

**Valparaiso Part 2:  
Heavy Metal Liver Analysis of Two  
Mutilated Animals from Valparaiso, #237 and #8**

As a first step in determining circumstances surrounding the death of the Valparaiso animals, metal analysis was conducted on the livers, since previous experimental results had documented unusual heavy metal concentrations in the liver (see, for example [http://www.nidsci.org/articles/ucd\\_report1.html](http://www.nidsci.org/articles/ucd_report1.html)).

Using Inductive Coupled Plasma Mass Spectrometry (ICPMS) analysis, the following metals were tested in the livers of two animals: Arsenic (As), Cadmium (Cd), Iron (Fe), Copper (Cu), Mercury (Hg), Manganese (Mn), Lead (Pb), Molybdenum (Mo), Zinc (Zn). The following results were obtained:

	#237	#8	Normal Values
As	<1ppm	<1ppm	<1 ppm
Cd	<0.3	<0.3	<2 ppm
Cu	83.8	32.0	25-100
Fe	73.4	63.1	45-300
Pb	<1	<1	<1 ppm
Mn	2.5	2.94	2.5-6.0
Hg	<1	<1	<1
Mo	1.2	1.5	<1.4
Zn	43.4	29.5	25-100

As indicated, all heavy metal concentrations in the livers were normal in contrast to what has been found in other mutilated animals.