**Table 10**: Recoveries of pyrethroids and internal standard at three fortification level.

|  |  |  |  |
| --- | --- | --- | --- |
| **Average recovery (%) ± S.D.** | | | |
| **Pyrethroid & Standard** | **Fish** | **Soil** | **Moss** |
| 10 ppb fortification level | | | |
| Permethrin cis | 104.5 ± 5.9 | 96.9 ± 4.9 | 91.9 ± 5.1 |
| Permethrin trans | 97.7 ± 4.8 | 94.1 ± 4.2 | 97.6 ± 12 |
| Fenvalerate cis | 108.5 ± 2.7 | 92.3 ± 9.8 | 104.7 ± 5.4 |
| Fenvalerate trans | 102.9 ± 11 | 93.9 ± 7.8 | 102.8 ± 5.3 |
| Cyfluthrin | 100.9 ± 7.5 | 96.8 ± 8.1 | 101.4 ± 4.6 |
| Cypermethrin | 86.9 ± 1.6 | 89.4 ± 10.2 | 102.2 ± 4.8 |
| Deltamethrin | 88.1 ± 2.7 | 82.6 ± 6.3 | 108 ± 4.4 |
| Mirex, standard | 97.4 ± 4.6 | 96.6 ± 6.2 | 112.8 ± 8.2 |
| 50 ppb fortification level | | | |
| Permethrin cis | 108.7 ± 12 | 98.9 ± 6.4 | 91.4 ± 5.8 |
| Permethrin trans | 80.5 ± 6.3 | 93.2 ± 7.2 | 98.7 ± 6.6 |
| Fenvalerate cis | 92.8 ± 4.1 | 88.4 ± 3.9 | 89.8 ± 7.1 |
| Fenvalerate trans | 86.1 ± 4.6 | 91.3 ± 8.1 | 91.6 ± 8.1 |
| Cyfluthrin | 117.7 ± 2.5 | 100.5 ± 4.5 | 95.5 ± 4.6 |
| Cypermethrin | 106.3 ± 3.2 | 98.8 ± 7.7 | 85.0 ± 7.8 |
| Deltamethrin | 115 ± 7.1 | 81.7 ± 4.2 | 92.6 ± 5.8 |
| Mirex, standard | 108.3 ± 2.1 | 101.2 ± 9.1 | 98.7 ± 5.8 |
| 100 ppb fortification level | | | |
| Permethrin cis | 114.5 ± 2.1 | 92.7 ± 11.9 | 98.1 ± 11.6 |
| Permethrin trans | 84.5 ± 2.8 | 98.6 ± 10.9 | 107.9 ± 11.2 |
| Fenvalerate cis | 100.4 ± 3.7 | 98.4 ± 2.4 | 94.5 ± 10 |
| Fenvalerate trans | 98.3 ± 6.8 | 94.6 ± 4.6 | 80.6 ± 5.6 |
| Cyfluthrin | 86.6 ± 6.9 | 102 ± 10.1 | 87.6 ± 8.9 |
| Cypermethrin | 86.6 ± 5.7 | 108.2 ± 2.6 | 98.5 ± 8.5 |
| Deltamethrin | 96.9 ± 4.5 | 84.8 ± 6.3 | 84.3 ± 8.2 |
| Mirex, standard | 84.8 ± 5.1 | 98.8 ± 4.4 | 100.6 ± 6.2 |