Detection (MID) profile, with no discernible increase in intensity at the appropriate retention times. Recovery studies were then carried out, in which known amounts of HT-2 and T-2 were added to measured volumes of plasma and whole blood. Gentle mixing (5 minutes at room temperature) was followed by extraction, clean-up and analysis by GC/MS/MID. Data manipulation removed the background intensity and gave an area count for each ion at the appropriate retention time. Quantitation was achieved by comparison of this value with the area produced by standard solutions treated in an identical manner.

It was found that at high concentrations (i.e., greater than 1 ppm), the recovery of both HT-2 and T-2 was 85% or greater. The recovery was less at lower concentrations, and was almost identical whether plasma or whole blood was fortified.

Table 4

Recovery Study - Canadian Blood Samples

Concentration	Toxin	Recovery %
1 ppm	HT-2	85
1 ppm	T-2	85
20 ppb	HT-2	50
20 ppb	T-2	75
10 ppb	HT-2	25
10 ppb	T-2	50