

Chloride sodium .....	·0207	Carbonate iron .....	traces
“ potassium .....	·0496	Alumina .....	undet
Sulphate potash .....	·3081	Silica .....	·0160
Carbonate soda .....	·1340		
“ lime .....	·1740	In 1,000 parts of water .....	·5311
“ magnesia .....	·1287		

*St. Sévère, St. Maurice Co.*—The water of a spring occurring in this parish has lately been put upon the market under the name of “Mineral water Divira” though with what success, and under what conditions the water occurs, are not known to the writer. The only available analysis is that by Profs. Favard and Pfister of Montreal:

Chloride sodium .....	551·68	Phosphate soda .....	·96
“ potassium .....	38·59	Bi-carbonate lime .....	8·61
“ lithium .....	7·29	“ magnesium .....	119·72
“ barium .....	trace	“ iron .....	18·01
“ calcium .....	1·49	“ manganese .....	·28
“ magnesia .....	58·18	Alumina .....	37·85
Bromide sodium .....	398·87	Silica .....	5·46
Iodide .....	6·42		
Sulphate lime .....	trace	Grains in imp. gallon. ....	1255·25

*Varennes, Verchères Co. (a)*—Two springs known locally as the “Saline” and “Gas” springs occur at this place, the waters rising through the clay from rocks near the summit of the Utica or base of the Hudson River formation. In both instances carburetted hydrogen is given off, in the case of the saline spring in but small quantities at infrequent intervals, while from the gas spring sufficient was evolved at one time to warrant its collection and utilization in the lighting of the house that had been erected over it. In November 1847 the temperature of the Saline spring was 47° F. and that of the Gas spring 40° F., the air being 19° F. Again on the 18th of October in the following year the temperature was taken and found to be 47·5° F. in the Saline spring, while the Gas spring was 45·5° F. the atmosphere being 44° F. The following analyses are available:

	Saline Spring	Gas Spring
Chloride sodium .....	9·4231	8·4286
“ potassium .....	·1234	·0382
Bromide sodium .....	·0126	·0046
Iodide .....	·0054	·0085
Carbonate soda .....	·1705	·3260
“ baryta .....	·0226	·0123
“ strontia .....	·0140	·0096
“ lime .....	·3540	·3490
“ magnesia .....	·5433	·3559
“ iron .....	·0048	traces
Alumina .....	traces	“
Silica .....	·0465	·0540
In 1,000 parts of water .....	10·7202	9·5867
Specific gravity .....	1008·15	1007·7