



DEPARTMENT OF THE ARMY  
U.S. ARMY GARRISON  
FORT McCLELLAN, ALABAMA 36205-5000

August 19, 2002

REPLY TO  
ATTENTION OF

Environmental Office

Mrs. Starla Bennett  
1608 Joe Street  
Oxford, Alabama 36203

Dear Mrs. Bennett:

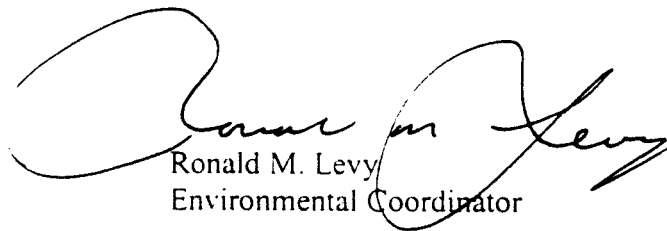
I am providing you the chemical analysis of the groundwater samples collected in May 2002 from the five recently installed and sampled wells on Mr. J.E. Brown's property. The groundwater samples were analyzed for volatile organic compounds only. These results indicate that none of the organic compounds exceeded water quality limits established by the Environmental Protection Agency (EPA).

Enclosed is Table 1 with a complete list of analyses, the results and an explanation of terms used in the Table. The organic compound chloroform, detected in OLF-G32 (see Table 1), is commonly present in drinking water and was detected at a very low concentration (0.4 parts per billion) that does not exceed water quality limits (80 parts per billion) established by the EPA. Figure 1 is a map showing the locations of the wells labeled OLF-G29, OLF-G30, OLF-G31, OLF-G32, and OLF-G37 on Mr. Brown's property.

Copies of this correspondence have been furnished to Mr. Philip Stroud at the Alabama Department of Environmental Management, Mr. Doyle Brittain, EPA, and Mr. Craig Branchfield of the Fort McClellan Restoration Advisory Board.

If you have any questions or need additional clarification, please contact Mr. Lee Jaye at (256) 848-3120.

Sincerely,



Ronald M. Levy  
Environmental Coordinator

Enclosures

Table  
 Summary of Groundwater Analytical Results for Brown Property Wells  
 Sampled May 14 through May 22, 2002

Page 1 of 5

VOLATILE ORGANIC COMPOUNDS	EPA Water Quality Limit or MCL (ug/L)	OLF-G29 Results 22-May-02 (ug/L)	Well result greater than EPA MCL?	OLF-G30 Results 21-May-02 (ug/L)	Well result greater than EPA MCL?	OLF-G31 Results 15-May-02 (ug/L)	Well result greater than EPA MCL?
1,1,1,2-Tetrachloroethane	None	ND		ND		ND	
1,1,1-Trichloroethane	200.00	ND		ND		ND	
1,1,2,2-Tetrachloroethane	None	ND		ND		ND	
1,1,2-Trichloroethane	5.00	ND		ND		ND	
1,1-Dichloroethane	None	ND		ND		ND	
1,1-Dichloroethene	7.00	ND		ND		ND	
1,1-Dichloropropene	None	ND		ND		ND	
1,2,3-Trichlorobenzene	None	ND		ND		ND	
1,2,3-Trichloropropane	None	ND		ND		ND	
1,2,4-Trichlorobenzene	70.00	ND		ND		ND	
1,2,4-Trimethylbenzene	None	ND		ND		ND	
1,2-Dibromo-3-Chloropropane	0.20	ND		ND		ND	
1,2-Dibromoethane	0.05	ND		ND		ND	
1,2-Dichlorobenzene	600.00	ND		ND		ND	
1,2-Dichloroethane	5.00	ND		ND		ND	
1,2-Dichloropropane	0.01	ND		ND		ND	
1,2-Dimethylbenzene	10000.00	ND		ND		ND	
1,3,5-Trimethylbenzene	None	ND		ND		ND	
1,3-Dichlorobenzene	None	ND		ND		ND	
1,3-Dichloropropane	None	ND		ND		ND	
1,4-Dichlorobenzene	75.00	ND		ND		ND	
2-Butanone	None	ND		ND		ND	
2-Hexanone	None	ND		ND		ND	
4-Methyl-2-pentanone	None	ND		ND		ND	
Acetone	None	ND		ND		ND	
Benzene	5.00	ND		ND		ND	
Bromobenzene	None	ND		ND		ND	
Bromochloromethane	None	ND		ND		ND	
Bromodichloromethane	80.00	ND		ND		ND	
Bromoform	80.00	ND		ND		ND	
Bromomethane	None	ND		ND		ND	
Carbon disulfide	None	ND		ND		ND	

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 Sampled May 14 through May 22, 2002

Page 2 of 5

	EPA Water Quality Limit or MCL (ug/L)	OLF-G29 Results 22-May-02 (ug/L)	Well result greater than EPA MCL?	OLF-G30 Results 21-May-02 (ug/L)	Well result greater than EPA MCL?	OLF-G31 Results 15-May-02 (ug/L)	Well result greater than EPA MCL?
Carbon tetrachloride	5.00	ND		ND		ND	
Chlorobenzene	100.00	ND		ND		ND	
Chloroethane	None	ND		ND		ND	
Chloroform	80.00	ND		ND		ND	
Chloromethane	None	ND		ND		ND	
Cumene	None	ND		ND		ND	
Dibromochloromethane	80.00	ND		ND		ND	
Dibromomethane	None	ND		ND		ND	
Dichlorodifluoromethane	None	ND		ND		ND	
Ethylbenzene	700.00	ND		ND		ND	
Hexachlorobutadiene	None	ND		ND		ND	
Methylene chloride	5.00	ND		ND		ND	
Naphthalene	None	ND		ND		ND	
Styrene	100.00	ND		ND		ND	
Tetrachloroethene	5.00	ND		ND		ND	
Toluene	1000.00	ND		ND		ND	
Trichloroethene	5.00	ND		ND		ND	
Trichlorofluoromethane	None	ND		ND		ND	
Vinyl chloride	2.00	ND		ND		ND	
cis-1,2-Dichloroethene	70.00	ND		ND		ND	
cis-1,3-Dichloropropene	None	ND		ND		ND	
m,p-Xylenes	10000.00	ND		ND		ND	
n-Butylbenzene	None	ND		ND		ND	
n-Propylbenzene	None	ND		ND		ND	
o-Chlorotoluene	None	ND		ND		ND	
p-Chlorotoluene	None	ND		ND		ND	
p-Cymene	None	ND		ND		ND	
sec-Butylbenzene	None	ND		ND		ND	
sec-Dichloropropane	None	ND		ND		ND	
tert-Butylbenzene	None	ND		ND		ND	
trans-1,2-Dichloroethene	None	ND		ND		ND	
trans-1,3-Dichloropropene	100.00	ND		ND		ND	
	None	ND		ND		ND	

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 Sampled May 14 through May 22, 2002

Page 3 of 5

	EPA Water Quality Limit or MCL (ug/L)	OLF-G32 Results 17-May-02 (ug/L)	Well result greater than EPA MCL?	OLF-G37 Results 14-May-02 (ug/L)	Well result greater than EPA MCL?
<b>VOLATILE ORGANIC COMPOUNDS</b>					
1,1,1,2-Tetrachloroethane	None	ND		ND	
1,1,1-Trichloroethane	200.00	ND		ND	
1,1,2,2-Tetrachloroethane	None	ND		ND	
1,1,2-Trichloroethane	5.00	ND		ND	
1,1-Dichloroethane	None	ND		ND	
1,1-Dichloroethene	7.00	ND		ND	
1,1-Dichloropropene	None	ND		ND	
1,2,3-Trichlorobenzene	None	ND		ND	
1,2,3-Trichloropropane	None	ND		ND	
1,2,4-Trichlorobenzene	70.00	ND		ND	
1,2,4-Trimethylbenzene	None	ND		ND	
1,2-Dibromo-3-Chloropropane	0.20	ND		ND	
1,2-Dibromoethane	0.05	ND		ND	
1,2-Dichlorobenzene	600.00	ND		ND	
1,2-Dichloroethane	5.00	ND		ND	
1,2-Dichloropropane	0.01	ND		ND	
1,2-Dimethylbenzene	10000.00	ND		ND	
1,3,5-Trimethylbenzene	None	ND		ND	
1,3-Dichlorobenzene	None	ND		ND	
1,3-Dichloropropane	None	ND		ND	
1,4-Dichlorobenzene	75.00	ND		ND	
2-Butanone	None	ND		ND	
2-Hexanone	None	ND		ND	
4-Methyl-2-pentanone	None	ND		ND	
Acetone	None	ND		ND	
Benzene	5.00	ND		ND	
Bromobenzene	None	ND		ND	
Bromochloromethane	None	ND		ND	
Bromodichloromethane	80.00	ND		ND	
Bromoform	80.00	ND		ND	
Bromomethane	None	ND		ND	
Carbon disulfide	None	ND		ND	

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 Sampled May 14 through May 22, 2002

Page 4 of 5

	EPA Water Quality Limit or MCL (ug/L)	OLF-G32 Results 17-May-02 (ug/L)	Well result greater than EPA MCL?	OLF-G37 Results 14-May-02 (ug/L)	Well result greater than EPA MCL?
Carbon tetrachloride	5.00	ND		ND	
Chlorobenzene	100.00	ND		ND	
Chloroethane	None	ND		ND	
Chloroform	80.00	0.4 J		ND	
Chloromethane	None	ND		ND	
Cumene	None	ND		ND	
Dibromochloromethane	80.00	ND		ND	
Dibromomethane	None	ND		ND	
Dichlorodifluoromethane	None	ND		ND	
Ethylbenzene	700.00	ND		ND	
Hexachlorobutadiene	None	ND		ND	
Methylene chloride	5.00	ND		ND	
Naphthalene	None	ND		ND	
Styrene	100.00	ND		ND	
Tetrachloroethene	5.00	ND		ND	
Toluene	1000.00	ND		ND	
Trichloroethene	5.00	ND		ND	
Trichlorofluoromethane	None	ND		ND	
Vinyl chloride	2.00	ND		ND	
cis-1,2-Dichloroethene	70.00	ND		ND	
cis-1,3-Dichloropropene	None	ND		ND	
m,p-Xylenes	10000.00	ND		ND	
n-Butylbenzene	None	ND		ND	
n-Propylbenzene	None	ND		ND	
o-Chlorotoluene	None	ND		ND	
p-Chlorotoluene	None	ND		ND	
p-Cymene	None	ND		ND	
sec-Butylbenzene	None	ND		ND	
sec-Dichloropropane	None	ND		ND	
tert-Butylbenzene	None	ND		ND	
trans-1,2-Dichloroethene	100.00	ND		ND	
trans-1,3-Dichloropropene	None	ND		ND	

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Brown Property Wells Sampled May 14 through May 22, 2002

Page 5 of 5

EXPLANATION OF ANALYTICAL RESULTS

Analyses were performed using Environmental Protection Agency (EPA) SW-846 analytical methods. Well water was analyzed for volatile organic compounds.

**MCL - Maximum Contaminant Level.**

The highest level of a contaminant that EPA allows in drinking water as determined in *Drinking Water Standards and Health Advisories*, Office of Water, EPA, Summer 2000.

Where "None" is found on the table, an MCL has not been determined by EPA. Greater than the MCL. Where "YES" the analytical result exceeds the MCL concentration.

ug/L - Micrograms per liter; unit of concentration also referred to as "parts per billion."

B - This constituent was detected in an associated laboratory or field sample and may not represent the actual concentration.

J - Result is estimated as a result of possible laboratory measurement inaccuracies.

ND - Not detected. The lab tested for the contaminant but did not detect it.