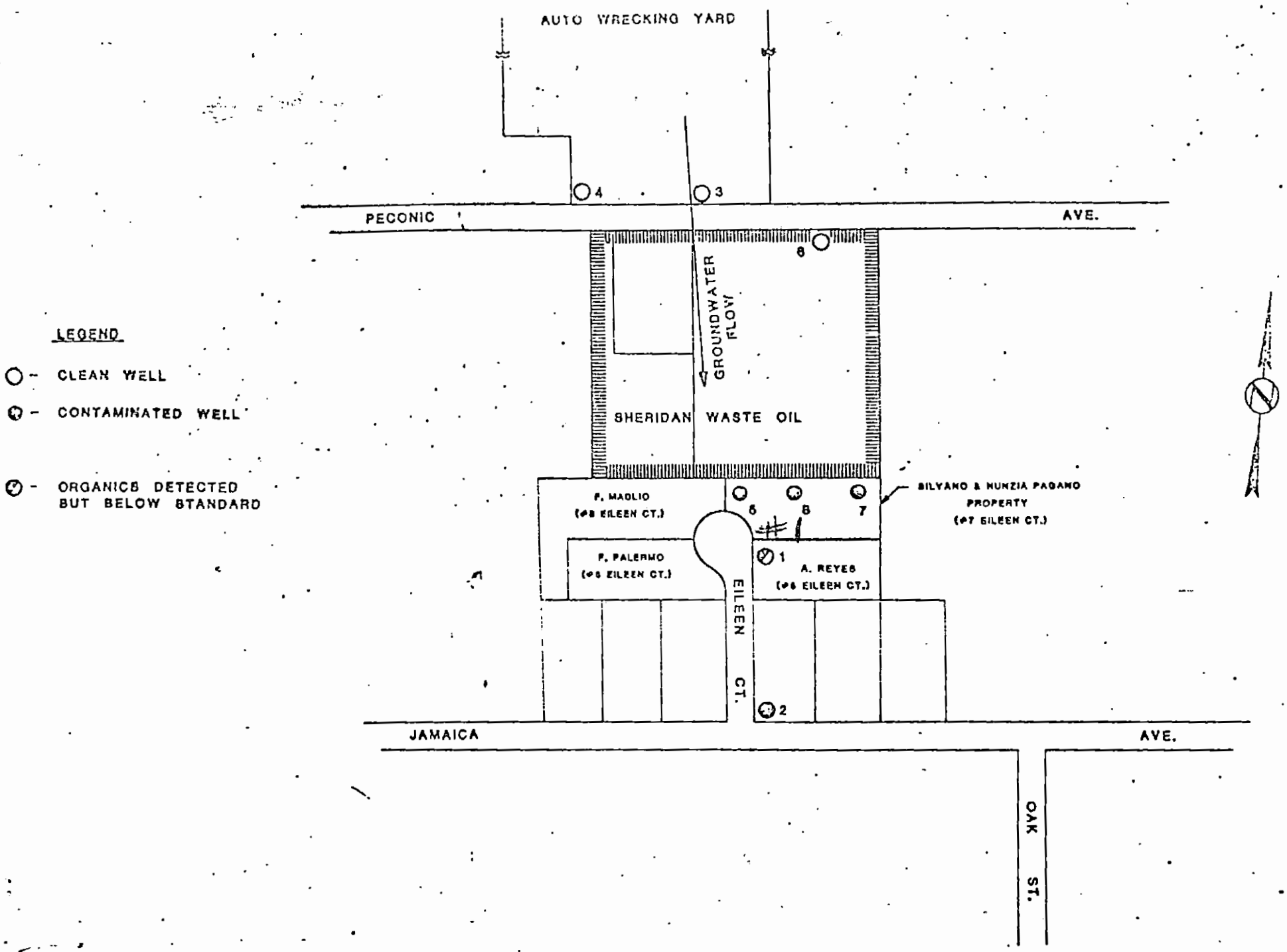
2. Public supply should be installed at Eileen Court as soon as possible. (The main exists at Jamaica Avenue and only approximately a 300-foot extension is required to reach the four homes on Eileen Court not now hooked up to public supply).

3. The homes along Oak Street and Hanover Place should be sampled periodically to determine if the observed organic plume is impacting the residential private wells. (This has been done once by the Drinking Water Section and can be repeated periodically

4. Efforts should be initiated to get Oak Street and all its side streets hooked up to public supply water in the near future.

RM/jb
cc: J. Baier
S. Cary
J. Pim

Attachment (map)


AUTO WRECKING YARD
PECONIC AVE.
4
3
8
GROUNDWATER FLOW
SHERIDAN WASTE OIL
F. MADIO (#8 EILEEN CT.)
5
6
7
SILVANO & NUNZIA PAGANO PROPERTY (#7 EILEEN CT.)
F. PALERMO (#6 EILEEN CT.)
1
A. REYES (#6 EILEEN CT.)
EILEEN CT.
2
JAMAICA AVE.
OAK ST.
LEGEND
- CLEAN WELL
- CONTAMINATED WELL
- ORGANICS DETECTED BUT BELOW STANDARD
SCALE: 1" = 200'

WELL # 1 LOCATION: EILEEN (near house #5) -OFORD D.T.W. =

DATE DRILLED: 11/15/82

COMPOUND (ppb)	DEPTH BELOW GRADE (FT) 40-41	50-51	60-61	70-71
VINYL CHLORIDE	<3	<3	–	–
METHYLENE CHLORIDE	<2	<2	–	–
BROMOCHLOROMETHANE	<2	<2	–	–
1,1 DICHLOROETHANE	<2	<2	–	–
TRANS DICHLOROETHYLENE	<2	<2	–	–
CHLOROFORM	3	<2	<5	<5
1,2 DICHLOROETHANE	<2	<2	–	–
1,1,1 TRICHLOROETHANE	4	<2	<2	23
CARBON TETRA CHLORIDE	<2	<2	<1	<1
1 BROMO-2-CHLOROETHANE	<2	<2	–	–
1,2 DICHLOROPROPANE	<2	<2	–	–
1,1,2 TRICHLOROETHYLENE	13	<2	<5	<5
CHLORODIBROMO METHANE	<2	<2	<2	<2
1,2 DIBROMOETHANE	<2	<2	–	–
2-BROMO-1-CHLOROPROPANE	<2	<2	–	–
BROMOFORM	<2	<2	<5	<5
TETRA CHLOROETHYLENE	22	<2	<2	4
CIS - DICHLOROETHYLENE	<2	<2	–	–
FREON 113	<2	<2	<4	<4
DIBROMOMETHANE	<2	<2	–	–
1,1 DICHLOROETHYLENE	<2	<2	–	–
BROMO DICHLORO METHANE	<2	<2	<3	<3
1,3 DICHLORO PROPANE	<2	<2	–	–
CIS DICHLORO PROPENE	<2	<2	–	–
TRANS DICHLORO PROPENE	<2	<2	–	–
BENZENE	<5	<5	<5	<5
TOLUENE	<5	<5	<5	<5
O-XYLENE	<5	<5	<5	<5
M-XYLENE	<5	<5	<5	<5
P-XYLENE	<5	<5	<5	<5
XYLENE (S)	–	–	–	–
CHLOROBENZENE	<6	<6	<6	<6
ETHYLBENZENE	<5	<5	<5	<5
BROMO BENZENE	<8	<8	<8	<8
O-CHLOROTOLUENE	<6	<6	<6	<6
M-CHLOROTOLUENE	<6	<6	<6	<6
P-CHLOROTOLUENE	<6	<6	<6	<6
CHLOROTOLUENE (S)	–	–	–	–
M-DICHLOROBENZENE	<7	<7	<7	<7
O-DICHLOROBENZENE	<7	<7	<7	<7
P-DICHLOROBENZENE	–	–	–	–
1,2,4 TRIMETHYLBENZENE	<5	<5	<5	<5
1,3,5 TRIMETHYLBENZENE	<5	<5	<5	<5
2,3 DICHLOROPROPENE	<2	<2	–	–
1,1,2 TRICHLOROETHANE	<2	<2	<5	<5
1,1,1,2 TETRACHLOROETHANE	<2	<2	–	–
1,2,2,3 TETRACHLOROPROPANE	<2	<2	–	–
S-TETRACHLOROETHANE	–	–	<3	<3
1,1,1,2 TETRACHLOROPROPANE	<2	<2	–	–
NITRATE-N mg/L				
NITRITE mg/L				
AMMONIA-N mg/L				

WELL # 2 LOCATION: N.E.C. ELTON ST. & JAMAICA AVE. MEDFORD D.T.W. =

DATE DRILLED: 11-16-82

COMPOUND (ppb)	DEPTH BELOW GRADE (F') 30-31	40-41	50-51	60-61
VINYL CHLORIDE	<3	<3	<3	<3
METHYLENE CHLORIDE	<2	<2	<2	<2
BROMOCHLOROMETHANE	<2	<2	<2	<2
1,1 DICHLOROETHANE	<2	<2	<2	<2
TRANS DICHLOROETHYLENE	<2	<2	<2	<2
CHLOROFORM	<2	<2	<2	<2
1,2 DICHLOROETHANE	<2	<2	<2	<2
1,1,1 TRICHLOROETHANE	[30]	[46]	[50]	[30]
CARBON TETRA CHLORIDE	<2	<2	<2	<2
1 BROMO-2-CHLOROETHANE	<2	<2	<2	<2
1,2 DICHLORO PROPANE	<2	<2	<2	<2
1,1,2 TRICHLOROETHYLENE	[2]	<2	[4]	[3]
CHLORO DIBROMO METHANE	<2	<2	<2	<2
1,2 DIBROMOETHANE	<2	<2	<2	<2
2-BROMO-1-CHLOROPROPANE	<2	<2	<2	<2
BROMOFORM	<2	<2	<2	<2
TETRA CHLOROETHYLENE	[8]	[5]	[23]	[9]
CIS - DICHLOROETHYLENE	<2	<2	[2]	[3]
FREON 113	<2	<2	<2	<2
DIBROMOMETHANE	<2	<2	<2	<2
1,1 DICHLOROETHYLENE	<2	<2	<2	<2
BROMO DICHLORO METHANE	<2	<2	<2	<2
1,3 DICHLORO PROPANE	<2	<2	<2	<2
CIS DICHLORO PROPENE	<2	<2	<2	<2
TRANS DICHLORO PROPENE	<2	<2	<2	<2
BENZENE	<5	<5	<5	<5
TOLUENE	<5	<5	<5	<5
O-XYLENE	<5	<5	<5	<5
M-XYLENE	<5	<5	<5	<5
P-XYLENE	<5	<5	<5	<5
XYLENE (S)	—	—	—	—
CHLOROBENZENE	<6	<6	<6	<6
ETHYLBENZENE	<5	<5	<5	<5
BROMO BENZENE	<8	<8	<8	<8
O-CHLOROTOLUENE	<6	<6	<6	<6
M-CHLOROTOLUENE	<6	<6	<6	<6
P-CHLOROTOLUENE	<6	<6	<6	<6
CHLORO TOLUENE (S)	—	—	—	—
M-DICHLORO BENZENE	<7	<7	<7	<7
O-DICHLORO BENZENE	<7	<7	<7	<7
P-DICHLORO BENZENE	<5	<5	<5	<5
1,2,4 TRIMETHYL BENZENE	<5	<5	<5	<5
1,3,5 TRIMETHYL BENZENE	<5	<5	<5	<5
2,3 DICHLOROPROPENE	<2	<2	<2	<2
1,1,2 TRICHLOROETHANE	<2	<2	<2	<2
1,1,1,2 TETRACHLOROETHANE	<2	<2	<2	<2
1,2,2,3 TETRACHLORO PROPANE	<2	<2	<2	<2
S-TETRACHLOROETHANE	—	—	—	—
1,1,2,2 TETRACHLOROETHANE	<2	<2	<2	<2
NITRATE-N mg/L				
NITRITE mg/L				
AMMONIA-N mg/L				

WELL # 51 (1) LOCATION: N.S. of Pacific Ave across from SHERIDAN HOUSE DRIVEWAY D.T.W. = 3

DATE DRILLED: 5/2/83

COMPOUND (ppb)	DEPTH BELOW GRADE (Ft) 50-51	60-61	70-71	80-81
VINYL CHLORIDE	<3	<3	<3	<3
METHYLENE CHLORIDE	<2	<2	<2	<2
BROMOCHLOROMETHANE	<2	<2	<2	<2
1,1 DICHLOROETHANE	<2	<2	<2	<2
TRANS DICHLOROETHYLENE	<2	<2	<2	<2
CHLOROFORM	<2	<2	<2	<2
1,2 DICHLOROETHANE	<2	<2	<2	<2
1,1,1 TRICHLOROETHANE	<2	<2	<2	<2
CARBON TETRA CHLORIDE	<2	<2	<2	<2
1 BROMO-2-CHLOROETHANE	<2	<2	<2	<2
1,2 DICHLOROPROPANE	<2	<2	<2	<2
1,1,2 TRICHLOROETHYLENE	<2	<2	<2	<2
CHLORODIBROMOMETHANE	<2	<2	<2	<2
1,2 DIBROMOETHANE	<2	<2	<2	<2
2-BROMO-1-CHLOROPROPANE	<2	<2	<2	<2
BROMOFORM	<2	<2	<2	<2
TETRA CHLOROETHYLENE	<2	<2	<2	<2
CIS - DICHLOROETHYLENE	<2	<2	<2	<2
FREON 113	<2	<2	<2	<2
DIBROMOMETHANE	<2	<2	<2	<2
1,1 DICHLOROETHYLENE	<2	<2	<2	<2
BROMO DICHLORO METHANE	<2	<2	<2	<2
1,3 DICHLORO PROPANE	<2	<2	<2	<2
CIS DICHLOROPROPENE	<2	<2	<2	<2
TRANS DICHLOROPROPENE	<2	<2	<2	<2
BENZENE	<3	<3	<3	<3
TOLUENE	<3	<3	<3	<3
O-XYLENE	<3	<3	<3	<3
M-XYLENE	<3	<3	<3	<3
P-XYLENE	<3	<3	<3	<3
XYLENE (S)	-	-	-	-
CHLOROBENZENE	<3	<3	<3	<3
ETHYLBENZENE	<3	<3	<3	<3
BROMO BENZENE	<4	<4	<4	<4
O-CHLOROTOLUENE	<3	<3	<3	<3
M-CHLOROTOLUENE	<3	<3	<3	<3
P-CHLOROTOLUENE	<3	<3	<3	<3
CHLOROTOLUENE (S)	-	-	-	-
M-DICHLOROBENZENE	-	-	-	-
O-DICHLOROBENZENE	<4	<4	<4	<4
P-DICHLOROBENZENE	<3	<3	<3	<3
1,2,4 TRIMETHYLBENZENE	<3	<3	<3	<3
1,3,5 TRIMETHYLBENZENE	<3	<3	<3	<3
2,3 DICHLOROPROPENE	<2	<2	<2	<2
1,1,2 TRICHLOROETHANE	<2	<2	<2	<2
1,1,1,2 TETRACHLOROETHANE	<2	<2	<2	<2
1,2,2,3 TETRACHLOROPROPANE	<2	<2	<2	<2
S-TETRACHLOROETHANE	-	-	-	-
1,1,2,2 TETRACHLOROETHANE	<2	<2	<2	<2
NITRATE-N mg/L				
NITRITE mg/L				
AMMONIA-N mg/L				

WELL # 4 ( ) LOCATION: N.S. of [illegible] Ave across from W. Boundary of SHERIDAN PROPERTY D.T.W. = 3

DATE DRILLED: 5/27/83

COMPOUND (ppb)	DEPTH BELOW GRADE (Ft) 50-52	60-62	70-72	
VINYL CHLORIDE	<3	<3	<3	
METHYLENE CHLORIDE	<2	<2	<2	
BROMOCHLOROMETHANE	<2	<2	<2	
1,1 DICHLOROETHANE	<2	<2	<2	
TRANS DICHLOROETHYLENE	<2	<2	<2	
CHLOROFORM	<2	<2	<2	
1,2 DICHLOROETHANE	<2	<2	<2	
1,1,1 TRICHLOROETHANE	<2	<2	<2	
CARBON TETRA CHLORIDE	<2	<2	<2	
1 BROMO-2-CHLOROETHANE	<2	<2	<2	
1,2 DICHLOROPROPANE	<2	<2	<2	
1,1,2 TRICHLOROETHYLENE	<2	<2	<2	
CHLORODIBROMOMETHANE	<2	<2	<2	
1,2 DIBROMOETHANE	<2	<2	<2	
2-BROMO-1-CHLOROPROPANE	<2	<2	<2	
BROMOFORM	<2	<2	<2	
TETRA CHLOROETHYLENE	<2	<2	<2	
CIS-DICHLOROETHYLENE	<2	<2	<2	
FREON 113	<2	<2	<2	
DIBROMOMETHANE	<2	<2	<2	
1,1 DICHLOROETHYLENE	<2	<2	<2	
BROMO DICHLORO METHANE	<2	<2	<2	
1,3 DICHLORO PROPANE	<2	<2	<2	
CIS DICHLOROPROPENE	<2	<2	<2	
TRANS DICHLOROPROPENE	<2	<2	<2	
BENZENE	<3	<3	<3	
TOLUENE	<3	<3	<3	
O-XYLENE	<3	<3	<3	
M-XYLENE	<3	<3	<3	
P-XYLENE	<3	<3	<3	
XYLENE (S)	—	—	—	
CHLOROBENZENE	<3	<3	<3	
ETHYLBENZENE	<3	<3	<3	
BROMOBENZENE	<4	<4	<4	
O-CHLOROTOLUENE	<3	<3	<3	
M-CHLOROTOLUENE	<3	<3	<3	
P-CHLOROTOLUENE	<3	<3	<3	
CHLOROTOLUENE (S)	—	—	—	
M-DICHLOROBENZENE	—	—	—	
O-DICHLOROBENZENE	<4	<4	<4	
P-DICHLOROBENZENE	<3	<3	<3	
1,2,4 TRIMETHYL BENZENE	<3	<3	<3	
1,3,5 TRIMETHYL BENZENE	<3	<3	<3	
2,3 DICHLOROPROPENE	<2	<2	<2	
1,1,2 TRICHLOROETHANE	<2	<2	<2	
1,1,1,2 TETRACHLOROETHANE	<2	<2	<2	
1,2,2,3 TETRACHLOROPROPANE	<2	<2	<2	
S-TETRA CHLOROETHANE	—	—	—	
1,1,1,2 TETRA CHLORO[illegible]	<2	<2	<2	
NITRATE-N mg/l				
NITRITE mg/l				
AMMONIA-N mg/l				

WELL # 6 (LOCATION: N.W. C. OF [illegible] DTW = 2[illegible]
Property E South of SHERIDAN PROPERTY

DATE DRILLED : 5/19/83

[illegible]	DEPTH BELOW GRADE (FT)				
	[illegible]	[illegible]	60-62	70-72	
VINYL CHLORIDE	<3	<2	<3	<3	
METHYLENE CHLORIDE	<2	<1	<2	<2	
BROMOCHLOROMETHANE	<2	<2	<2	<2	
1,1 DICHLOROETHANE	11	<2	<2	<2	
TRANS DICHLOROETHYLENE	<2	<2	<2	<2	
CHLOROFORM	<2	<2	<2	<2	
1,2 DICHLOROETHANE	2	<2	<2	<2	
1,1,1 TRICHLOROETHANE	[illegible]	[illegible]	<2	<2	
CARBON TETRACHLORIDE	<2	<2	<2	<2	
1 BROMO-2-CHLOROETHANE	<2	<2	<2	<2	<
1,2 DICHLOROPROPANE	<2	<2	<2	<2	<
1,1,2 TRICHLOROETHYLENE	34	<2	<2	<2	<
CHLORODIBROMOMETHANE	<2	<2	<2	<2	
1,2 DIBROMOETHANE	<2	<2	<2	<2	<
2-BROMO-1-CHLOROPROPANE	<2	<2	<2	<2	<
BROMOFORM	<2	<2	<2	<2	<
TETRACHLOROETHYLENE	110	<2	<2	<2	<
CIS - DICHLOROETHYLENE	140	<2	<2	<2	<
FREON 113	<2	<2	<2	<2	<
DIBROMOMETHANE	<2	<2	<2	<2	
1,1 DICHLOROETHYLENE	3	<2	<2	<2	<
BROMODICHLOROMETHANE	<2	<2	<2	<2	<
1,3 DICHLOROPROPANE	<2	<2	<2	<2	<
CIS DICHLOROPROPENE	<2	<2	<2	<2	<
TRANS DICHLOROPROPENE	<2	<2	<2	<2	<
BENZENE	<3	<3	<3	<3	<
TOLUENE	<3	<3	<3	<3	<
O - XYLENE	<3	<3	<3	<3	<
M - XYLENE	<3	<3	<3	<3	<
P - XYLENE	<3	<3	<3	<3	<
XYLENE (S)	—	—	—	—	—
CHLOROBENZENE	<3	<3	<3	<3	<
ETHYLBENZENE	<3	<3	<3	<3	<
BROMOBENZENE	<4	<4	<4	<4	<
O - CHLOROTOLUENE	<3	<3	<3	<3	<3
M - CHLOROTOLUENE	<3	<3	<3	<3	<3
P - CHLOROTOLUENE	<3	<3	<3	<3	<3
CHLOROTOLUENE (S)	—	—	—	—	—
M - DICHLOROBENZENE	—	—	—	—	—
O - DICHLOROBENZENE	<4	<4	<4	<4	<
P - DICHLOROBENZENE	<3	<3	<3	<3	<3
1,2,4 TRIMETHYLBENZENE	<3	<3	<3	<3	<3
1,3,5 TRIMETHYLBENZENE	<3	<3	<3	<3	<3
2,3 DICHLOROPROPENE	<2	<2	<2	<2	<2
1,1,2 TRICHLOROETHANE	<2	<2	<2	<2	<2
1,1,1,2 TETRACHLOROETHANE	<2	<2	<2	<2	<2
1,2,2,3 TETRACHLOROPROPANE	<2	<2	<2	<2	<2
S - TETRACHLOROETHANE	—	—	—	—	
[illegible]	[illegible]	[illegible]	<2	<2	
NITRATE - N mg/L					
NITRITE mg/l					
AMMONIA - N mg/l					
CHLORIDE mg/l					

WELL # 6 LOCATION: S. side of ... Just E. of SHERMAN YARD ENTRANCE

DATE DRILLED: 5/25/03

COMPOUND (ppb)	DEPTH BELOW GRADE (F-) 40-42	50-52	60-62	70-72	&
VINYL CHLORIDE	<3	<3	<3	<3	<
METHYLENE CHLORIDE	<2	<2	<2	<2	<
BROMOCHLOROMETHANE	<2	<2	<2	<2	<
1,1 DICHLOROETHANE	<2	<2	<2	<2	<
TRANS DICHLOROETHYLENE	<2	<2	<2	<2	<
CHLOROFORM	<2	<2	<2	<2	<
1,2 DICHLOROETHANE	<2	<2	<2	<2	<
1,1,1 TRICHLOROETHANE	<2	<2	<2	<2	<
CARBON TETRA CHLORIDE	<2	<2	<2	<2	<
1 BROMO-2-CHLOROETHANE	<2	<2	<2	<2	<
1,2 DICHLORO PROPANE	<2	<2	<2	<2	<
1,1,2 TRICHLORO ETHYLENE	<2	<2	<2	<2	<
CHLORO DIBROMO METHANE	<2	<2	<2	<2	<
1,2 DIBROMO ETHANE	<2	<2	<2	<2	<
2-BROMO-1-CHLOROPROPANE	<2	<2	<2	<2	<
BROMOFORM	<2	<2	<2	<2	<
TETRA CHLOROETHYLENE	<2	<2	<2	<2	<
CIS - DICHLOROETHYLENE	<2	<2	<2	<2	<
FREON 113	<2	<2	<2	<2	<
DIBROMOMETHANE	<2	<2	<2	<2	<
1,1 DICHLOROETHYLENE	<2	<2	<2	<2	<
BROMO DICHLORO METHANE	<2	<2	<2	<2	<
1,3 DICHLORO PROPANE	<2	<2	<2	<2	<
CIS DICHLORO PROPENE	<2	<2	<2	<2	<
TRANS DICHLORO PROPENE	<2	<2	<2	<2	<
BENZENE	<3	<3	<3	<3	<
TOLUENE	<3	<3	<3	<3	<
O-XYLENE	<3	<3	<3	<3	<
M-XYLENE	<3	<3	<3	<3	<
P-XYLENE	<3	<3	<3	<3	<
XYLENE (S)	—	—	—	—	—
CHLOROBENZENE	<3	<3	<3	<3	<
ETHYLBENZENE	<3	<3	<3	<3	<
BROMO BENZENE	<4	<4	<4	<4	<
O-CHLORO TOLUENE	<3	<3	<3	<3	<
M-CHLORO TOLUENE	<3	<3	<3	<3	<
P-CHLOROTOLUENE	<3	<3	<3	<3	<
CHLORO TOLUENE (S)	—	—	—	—	—
M-DICHLORO BENZENE	—	—	—	—	—
O-DICHLORO BENZENE	<4	<4	<4	<4	<
P-DICHLORO BENZENE	<3	<3	<3	<3	<
1,2,4 TRIMETHYL BENZENE	<3	<3	<3	<3	<
1,3,5 TRIMETHYL BENZENE	<3	<3	<3	<3	<
2,3 DICHLOROPROPENE	<2	<2	<2	<2	<
1,1,2 TRICHLOROETHANE	<2	<2	<2	<2	<
1,1,1,2 TETRACHLOROETHANE	<2	<2	<2	<2	<
1,2,2,3 TETRACHLORO PROPANE	<2	<2	<2	<2	<
1,1,2,2 TETRACHLOROETHANE	—	—	—	—	—
[illegible]	<2	<2	<2	<2	<
NITRATE-N mg/L					
NITRITE mg/L					
AMMONIA-N mg/L					

WELL # ... LOCATION: N.E. C... OF ... DT.W. = 2...
property of Bouthod & the Sheridan property

DATE DRILLED: 5/...

COMPOUND (ppb)	30-32	40-42	50-52	60-62
	DEPTH BELOW GRADE (Ft)			
VINYL CHLORIDE	<3	<3	<3	<3
METHYLENE CHLORIDE	<2	<2	<2	<2
BROMOCHLOROMETHANE	<2	<2	<2	<2
1,1 DICHLOROETHANE	<2	<2	<2	<2
TRANS DICHLOROETHYLENE	<2	<2	<2	<2
CHLOROFORM	[illegible]	<2	3	7
1,2 DICHLOROETHANE	<2	<2	<2	<2
1,1,1 TRICHLOROETHANE	[illegible]	<2	<2	<2
CARBON TETRA CHLORIDE	<2	<2	<2	<2
1 BROMO-2-CHLOROETHANE	<2	<2	<2	<2
1,2 DICHLORO PROPANE	<2	<2	<2	<2
1,1,2 TRICHLOROETHYLENE	[illegible]	<2	<2	<2
CHLORO DIBROMO METHANE	<2	<2	<2	<2
1,2 DIBROMOETHANE	<2	<2	<2	<2
2-BROMO-1-CHLOROPROPANE	<2	<2	<2	<2
BROMOFORM	<2	<2	<2	<2
TETRA CHLOROETHYLENE	92	<2	<2	<2
CIS - DICHLOROETHYLENE	10	<2	<2	<2
FREON 113	<2	<2	<2	<2
DIBROMOMETHANE	<2	<2	<2	<2
1,1 DICHLOROETHYLENE	<2	<2	<2	<2
BROMO DICHLORO METHANE	<2	<2	<2	<2
1,3 DICHLORO PROPANE	<2	<2	<2	<2
CIS DICHLOROPROPENE	<2	<2	<2	<2
TRANS DICHLOROPROPENE	<2	<2	<2	<2
BENZENE	<3	<3	<3	<3
TOLUENE	<3	<3	<3	<3
O-XYLENE	<3	<3	<3	<3
M-XYLENE	<3	<3	<3	<3
P-XYLENE	<3	<3	<3	<3
XYLENE (S)	—	—	—	—
CHLOROBENZENE	<3	<3	<3	<3
ETHYLBENZENE	<3	<3	<3	<3
BROMOBENZENE	<4	<4	<4	<4
O-CHLOROTOLUENE	<3	<3	<3	<3
M-CHLOROTOLUENE	<3	<3	<3	<3
P-CHLOROTOLUENE	<3	<3	<3	<3
CHLOROTOLUENE (S)	—	—	—	—
M - DICHLOROBENZENE	—	—	—	—
O - DICHLOROBENZENE	<4	<4	<4	<4
P - DICHLOROBENZENE	<3	<3	<3	<3
1,2,4 TRIMETHYL BENZENE	<3	<3	<3	<3
1,3,5 TRIMETHYL BENZENE	<3	<3	<3	<3
2,3 DICHLOROPROPENE	<2	<2	<2	<2
1,1,2 TRICHLOROETHANE	<2	<2	<2	<2
1,1,1,2 TETRACHLOROETHANE	<2	<2	<2	<2
1,2,2,3 TETRACHLOROPROPANE	<2	<2	<2	<2
S-TETRACHLOROETHANE	—	—	—	—
1,1,... TETRA CHLOROETHANE	<2	<2	<2	<2
NITRATE-N mg/l				
NITRITE mg/l				
AMMONIA-N mg/l				

WELL #: 8 LOCATION: N.S. of [illegible] PROP. D.T.W. = 2. Halfway between NEC and NWC and S. of SHERIDAN PROPERTY.

DATE DRILLED: 6/2/83

COMPOUND (ppb)	DEPTH BELOW GRADE (Ft)			
	30-32			
VINYL CHLORIDE				
METHYLENE CHLORIDE				
BROMOCHLOROMETHANE				
1,1 DICHLOROETHANE				
TRANS DICHLOROETHYLENE				
CHLOROFORM				
1,2 DICHLOROETHANE				
1,1,1 TRICHLOROETHANE	213			
CARBON TETRACHLORIDE				
1 BROMO-2-CHLOROETHANE				
1,2 DICHLOROPROPANE				
1,1,2 TRICHLOROETHYLENE	128			
CHLORODIBROMOMETHANE				
1,2 DIBROMOETHANE				
2-BROMO-1-CHLOROPROPANE				
BROMOFORM				
TETRACHLOROETHYLENE	294			
CIS-DICHLOROETHYLENE	178			
FREON 113				
DIBROMOMETHANE				
1,1 DICHLOROETHYLENE				
BROMODICHLOROMETHANE				
1,3 DICHLOROPROPANE				
CIS DICHLOROPROPENE				
TRANS DICHLOROPROPENE				
BENZENE	4			
TOLUENE				
O-XYLENE				
M-XYLENE				
P-XYLENE				
XYLENE (S)				
CHLOROBENZENE				
ETHYLBENZENE				
BROMOBENZENE				
O-CHLOROTOLUENE				
M-CHLOROTOLUENE				
P-CHLOROTOLUENE				
CHLOROTOLUENE (S)				
M-DICHLOROBENZENE				
O-DICHLOROBENZENE				
P-DICHLOROBENZENE				
1,2,4 TRIMETHYLBENZENE				
1,3,5 TRIMETHYLBENZENE				
2,3 DICHLOROPROPENE				
1,1,2 TRICHLOROETHANE				
1,1,1,2 TETRACHLOROETHANE				
1,2,2,3 TETRACHLOROPROPANE				
S-TETRACHLOROETHANE				
1,1,1 [illegible]				
NITRATE-N mg/l				
NITRITE mg/l				
AMMONIA-N mg/l				

5/18/83	#5	#6	#7	#8
coliform /100 ml	<1	1	<1	<1
free ammonia mg/l	<0.04	<0.04	<0.04	<0.04
nitrates "	0.9	0.7	1.1	4.8
MBAS "				
pH	5.7	5.6	6.0	6.0
specific conductivity	120.	181.	240.	117.
chlorides mg/l	21.	37.	51.	10.
sulfates "	24.	19.	10.	10.
iron "	<0.10	0.48	0.13	<0.10
manganese "	<0.05	0.07	<0.05	<0.05
copper "	0.14	0.34	0.11	0.11
zinc "	0.5	<0.4	0.4	0.9
sodium "	17.5	22.9	28.5	8.8
magnesium "				
phosphorous "				
cadmium ug/l				
silver "				
lead "				
chromium "				
arsenic "				
selenium "				
methylene chloride ug/l	<2	<2	<2	<2
bromochloromethane "	<2	<2	<2	<2
1,1 dichloroethane "	<2	<2	<2	<2
trans dichloroetyhlene	<2	<2	<2	<2
chloroform ug/l	<2	<2	<2	<2
1,2 dichloroethane "	<2	<2	<2	<2
1,1,1 trichloroethane	<2	<2	<2	<2
carbon tetrachloride	<2	<2	<2	<2
1 bromo 2 chloroethane	<2	<2	<2	<2
1,2 dichloropropane	<2	<2	<2	<2
1,1,2 trichloroethylene	<2	<2	<2	<2
chlorodibromomethane	<2	<2	<2	<2
1,2 dibromoethane ug/l	<2	<2	<2	<2
bromoform ug/l	<2	<2	<2	<2
tetrachloroethylene "	<2	<2	<2	<2
cis dichloroethylene	<2	<2	<2	<2
freon 113 "	<2	<2	<2	<2
dibromomethane "	<2	<2	<2	<2
1,1 dichloroethylene	<2	<2	<2	<2
bromodichloromethane	<2	<2	<2	<2
benzene ug/l	<3	<2	<2	<2
toluene "	<3	<3	<3	<3
total xylenes "	<3	<3	<3	<3
chlorobenzene "	<3	<3	<3	<3
ethylbenzene "	<3	<3	<3	<3
bromobenzene "	<4	<4	<4	<4
total chlorotoluene "	<3	<3	<3	<3
m-dichlorobenzene "	<4	<4	<4	<4
o-dichlorobenzene "	<4	<4	<4	<4
1,2,4 trimethylbenzene	<3	<3	<3	<3
1,3,5 trimethylbenzene	<3	<3	<3	<3
2,3 dichloropropene "	<2	<2	<2	<2
1,1,2 trichloroethane	<2	<2	<2	<2
Vinyl chloride	<3	<3	<3	<3