**Table S1.** Drugs analyzed in oral fluid samples from festival participants (n=1309), cut-off concentrations, and findings.

|  |  |  |  |
| --- | --- | --- | --- |
| **Substance** | **Analytical cutoff in****oral fluid-buffer-methanol mixture ng/mL** | **Corresponding cut-off in neat oral fluida****ng/mL** | **Prevalence % (n)** |
| ***Illicit substances*** |  |  |  |
|  *Cannabis* |  |  |  |
|  Tetrahydrocannabinol | 0.047 | 0.37 | 6.0 (78) |
|  *Central stimulants* |  |  |  |
|  Amphetamine | 1.8 | 15 | 0.5 (7) |
|  Methamphetamine | 1.1 | 8.9 | 0.2 (3) |
|  Amphetamine or methamphetamine |  –  |  –  | 0.7 (9) |
|  Cocaine | 0.14 | 1.1 | 2.8 (36) |
|  Benzoylecgonineb | 0.54 | 4.3 | 1.4 (18) |
|  Cocaine or benzoylecgonine |  –  | – | 3.2 (42) |
|  MDMA (ecstasy) | 0.29 | 2.3 | 2.4 (32) |
|  *Illicit opiate* |  |  |  |
|  6-monoacetylmorfin | 0.59 | 4.7 | 0.1 (1)c |
|  *Hallucinogen* |  |  |  |
|  LSD | 0.0024 | 0.019 | 0.0 (0) |
|  *NPSd* |  |  |  |
|  25C-MBOMe | 0.0060 | 0.048 | 0.0 (0) |
|  25I-NBOMe | 0.0077 | 0.062 | 0.0 (0) |
|  2C-B | 0.029 | 0.23 | 0.0 (0) |
|  2C-I | 0.035 | 0.28 | 0.0 (0) |
|  4-methylamphetamine | 0.067 | 0.54 | 0.0 (0) |
|  5F-APINACA | 0.012 | 0.093 | 0.0 (0) |
|  5F-PB-22 | 0.011 | 0.091 | 0.2 (2) |
|  Alpha-PVP | 0.016 | 0.13 | 0.0 (0) |
|  AM-2201 | 0.011 | 0.087 | 0.1 (1) |
|  Diclazepam | 0.024 | 0.19 | 0.0 (0) |
|  Dimethyltryptamine | 0.013 | 0.11 | 0.2 (2) |
|  Etizolam | 0.027 | 0.22 | 0.1 (1) |
|  Ethylphenidate | 0.019 | 0.15 | 0.1 (1) |
|  Flubromazepam | 0.025 | 0.20 | 0.0 (0) |
|  Flubromazolam | 0.028 | 0.22 | 0.0 (0) |
|  Ketamine | 0.043 | 0.34 | 0.2 (2) |
|  Methylenedioxypyrovalerone | 0.062 | 0.50 | 0.0 (0) |
|  Mephedrone | 0.013 | 0.11 | 0.0 (0) |
|  Methiopropamine | 0.011 | 0.087 | 0.0 (0) |
|  Salvinorin A | 0.39 | 3.1 | 0.0 (0) |
|  THJ-2201 | 0.011 | 0.087 | 0.0 (0) |
|  UR-144 | 0.0094 | 0.075 | 0.0 (0) |

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**Table S1 (continued).**

|  |  |  |  |
| --- | --- | --- | --- |
| **Substance** | **Analytical cutoff in** **oral fluid-buffer-methanol mixture (ng/mL)** | **Corresponding cut-off in neat oral fluida****(ng/mL)** | **Prevalence in oral fluid samples (%)** |
| ***Licit substances*** |  |  |  |
|  *Opioid analgesics* |  |  |  |
|  Buprenorfin | 0.88 | 7.1 | 0.1 (1) |
|  Codeine | 0.57 | 4.5 | 0.2 (2) |
|  Fentanyl | 0.10 | 0.81 | 0.0 (0) |
|  Methadone | 0.58 | 4.7 | 0.0 (0) |
|  Morphine | 0.54 | 4.3 | 0.0 (0) |
|  Oxycodone | 0.57 | 4.5 | 0.0 (0) |
|  Tramadol | 4.0 | 32 | 0.0 (0) |
|  *Sedatives and hypnotics* |  |  |  |
|  7-aminoflunitrazepamb | 0.011 | 0.088 | 0.0 (0) |
|  7-aminoclonazepamb | 0.054 | 0.43 | 0.2 (2) |
|  7-aminonitrazepamb | 0.047 | 0.38 | 0.0 (0) |
|  Alprazolam | 0.035 | 0.28 | 0.5 (6) |
|  Clonazepam | 0.036 | 0.29 | 0.4 (5) |
|  Diazepam | 0.026 | 0.21 | 0.2 (2) |
|  Flunitrazepam | 0.024 | 0.19 | 0.2 (2) |
|  N-desmetyldiazepamb | 0.051 | 0.41 | 0.2 (3) |
|  Meprobamate | 1.6 | 13 | 0.0 (0) |
|  Nitrazepam | 0.032 | 0.26 | 0.2 (2) |
|  Oxazepam | 0.37 | 3.0 | 0.1 (1) |
|  Phenazepam | 0.026 | 0.21 | 0.2 (2) |
|  Phenobarbital | 1.7 | 14 | 0.0 (0) |
|  Zolpidem | 0.010 | 0.083 | 0.2 (3) |
|  Zopiclone | 0.073 | 0.59 | 0.8 (10) |

aFor a volume of collected oral fluid of 0.4 mL.
bMetabolites.

cIncluding morphine.
dSubstances classified as NPS in this study.