

DIOKSIŅŲ, FURANŲ IR DIOKSIŅŲ TIPO PCB MATAVIMŲ REZULTATAI

Atliktų matavimų tikslas – nustatyti į aplinką išmetamų dioksinų, furanų ir dioksinų tipo PCB (polichlorinti bifenilai) koncentraciją ir patvirtinti atitiktį leistinoms išmetimų normoms.

Matavimų periodas

Nepertraukiamas dūmų mėginio ėmimas buvo vykdomas nuo 2024 m. gegužės mėn. 29 d. 10:29 val. iki 2024 m. birželio mėn. 28 d. 13:18 val.

Dioksinų, furanų ir dioksinų tipo PCB koncentracija

Išmetamų dioksinų ir furanų bei dioksinų tipo PCB koncentracijos analizės rezultatai pateikiami 1 paveiksle.

Rezultatų suvestinė

Galutiniai išmetamų dioksinų ir furanų bei dioksinų tipo PCB koncentracijos analizės rezultatai yra pateikiami ir palyginami su leistinomis ribinėmis normomis 1 lentelėje.

1 lentelė. Dioksinų, furanų ir dioksinų tipo PCB analizės rezultatų palyginimas su leistinomis ribinėmis normomis.

| Parametras | Vienetai | Ribinės vertės | Rezultatai |
|--------------------------------|----------------------|----------------|------------|
| PCDD/F ir dioksinų tipo PCB | ng / Nm ³ | 0,08 | 0,00137 |

Issue Date : 16-Jul-2024
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Work Order : PR2478850
Customer : Siemtecha



Analytical Results

Sub-Matrix: EMISSIONS

Client sample ID

2024_06_KKJ_DX1
00_SMT-202311_0
01

Laboratory sample ID
Client sampling date / time

PR2478850001

[02-Jul-2024]

| Parameter | Method | LOR | Unit | Result | MU | Result | MU | Result | MU |
|---|------------|-----|-------------------|-----------|---------|--------|-----|--------|-----|
| PCDDs and PCDFs (Dioxins and Furans) | | | | | | | | | |
| 2378-TCDD | A-DFHMS02 | - | ng/m ³ | <0.000038 | --- | --- | --- | --- | --- |
| 12378-PeCDD | A-DFHMS02 | - | ng/m ³ | <0.000055 | --- | --- | --- | --- | --- |
| 123478-HxCDD | A-DFHMS02 | - | ng/m ³ | <0.00012 | --- | --- | --- | --- | --- |
| 123678-HxCDD | A-DFHMS02 | - | ng/m ³ | 0.00025 | ± 30.0% | --- | --- | --- | --- |
| 123789-HxCDD | A-DFHMS02 | - | ng/m ³ | <0.00012 | --- | --- | --- | --- | --- |
| 1234678-HpCDD | A-DFHMS02 | - | ng/m ³ | 0.00083 | ± 30.0% | --- | --- | --- | --- |
| OCDD | A-DFHMS02 | - | ng/m ³ | 0.00055 | ± 30.0% | --- | --- | --- | --- |
| 2378-TCDF | A-DFHMS02 | - | ng/m ³ | 0.00049 | ± 30.0% | --- | --- | --- | --- |
| 12378-PeCDF | A-DFHMS02 | - | ng/m ³ | 0.00013 | ± 30.0% | --- | --- | --- | --- |
| 23478-PeCDF | A-DFHMS02 | - | ng/m ³ | 0.00035 | ± 30.0% | --- | --- | --- | --- |
| 123478-HxCDF | A-DFHMS02 | - | ng/m ³ | 0.00024 | ± 30.0% | --- | --- | --- | --- |
| 123678-HxCDF | A-DFHMS02 | - | ng/m ³ | 0.00041 | ± 30.0% | --- | --- | --- | --- |
| 123789-HxCDF | A-DFHMS02 | - | ng/m ³ | <0.000077 | --- | --- | --- | --- | --- |
| 234678-HxCDF | A-DFHMS02 | - | ng/m ³ | 0.00047 | ± 30.0% | --- | --- | --- | --- |
| 1234678-HpCDF | A-DFHMS02 | - | ng/m ³ | 0.00028 | ± 30.0% | --- | --- | --- | --- |
| 1234789-HpCDF | A-DFHMS02 | - | ng/m ³ | <0.000082 | --- | --- | --- | --- | --- |
| OCDF | A-DFHMS02 | - | ng/m ³ | <0.000098 | --- | --- | --- | --- | --- |
| TEQ-Lowerbound | A-DFHMS02 | - | ng/m ³ | 0.00031 | --- | --- | --- | --- | --- |
| TEQ-Upperbound | A-DFHMS02 | - | ng/m ³ | 0.00043 | --- | --- | --- | --- | --- |
| PCB dioxin-like HRMS | | | | | | | | | |
| PCB 77 | A-PCBHMS03 | - | ng/m ³ | <0.008 | --- | --- | --- | --- | --- |
| PCB 81 | A-PCBHMS03 | - | ng/m ³ | <0.0075 | --- | --- | --- | --- | --- |
| PCB 105 | A-PCBHMS03 | - | ng/m ³ | 0.0200 | ± 30.0% | --- | --- | --- | --- |
| PCB 114 | A-PCBHMS03 | - | ng/m ³ | 0.00740 | ± 30.0% | --- | --- | --- | --- |
| PCB 118 | A-PCBHMS03 | - | ng/m ³ | <0.023 | --- | --- | --- | --- | --- |
| PCB 123 | A-PCBHMS03 | - | ng/m ³ | 0.00240 | ± 30.0% | --- | --- | --- | --- |
| PCB 126 | A-PCBHMS03 | - | ng/m ³ | 0.00840 | ± 30.0% | --- | --- | --- | --- |
| PCB 156 | A-PCBHMS03 | - | ng/m ³ | 0.00390 | ± 30.0% | --- | --- | --- | --- |
| PCB 157 | A-PCBHMS03 | - | ng/m ³ | 0.00370 | ± 30.0% | --- | --- | --- | --- |
| PCB 167 | A-PCBHMS03 | - | ng/m ³ | 0.00410 | ± 30.0% | --- | --- | --- | --- |
| PCB 169 | A-PCBHMS03 | - | ng/m ³ | 0.00320 | ± 30.0% | --- | --- | --- | --- |
| PCB 170 | A-PCBHMS03 | - | ng/m ³ | <0.011 | --- | --- | --- | --- | --- |
| PCB 180 | A-PCBHMS03 | - | ng/m ³ | <0.018 | --- | --- | --- | --- | --- |
| PCB 189 | A-PCBHMS03 | - | ng/m ³ | <0.0024 | --- | --- | --- | --- | --- |
| TEQ (dl-PCB) - lower | A-PCBHMS03 | - | ng/m ³ | 0.00093 | --- | --- | --- | --- | --- |
| TEQ (dl-PCB) - upper | A-PCBHMS03 | - | ng/m ³ | 0.00094 | --- | --- | --- | --- | --- |
| PCB indicators HRMS | | | | | | | | | |
| PCB 28 | A-PCBHMS05 | - | ng/m ³ | <0.052 | --- | --- | --- | --- | --- |
| PCB 52 | A-PCBHMS05 | - | ng/m ³ | <0.011 | --- | --- | --- | --- | --- |
| PCB 101 | A-PCBHMS05 | - | ng/m ³ | <0.047 | --- | --- | --- | --- | --- |
| PCB 118 | A-PCBHMS05 | - | ng/m ³ | <0.023 | --- | --- | --- | --- | --- |
| PCB 138 | A-PCBHMS05 | - | ng/m ³ | <0.046 | --- | --- | --- | --- | --- |
| PCB 153 | A-PCBHMS05 | - | ng/m ³ | <0.043 | --- | --- | --- | --- | --- |
| PCB 180 | A-PCBHMS05 | - | ng/m ³ | <0.018 | --- | --- | --- | --- | --- |
| Total Polychlorinated biphenyls - 7 congeners - lower | A-PCBHMS05 | - | ng/m ³ | 0 | --- | --- | --- | --- | --- |
| Total Polychlorinated biphenyls - 7 congeners - upper | A-PCBHMS05 | - | ng/m ³ | 0.24 | --- | --- | --- | --- | --- |

1 pav. Dioksinų, furanų ir dioksinų tipo PCB analizės rezultatai