

# 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. kovo mėn. 29 d. 10:57 val. iki 2024 m. balandžio mėn. 29 d. 10:28 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 <sup>3</sup>	0,08	0,00195



**Analytical Results**

Sub-Matrix: EMISSIONS		Client sample ID		2024_04_KKJ_DX1	---	---	---	---	
		Laboratory sample ID		00_SMT-202311	---	---	---	---	
		Client sampling date / time		PR2450803001	---	---	---	---	
				[30-Apr-2024]	---	---	---	---	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
<b>PCDDs and PCDFs (Dioxins and Furans)</b>									
2378-TCDD	A-DFHM002	-	ng/m <sup>3</sup>	<0.00082	---	---	---	---	---
12378-PeCDD	A-DFHM002	-	ng/m <sup>3</sup>	0.00049	---	---	---	---	---
123478-HxCDD	A-DFHM002	-	ng/m <sup>3</sup>	0.00021	---	---	---	---	---
123678-HxCDD	A-DFHM002	-	ng/m <sup>3</sup>	0.0006	---	---	---	---	---
123789-HxCDD	A-DFHM002	-	ng/m <sup>3</sup>	0.00029	---	---	---	---	---
1234678-HpCDD	A-DFHM002	-	ng/m <sup>3</sup>	0.001	---	---	---	---	---
OCDD	A-DFHM002	-	ng/m <sup>3</sup>	0.00042	---	---	---	---	---
2378-TCDF	A-DFHM002	-	ng/m <sup>3</sup>	0.0012	---	---	---	---	---
12378-PeCDF	A-DFHM002	-	ng/m <sup>3</sup>	0.0011	---	---	---	---	---
23478-PeCDF	A-DFHM002	-	ng/m <sup>3</sup>	0.0014	---	---	---	---	---
123478-HxCDF	A-DFHM002	-	ng/m <sup>3</sup>	0.0007	---	---	---	---	---
123678-HxCDF	A-DFHM002	-	ng/m <sup>3</sup>	0.00088	---	---	---	---	---
123789-HxCDF	A-DFHM002	-	ng/m <sup>3</sup>	<0.000069	---	---	---	---	---
234678-HxCDF	A-DFHM002	-	ng/m <sup>3</sup>	0.0011	---	---	---	---	---
1234678-HpCDF	A-DFHM002	-	ng/m <sup>3</sup>	0.00068	---	---	---	---	---
1234789-HpCDF	A-DFHM002	-	ng/m <sup>3</sup>	<0.000077	---	---	---	---	---
OCDF	A-DFHM002	-	ng/m <sup>3</sup>	<0.00017	---	---	---	---	---
TEQ-Lowerbound	A-DFHM002	-	ng/m <sup>3</sup>	0.0016	---	---	---	---	---
TEQ-Upperbound	A-DFHM002	-	ng/m <sup>3</sup>	0.0016	---	---	---	---	---
<b>PCB dioxin-like HRMS</b>									
PCB 77	A-PCBHM003	-	ng/m <sup>3</sup>	0.00640	± 30.0%	---	---	---	---
PCB 81	A-PCBHM003	-	ng/m <sup>3</sup>	0.00290	± 30.0%	---	---	---	---
PCB 106	A-PCBHM003	-	ng/m <sup>3</sup>	0.0600	± 30.0%	---	---	---	---
PCB 114	A-PCBHM003	-	ng/m <sup>3</sup>	0.00460	± 30.0%	---	---	---	---
PCB 118	A-PCBHM003	-	ng/m <sup>3</sup>	0.120	± 30.0%	---	---	---	---
PCB 123	A-PCBHM003	-	ng/m <sup>3</sup>	0.00210	± 30.0%	---	---	---	---
PCB 126	A-PCBHM003	-	ng/m <sup>3</sup>	0.00290	± 30.0%	---	---	---	---
PCB 166	A-PCBHM003	-	ng/m <sup>3</sup>	0.0120	± 30.0%	---	---	---	---
PCB 167	A-PCBHM003	-	ng/m <sup>3</sup>	0.00320	± 30.0%	---	---	---	---
PCB 167	A-PCBHM003	-	ng/m <sup>3</sup>	0.0180	± 30.0%	---	---	---	---
PCB 169	A-PCBHM003	-	ng/m <sup>3</sup>	0.00180	± 30.0%	---	---	---	---
PCB 170	A-PCBHM003	-	ng/m <sup>3</sup>	0.0160	± 30.0%	---	---	---	---
PCB 180	A-PCBHM003	-	ng/m <sup>3</sup>	0.0240	± 30.0%	---	---	---	---
PCB 189	A-PCBHM003	-	ng/m <sup>3</sup>	<0.0015	---	---	---	---	---
TEQ (dl-PCB) - lower	A-PCBHM003	-	ng/m <sup>3</sup>	0.00036	---	---	---	---	---
TEQ (dl-PCB) - upper	A-PCBHM003	-	ng/m <sup>3</sup>	0.00036	---	---	---	---	---
<b>PCB Indicators HRMS</b>									
PCB 28	A-PCBHM005	-	ng/m <sup>3</sup>	<0.43	---	---	---	---	---
PCB 52	A-PCBHM005	-	ng/m <sup>3</sup>	0.0970	± 30.0%	---	---	---	---
PCB 101	A-PCBHM005	-	ng/m <sup>3</sup>	0.120	± 30.0%	---	---	---	---
PCB 118	A-PCBHM005	-	ng/m <sup>3</sup>	0.120	± 30.0%	---	---	---	---
PCB 138	A-PCBHM005	-	ng/m <sup>3</sup>	0.100	± 30.0%	---	---	---	---
PCB 163	A-PCBHM005	-	ng/m <sup>3</sup>	0.0880	± 30.0%	---	---	---	---
PCB 180	A-PCBHM005	-	ng/m <sup>3</sup>	0.0240	± 30.0%	---	---	---	---
Total Polychlorinated biphenyls - 7 congeners - lower	A-PCBHM005	-	ng/m <sup>3</sup>	0.64	---	---	---	---	---
Total Polychlorinated biphenyls - 7 congeners - upper	A-PCBHM005	-	ng/m <sup>3</sup>	0.97	---	---	---	---	---

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