Stopy polutantů ve vodách - příloha

*Tabulka 1: Koncentrace perfluorovaných látek (PFAS) v extraktech vod připravených dle SOP-AL-051*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | c (ng/vzorek) | | | | | |
| LAB code | PFBA | PFHxA | PFOA | PFBS | PFHxS | PFOS |
| W\_001 | < 0.2 | < 0.1 | 3.2 | < 0.1 | < 0.1 | 0.6 |
| W\_002 | 0.8 | 0.9 | 1.3 | 0.6 | 2.2 | 4 |
| W\_003 | < 0.2 | < 0.1 | 0.9 | 0.8 | 0.5 | 2.1 |
| W\_004 | < 0.2 | < 0.1 | 1.4 | < 0.1 | < 0.1 | 2.8 |
| W\_005 | 0.7 | 3.1 | 6.2 | 0.2 | 2.5 | 4.5 |
| W\_006 | 0.9 | 1.6 | 4.4 | 0.9 | 0.6 | 3.9 |
| W\_007 | 0.7 | 108.3 | 88.2 | < 0.1 | 1.2 | 96.3 |
| W\_008 | 1.4 | 7.2 | 10.9 | 0.8 | 6.1 | 9.3 |
| W\_009 | 1 | 5.1 | 7.1 | 1.5 | 2.9 | 3.1 |
| W\_010 | < 0.2 | 2.2 | 3.7 | 1.1 | 7.5 | 8.7 |
| W\_011 | < 0.2 | 2.4 | 1.9 | < 0.1 | < 0.1 | 3.6 |
| W\_012 | 0.4 | 6.2 | 6.1 | 2.2 | 3.2 | 7 |
| W\_013 | 1.8 | 2.9 | 4.4 | 0.4 | 1.5 | 4.4 |
| W\_014 | 3.5 | 12.8 | 9.5 | 3.5 | 10.1 | 11.2 |
| W\_015 | 2.2 | 5.7 | 6.6 | 3.3 | 5.1 | 9 |

*Tabulka 2: Popis odběrových lokalit*

|  |  |
| --- | --- |
| Označení lokality | GPS souřadnice |
| W\_001 | 49°58'56.2"N 125°12'22.0"W |
| W\_002 | 50°03'35.7"N 125°05'26.7"W |
| W\_003 | 50°00'18.8"N 124°49'47.4"W |
| W\_004 | 49°42'58.6"N 124°15'30.1"W |
| W\_005 | 49°43'34.0"N 124°50'57.8"W |
| W\_006 | 49°21'45.2"N 124°16'41.1"W |
| W\_007 | 49°36'21.2"N 123°14'15.1"W |
| W\_008 | 49°17'59.7"N 123°10'26.3"W |
| W\_009 | 49°12'01.0"N 123°54'03.4"W |
| W\_010 | 49°01'56.7"N 122°55'40.5"W |
| W\_011 | 48°43'44.3"N 123°24'40.8"W |
| W\_012 | 48°42'13.0"N 122°35'14.4"W |
| W\_013 | 48°29'34.5"N 122°29'48.2"W |
| W\_014 | 48°10'49.1"N 122°47'22.8"W |
| W\_15 | 48°23'29.4"N 123°26'50.8"W |

*Tabulka 3: Množství akumulovaných látek (m) ve vzorkovačích a koncentrace látek ve vodě (cW) v průběhu kalibrace*

|  |  |  |  |
| --- | --- | --- | --- |
| Čas (h) | m (pg) | | |
| PFOS | PFHxA | PFOA |
| 0 | 125 | 167 | 226 |
| 36 | 334 | 446 | 417 |
| 72 | 421 | 729 | 631 |
| 108 | 640 | 1019 | 786 |
| 144 | 882 | 1460 | 1135 |
| 180 | 990 | 1899 | 1353 |
| 216 | 1176 | 2341 | 1482 |
| 252 | 1399 | 2535 | 1658 |
|  |  |  |  |
|  | PFOS | PFHxA | PFOA |
| cW(ng/l) | 1,54 | 1,78 | 1,62 |

*Tabulka 4: Koncentrace látek v extraktu pasivního vzorkovače*

|  |  |
| --- | --- |
| Látka | c (pg/ml) |
| M8PFOA | 3420 |
| PFHxA | 226 |
| PFOA | 3470 |
| PFOS | 1910 |

*Tabulka 5: Výsledky pasivního vzorkování na řece*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Přibližná vzdálenost od ústí (km) | Před/Za přítokem | Průtok (m3/s) | Množství PFOS ve vzorkovači (pg) | | | |
| Prosinec | Leden | Únor | Březen |
| 55 | Před | 31 | 859 | 687 | 743 | 911 |
| Za | 68 | 922 | 802 | 781 | 999 |
| 29 | Před | 76 | 1224 | 1266 | 1198 | 1323 |
| Za | 105 | 1197 | 1221 | 1213 | 1322 |
| 12 | Před | 108 | 1311 | 1424 | 1386 | 1403 |
| Za | 131 | 1265 | 1422 | 1407 | 1364 |
| 6 | Před | 132 | 1374 | 1447 | 1426 | 1398 |
| Za | 154 | 1383 | 1503 | 31265 | 8642 |