

Dioxins in Pine needles and evergreen tree leaves

Region Ivry-sur-Seine and Reference locations

Paris Oct. 2024 – Febr. 2025

Vegetation locations (Pine needles and evergreen tree leaves), Ivry-sur-Seine, Paris – Oct. 2024 / Febr. 2025

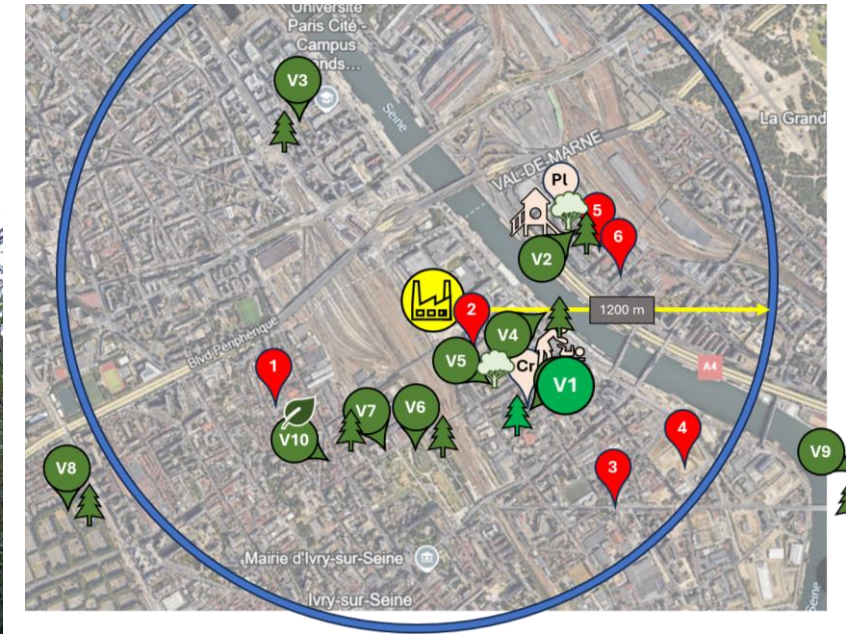
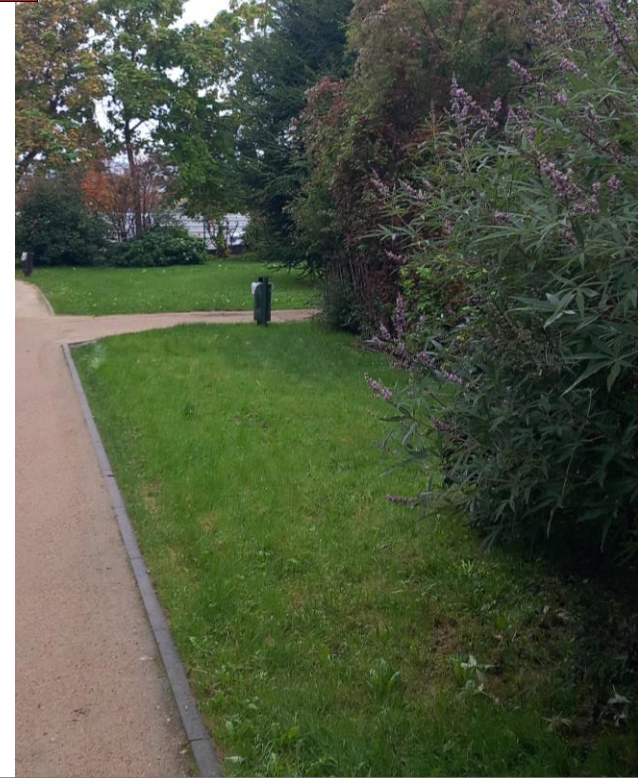
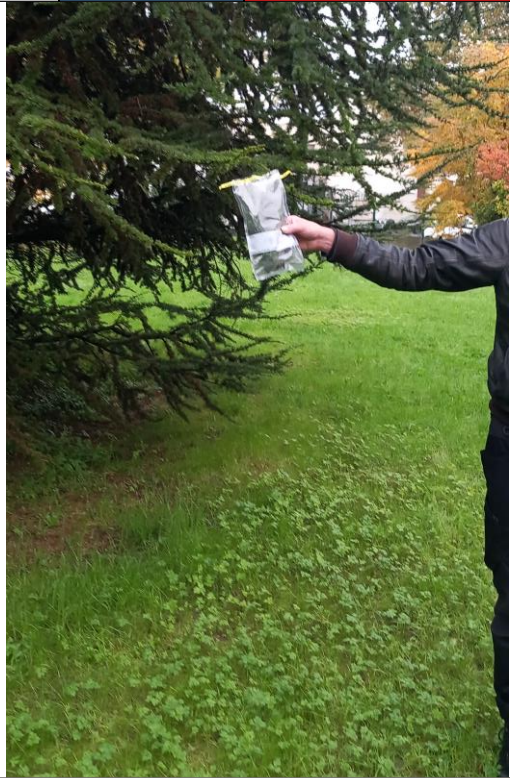
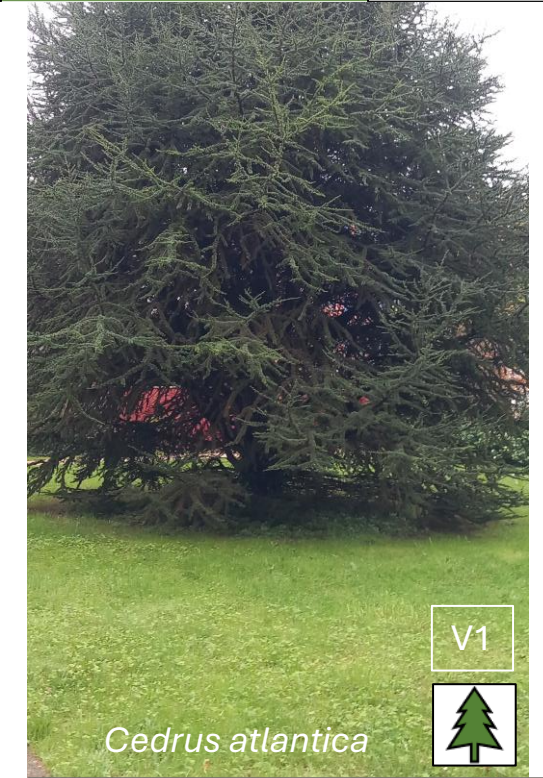


	Date	Total	Vegetation Samples		Location	Wind	Distance (m)	Paris, Oct. 2024
	Sample	BioMat.	Pine needles / leaves		Public Bvd/Garden/ School/Crèche	direction	IP XIII	TW-REF-NR
1	18-10-2024	V1	<i>Cedrus atlantica</i>		Jardin Elisabeth	South-East	487	24TWPA-JE-PNCeA-VEG-1
2	18-10-2024	V2a	<i>Cupressus arizonica</i>		Jardin du Cardinal de Richelieu	East	724	24TWPA-CdR-PNCuA-VEG-2a
3		V2b	<i>Cedrus atlantica</i>		Jardin du Cardinal de Richelieu			24TWPA-CdR-PNCeA-VEG-2b
4	18-10-2024	V3	<i>Pinus silvestris</i>		Jadrin Abbé Pierre	North	930	24TWPA-AP-PNPS-VEG-3
5	19-10-2024	V4a	<i>Pinus silvestris</i>		Quai Jean Compagnon	East	525	24TWPA-QJ-PNPS-VEG-4a
6		V4b	<i>Pinus silvestris</i>		Quai Jean Compagnon			24TWPA-QJ-PNPS-VEG-4b
7	19-10-2024	V5	<i>Olea europaea</i>		Allée Chanteclair	South	427	24TWPA-AC-LFOE-VEG-5
8	19-10-2024	V6	<i>Pinus sylvestris</i>		Parc des Cormailles	South-West	603	24TWPA-PC-PNPS-VEG-6
9	19-10-2024	V7	<i>Cedrus atlantica</i>		DH Garden	South-West	700	24TWPA-DH-PNCeA-VEG-7
10	19-10-2024	V8	<i>Cedrus atlantica</i>		Cimentiere	West	1700	24TWPA-CE-PNCeA-VEG-8
11	19-10-2024	V9	<i>Cedrus atlantica</i>		Marne-Halfway_Traverse/Graffiti	East	3000	24TWPA-MA-PNCeA-VEG-9
12	19-10-2024	V10	<i>Fig - Ficus carica</i>		K Garden	West	850	24TWPA-KY-LFFI-VEG-10
13	Febr. 2025	V11	<i>Pinus Wallichiana</i>		Jardin des Plantes: Reference	North-West	3000	25TWPA-BJdP-PN-PPW-3A
14	Febr. 2025	V12	<i>Pinus silvestris</i>		Bois de Vincennes: Reference	East	2700	25TWPA-BV-PS-PN-1B





Paris, Oct. 2024	DR CALUX: <i>pg TEQ / g</i> (wet weight)		
TW-REF-NR	PCDD/F	dl-PCB	PCDD/F/dl-PCB
24TWPA-JE-PNCeA-VEG-1	0,075	0,650	0,725



Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/Crèche	direction	Meter	TW-REF-NR
18-10-2024	V1	Cedrus atlantica		Jardin Elisabeth	South-East	487	24TWPA-JE-PNCeA-VEG-1

V2

Paris, Oct. 2024	DR CALUX: <i>pg TEQ / g</i> (wet weight)		
TW-REF-NR	PCDD/F	dl-PCB	PCDD/F/dl-PCB
24TWPA-CdR-PNCuA-VEG-2a	0,880	0,360	1,240



V2a



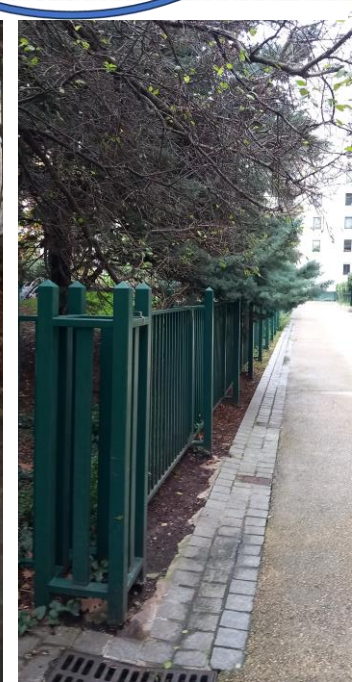
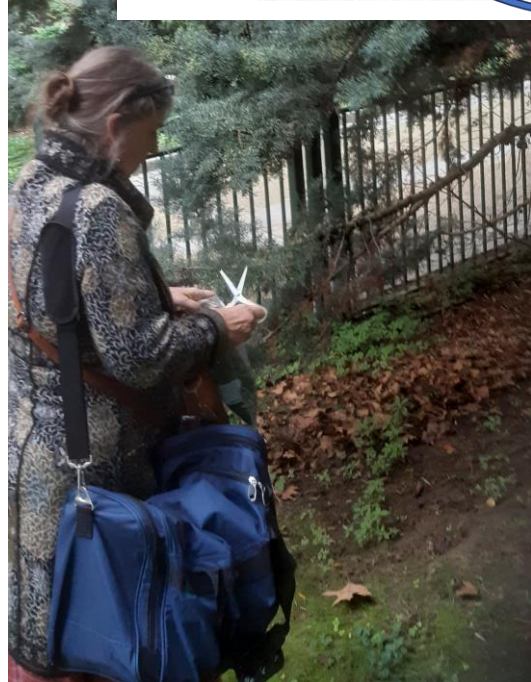
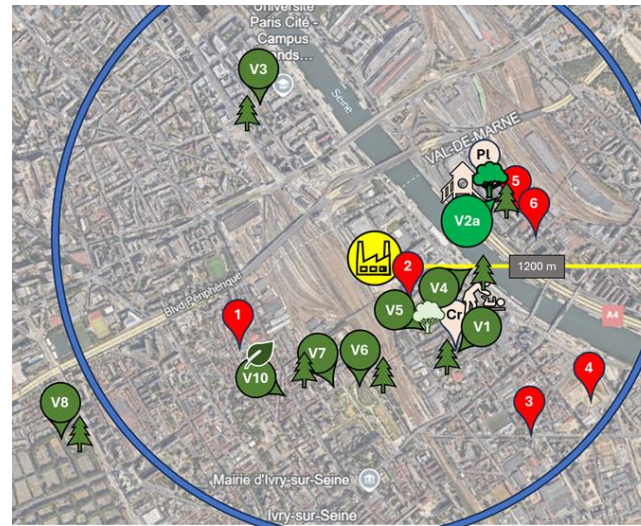
Cupressus arizonica



V2a



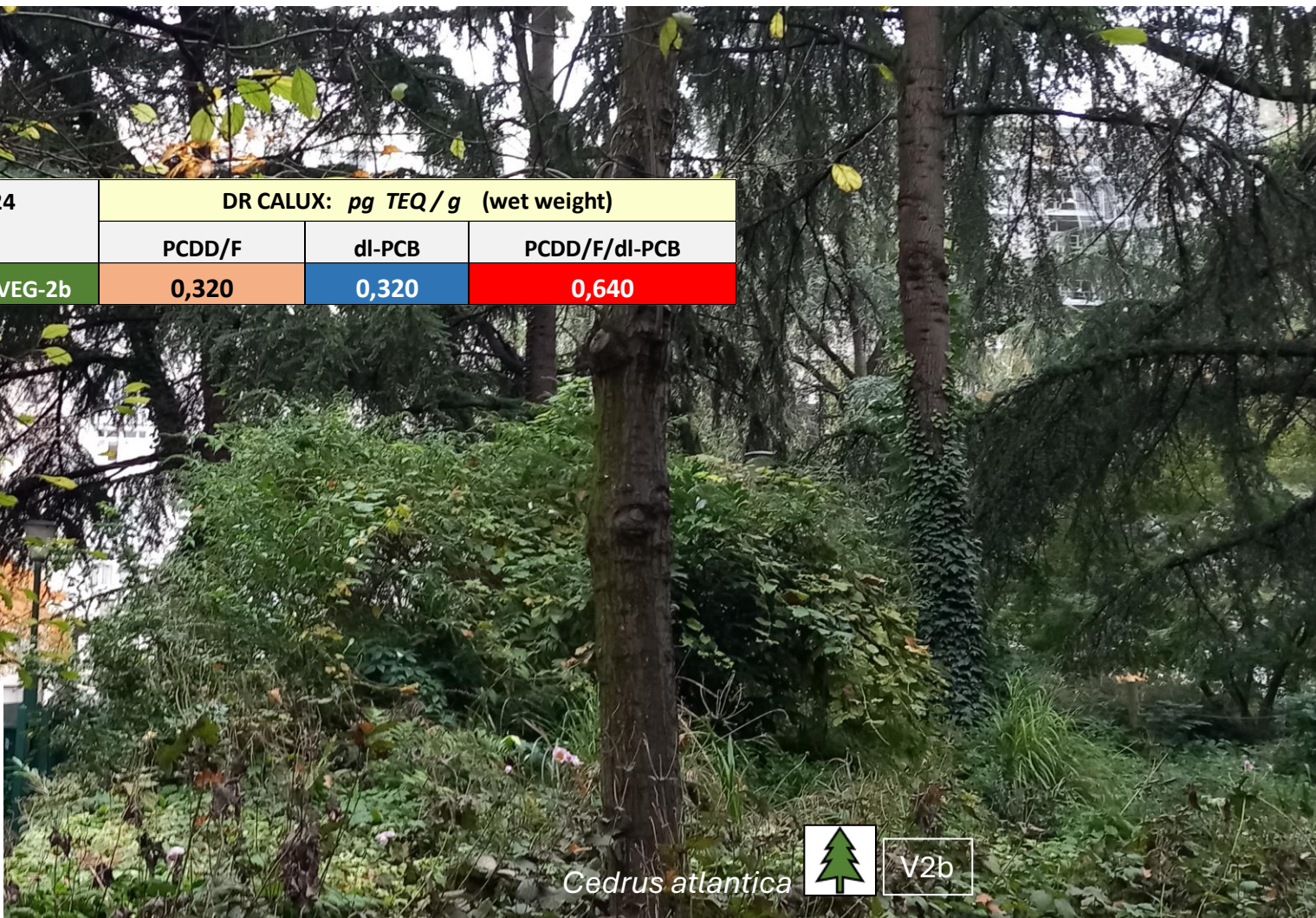
Cupressus arizonica



Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/ Crèche	direction	Meter	TW-REF-NR
18-10-2024	V2a	<i>Cupressus arizonica</i>		Jardin du Cardinal de Richelieu	East	724	24TWPA-CdR-PNCuA-VEG-2a
	V2b	<i>Cedrus atlantica</i>		Jardin du Cardinal de Richelieu			24TWPA-CdR-PNCeA-VEG-2b

V2

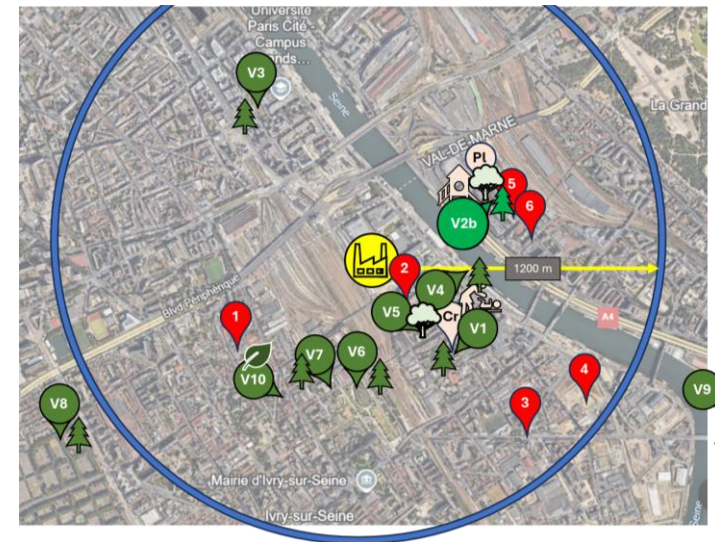
Paris, Oct. 2024	DR CALUX: <i>pg TEQ / g</i> (wet weight)		
TW-REF-NR	PCDD/F	dl-PCB	PCDD/F/dl-PCB
24TWPA-CdR-PNCeA-VEG-2b	0,320	0,320	0,640



Cedrus atlantica



V2b



V2b

Cedrus atlantica

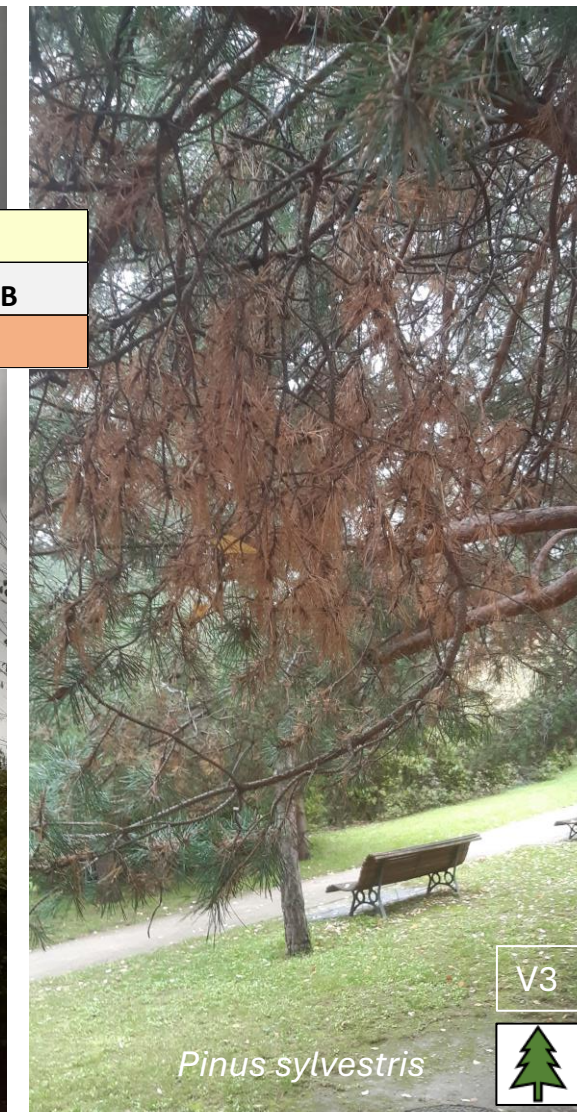
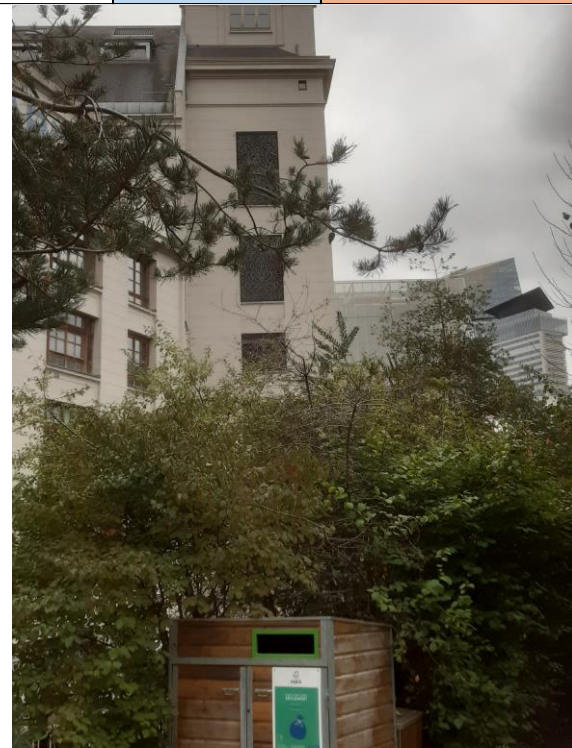


Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/Crèche	direction	Meter	TW-REF-NR
18-10-2024	V2a	<i>Cupressus arizonica</i>		Jardin du Cardinal de Richelieu	East	724	24TWPA-CdR-PNCuA-VEG-2a
	V2b	<i>Cedrus atlantica</i>		Jardin du Cardinal de Richelieu			24TWPA-CdR-PNCeA-VEG-2b

Vegetation Loc. V3 – Jardin Abbé Pierre sampling, Ivry-Paris – Oct. 2024



Paris, Oct. 2024	DR CALUX: <i>pg TEQ / g</i> (wet weight)		
TW-REF-NR	PCDD/F	dl-PCB	PCDD/F/dl-PCB
24TWPA-AP-PNPS-VEG-3	0,110	0,250	0,360



Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/Crèche	direction	Meter	TW-REF-NR
18-10-2024	V3	<i>Pinus sylvestris</i>		Jardin Abbé Pierre	North-West	1060	24TWPA-AP-PNPS-VEG-3

V4

Paris, Oct. 2024	DR CALUX: <i>pg TEQ / g</i> (wet weight)		
TW-REF-NR	PCDD/F	dI-PCB	PCDD/F/dI-PCB
24TWPA-QJ-PNPS-VEG-4a	0,077	0,280	0,357
24TWPA-QJ-PNPS-VEG-4b			

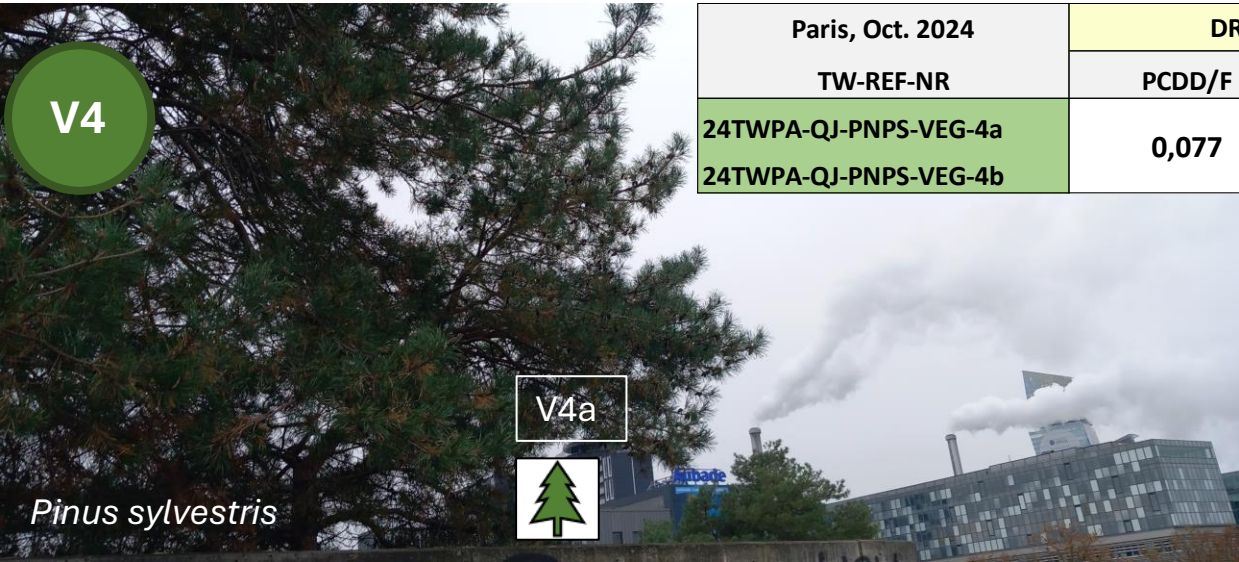
Pinus sylvestris

V4a

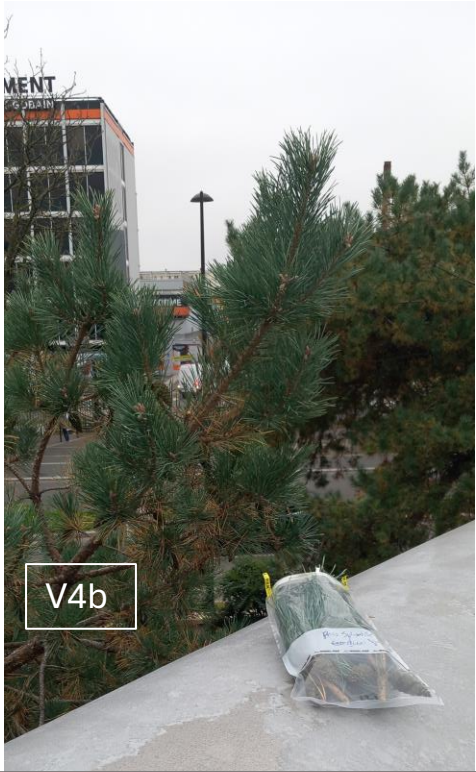


Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/Crèche	direction	Meter	TW-REF-NR
19-10-2024	V4a	<i>Pinus sylvestris</i>		Quai Jean Compagnon	East	525	24TWPA-QJ-PNPS-VEG-4a
	V4b	<i>Pinus sylvestris</i>		Quai Jean Compagnon			24TWPA-QJ-PNPS-VEG-4b

Vegetation Loc. V4 – Quai Jean Compagnon sampling, Ivry-Paris – Oct. 2024



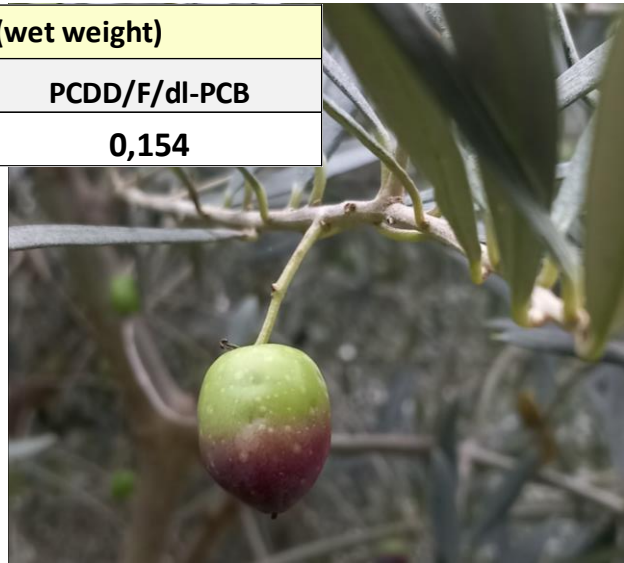
Paris, Oct. 2024	DR CALUX: pg TEQ / g (wet weight)		
TW-REF-NR	PCDD/F	dl-PCB	PCDD/F/dl-PCB
24TWPA-QJ-PNPS-VEG-4a	0,077	0,280	0,357
24TWPA-QJ-PNPS-VEG-4b			



Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/ Crèche	direction	Meter	TW-REF-NR
19-10-2024	V4a	<i>Pinus sylvestris</i>		Quai Jean Compagnon	East	525	24TWPA-QJ-PNPS-VEG-4a
	V4b	<i>Pinus sylvestris</i>		Quai Jean Compagnon			24TWPA-QJ-PNPS-VEG-4b



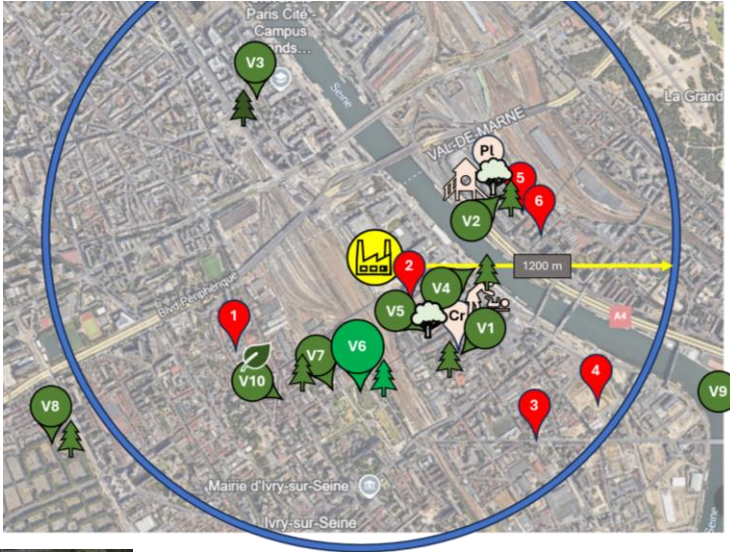
Paris, Oct. 2024 TW-REF-NR 24TWPA-AC-LFOE-VEG-5	DR CALUX: <i>pg TEQ / g</i> (wet weight)		
	PCDD/F	dI-PCB	PCDD/F/dI-PCB
	0,094	0,060	0,154



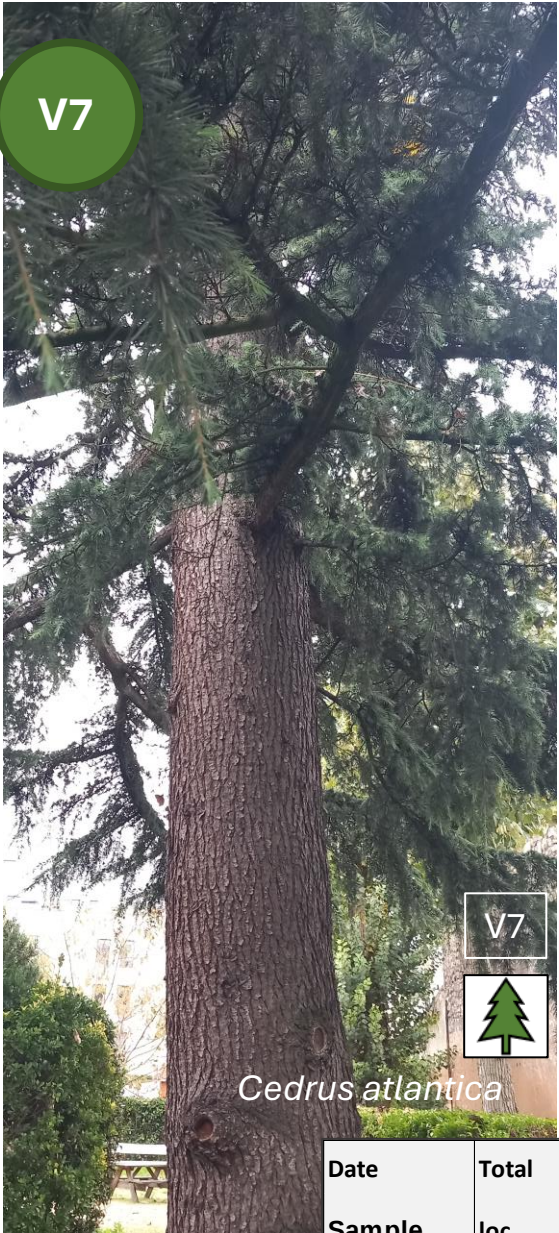
Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/Crèche	direction	Meter	TW-REF-NR
19-10-2024	V5	<i>Olea europaea</i>		Allée Chanteclair	South	427	24TWPA-AC-LFOE-VEG-5



Paris, Oct. 2024	DR CALUX: <i>pg TEQ / g</i> (wet weight)		
TW-REF-NR	PCDD/F	dl-PCB	PCDD/F/dl-PCB
24TWPA-PC-PNPS-VEG-6	0,074	0,220	0,294



Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/Crèche	direction	Meter	TW-REF-NR
19-10-2024	V6	<i>Pinus sylvestris</i>		Parc des Cormailles	South-West	603	24TWPA-PC-PNPS-VEG-6



Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/Crèche	direction	Meter	TW-REF-NR
19-10-2024	V7	Cedrus atlantica		DH Garden	South-West	700	24TWPA-DH-PNCeA-VEG-7

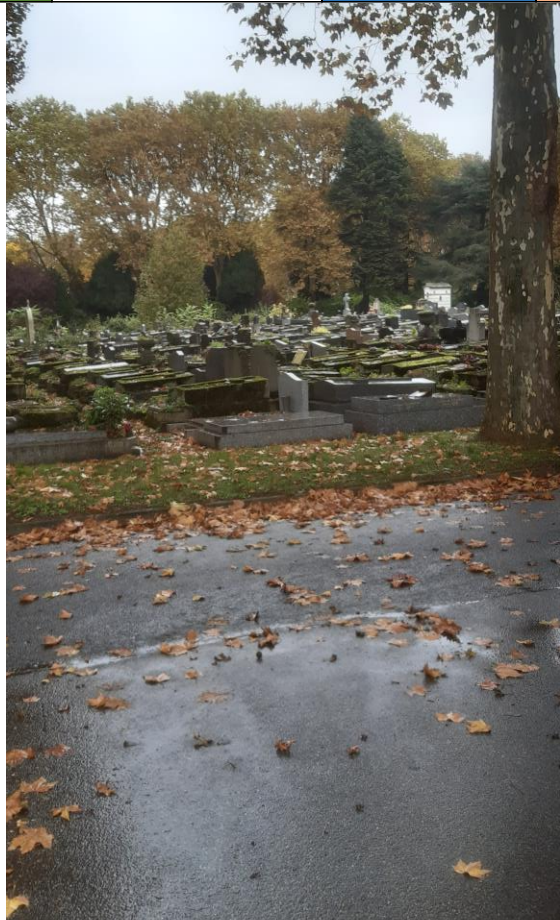
V8

Paris, Oct. 2024	DR CALUX: <i>pg TEQ / g</i> (wet weight)		
	PCDD/F	dl-PCB	PCDD/F/dl-PCB
	0,110	0,390	0,500



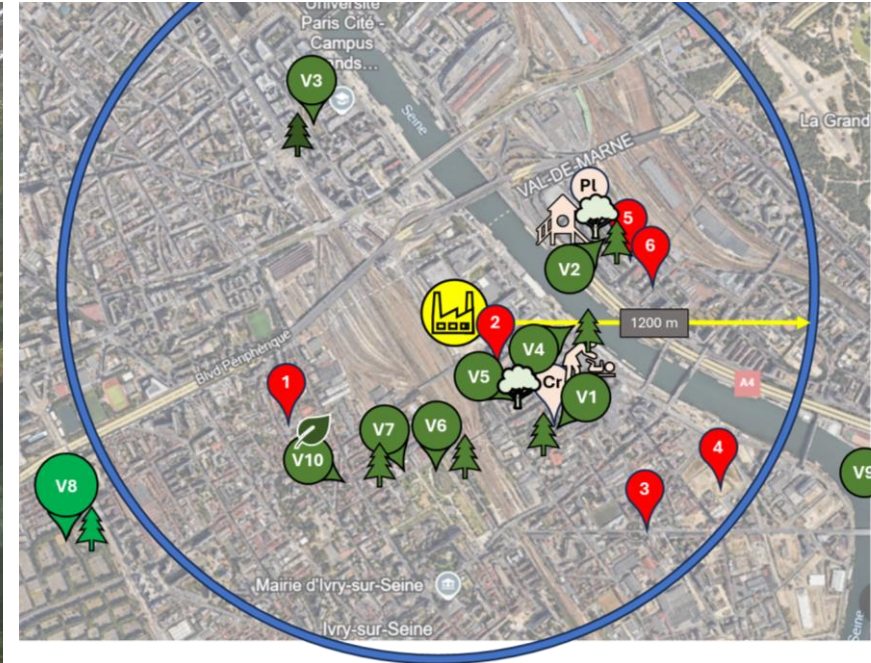
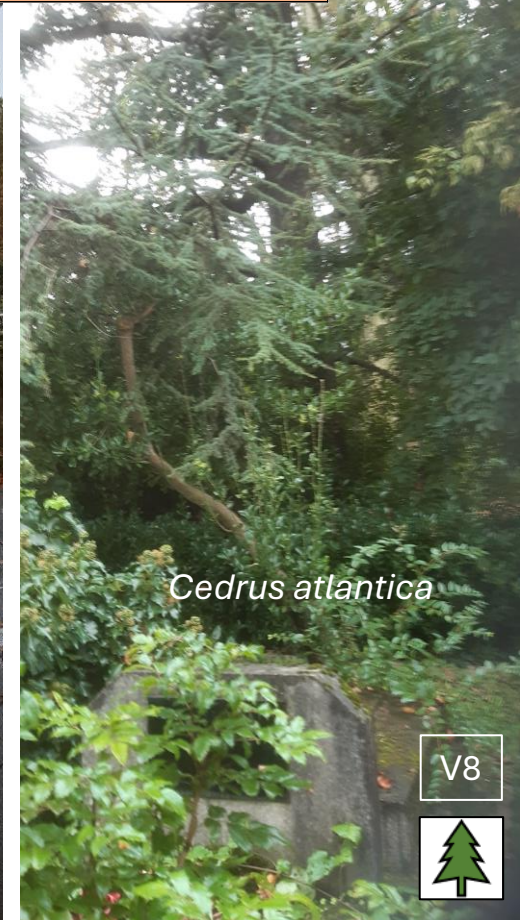
Cedrus atlantica

V8



Cedrus atlantica

V8



Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/Crèche	direction	Meter	TW-REF-NR
19-10-2024	V8	Cedrus atlantica		Cimentiere	West	1700	24TWPA-CE-PNCeA-VEG-8

Vegetation Loc. V9 – Marne sampling, Ivry-Paris – Oct. 2024

V9

Paris, Oct. 2024

DR CALUX: pg TEQ / g (wet weight)

TW-REF-NR

PCDD/F

dl-PCB

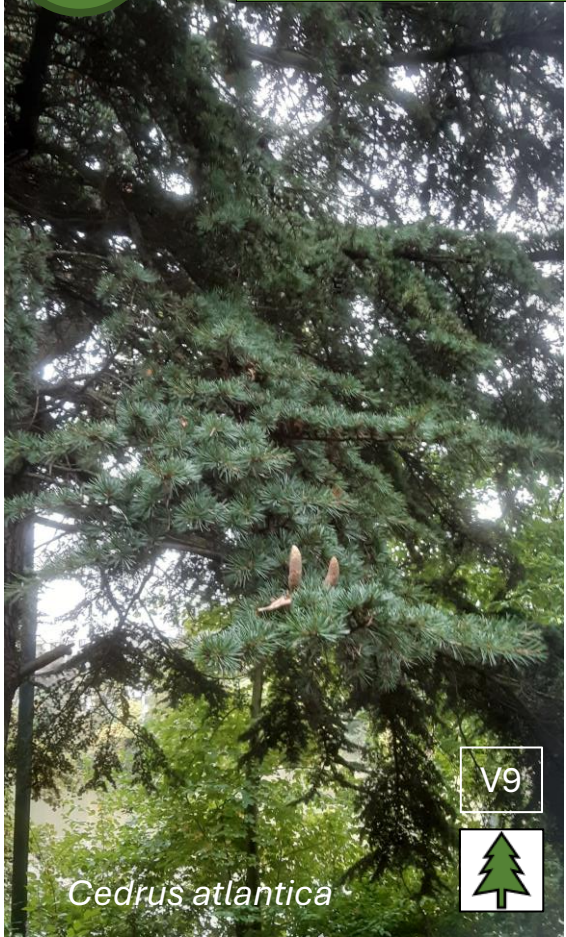
PCDD/F/dl-PCB

24TWPA-MA-PNCeA-VEG-9

0,230

0,240

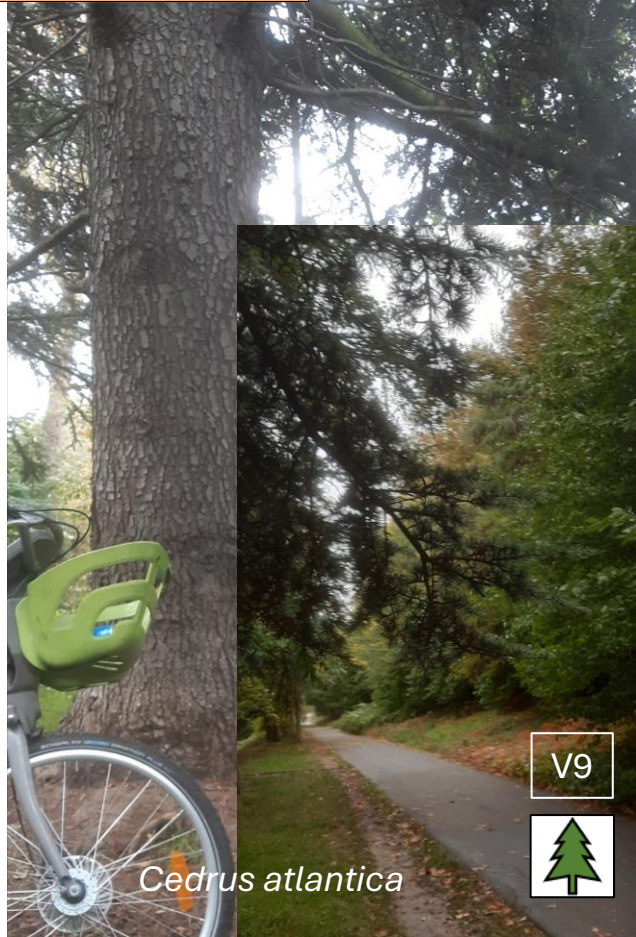
0,470



V9



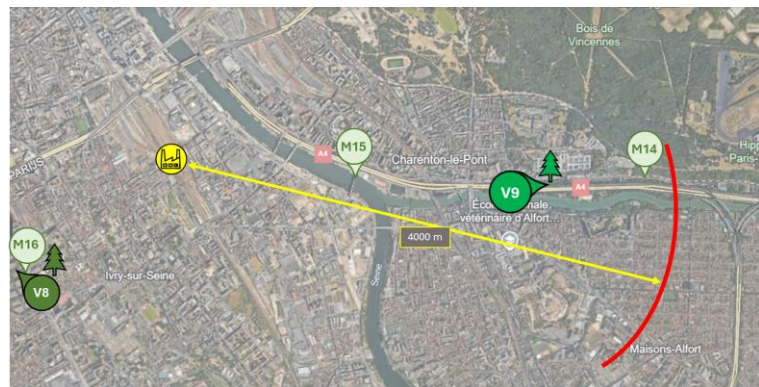
Cedrus atlantica



V9



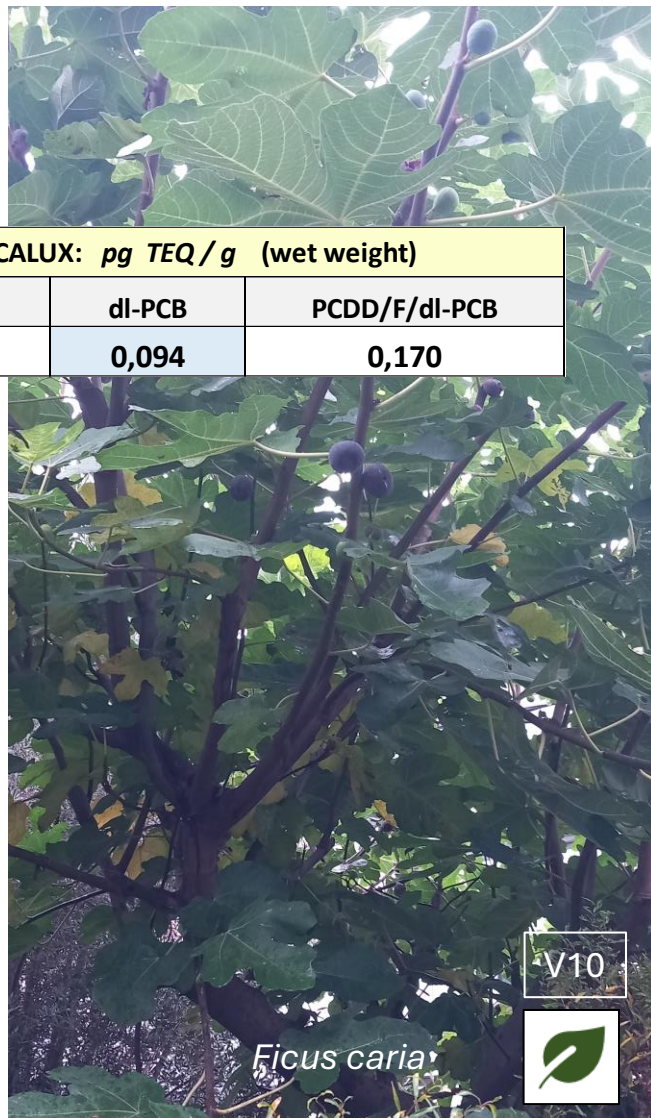
Cedrus atlantica



Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/Crèche	direction	Meter	TW-REF-NR
19-10-2024	V9	<i>Cedrus atlantica</i>		Marne-Halfway_Traverse/Graffiti	East	3000	24TWPA-MA-PNCeA-VEG-9

V10

Paris, Oct. 2024	DR CALUX: <i>pg TEQ / g</i> (wet weight)		
TW-REF-NR	PCDD/F	dl-PCB	PCDD/F/dl-PCB
24TWPA-KY-LFFI-VEG-10	0,076	0,094	0,170



Date	Total	Samples		Location	Wind	Distance	October Paris, 2024
Sample	loc.	Vegetation: Pine needles/leaves		Public Bvd/Garden/ School/Crèche	direction	Meter	TW-REF-NR
19-10-2024	V10	Fig - <i>Ficus carica</i>		K Garden	West	850	24TWPA-KY-LFFI-VEG-10