

Toxicology Station

The pH of four samples was measured by students. The pH and the result of two other analyses was then used to determine if any poison was present in the samples by comparing to reference samples.

	Sample	Test 1	Test 2	pH
1	Coconut Water	Yellow	Green	9
2	Water in Training Bottle	Yellow	Yellow	7
3	Coffee at Wilson's	Blue	Red	2
4	Recovery Patch	Blue	Blue	12

References

Pesticides/Herbicides	Test 1	Test 2	pH
Diazonon	Blue	Blue	7
Bromocil	Green	Red	7
Cyanazine		Purple	7

Heavy Metals	Test 1	Test 2	pH
Arsenic	Blue	Red	2
Chromium	Green	Red	12
Lead	Red	Purple	9
Mercury	Yellow	Yellow	4

Volatiles	Test 1	Test 2	pH
Acetone	Yellow	Red	9
Cyanide	Yellow	Purple	9
Chloroform	Purple		3
Ethylene Glycol	Green	Red	3

Rodenticides/Poison	Test 1	Test 2	pH
Warfarin	Red	Yellow	12
Botulism	Blue	Blue	5
Strychnine	Purple	Green	12
Amphetamines	Yellow	Yellow	7