Sample: NE 10

ALS SAMPLE ID: PR2258582/   004
Measurement results PCDD/Fs:

Sample:			NE 10		
			Final extract [µl]:		60
Sample volume [ml]: 950			Injection volume [µl]:		4
			Acquisition date [d.m.y]:		14.06.2022
2,3,7,8-PCDD/Fs	Result [pg/l]	Limit of Detection [pg/l]	Limit of Quantification [pg/l]	[1]I-TEFs	I-TEQ Upperbound [pg/l]
2,3,7,8-TCDD	< 0.86	0.86	1.7	1	0.86
1,2,3,7,8-PeCDD	< 1.2	1.2	2.5	0.5	0.62
1,2,3,4,7,8-HxCDD	< 2.5	2.5	4.9	0.1	0.25
1,2,3,6,7,8-HxCDD	< 2.1	2.1	4.1	0.1	0.21
1,2,3,7,8,9-HxCDD	< 2.1	2.1	4.1	0.1	0.21
1,2,3,4,6,7,8-HpCDD	< 1.1	1.1	2.3	0.01	0.011
OCDD	< 2.4	2.4	4.9	0.001	0.0024
2,3,7,8-TCDF	< 0.66	0.66	1.3	0.1	0.066
1,2,3,7,8-PeCDF	< 2.6	2.6	5.2	0.05	0.13
2,3,4,7,8-PeCDF	< 3.1	3.1	6.3	0.5	1.6
1,2,3,4,7,8-HxCDF	< 1.8	1.8	3.5	0.1	0.18
1,2,3,6,7,8-HxCDF	< 2	2	4	0.1	0.2
1,2,3,7,8,9-HxCDF	< 2.1	2.1	4.2	0.1	0.21
2,3,4,6,7,8-HxCDF	< 2.1	2.1	4.1	0.1	0.21
1,2,3,4,6,7,8-HpCDF	< 1.5	1.5	2.9	0.01	0.015
1,2,3,4,7,8,9-HpCDF	< 1.5	1.5	2.9	0.01	0.015
OCDF	< 3.1	3.1	6.1	0.001	0.0031
I-TEQ from quantified 2,3,7,8-PCDD/Fs - "Lowerbound"					0
I-TEQ from 2,3,7,8-PCDD/Fs -„Mediumbound"					2.4
Maximum possible I-TEQ -"Upperbound"					**4.7**

PCDDs	Result [pg/l]	PCDFs	Result [pg/l]
Tetra-CDDs	< 19	Tetra-CDFs	< 25
Penta-CDDs	< 17	Penta-CDFs	< 73
Hexa-CDDs	< 25	Hexa-CDFs	< 28
Hepta-CDDs	< 2.3	Hepta-CDFs	< 5.9
OCDD	< 2.4	OCDF	< 3.1
Total PCDDs	< 66	Total PCDFs	< 130

[1]I-TEF according to NATO.

The limit of quantification is defined as double of the detection limit.

The limit of detection is defined as the amount of analyte producing a signal with S/N≥3.

The value of detection limit is mentioned as the actual value at the acquisition date.

Measurement uncertainty is expressed as a double (k=2) relative standard deviation (RSD%), and corresponds to 95% confidence interval.

Estimation of uncertainty of each 2,3,7,8-PCDD/F congener is 30% and total TEQ is 20%.

These values were ensured by analyses of certified reference material under conditions of internal reproducibility.

Results marked "<" are bellow limit of detection or quantification.

"Lowerbound" and "Upperbound" are levels defined in Regulation 2017/644 and EN 1948-4.

"Mediumbound" is levels defined in Regulation 2017/644.