

Monitoraggio Inquinanti Organici Persistenti (POPs)

Il **Regolamento (UE) n. 2019/1021 del Parlamento Europeo** abroga e sostituisce il Regolamento (CE) n. 850/2004 relativo agli inquinanti organici persistenti (POPs) soggetti alla Convenzione di Stoccolma, il cui uso è vietato. Questo nuovo aggiornamento amplia l'elenco delle sostanze aggiungendo il **pentaclorofenolo e i suoi sali ed esteri** e il **Decabromodifenil Etere (BDE 209)** e propone la necessità di una tempestiva revisione dei limiti per i PBDE. L'elenco di composti dell'Allegato IV e i relativi limiti devono essere considerati per la **classificazione e la gestione di un rifiuto pericoloso** in conformità alla Direttiva 2008/98/CE e alla Decisione 2014/955/UE. **Gli obblighi introdotti da questo regolamento sono entrati in vigore dal 15 Luglio 2019.**

Pesticidi

endosulfan I	@ 100 µg/ml in metanolo	PP-200-1	1 x 1 ml
endosulfan II	@ 100 µg/ml in metanolo	PP-210-1	1 x 1 ml
hexachlorobutadiene	@ 100 µg/ml in metanolo	CH-160-1	1 x 1 ml
2,4'-DDT	@ 100 µg/ml in metanolo	PST-271M100A01	1 x 1 ml
4,4'-DDT	@ 100 µg/ml in metanolo	PP-180-1	1 x 1 ml
alpha-chlordane	@ 100 µg/ml in metanolo	PP-470-1	1 x 1 ml
gamma-chlordane	@ 100 µg/ml in metanolo	PP-480-1	1 x 1 ml
alpha-HCH	@ 100 µg/ml in metanolo	PP-110-1	1 x 1 ml
beta-HCH	@ 100 µg/ml in metanolo	PP-120-1	1 x 1 ml
delta-HCH	@ 100 µg/ml in metanolo	PP-130-1	1 x 1 ml
gamma-HCH (lindane)	@ 100 µg/ml in metanolo	PP-140-1	1 x 1 ml
dieldrin	@ 100 µg/ml in metanolo	PP-190-1	1 x 1 ml
endrin	@ 100 µg/ml in metanolo	PP-230-1	1 x 1 ml
heptachlor	@ 100 µg/ml in metanolo	PP-250-1	1 x 1 ml
hexachlorobenzene	@ 100 µg/ml in metanolo	CH-151-1	1 x 1 ml
chlordecone (kepone)	@ 100 µg/ml in toluene	PP-440A-1	1 x 1 ml
aldrin	@ 100 µg/ml in metanolo	PP-100-1	1 x 1 ml
pentachlorobenzene	@ 100 µg/ml in MeCl	CH-210-1	1 x 1 ml
mirex	@ 100 µg/ml in metanolo	PST-720M100A01	1 x 1 ml
toxaphene	@ 100 µg/ml in metanolo	PP-270-1	1 x 1 ml

Alcani C10-C13

Chloroparaffin C10-C13 51,5% Cl	
@ 100 µg/ml in cicloesano	
X23105100CY	1x10 ml
Chloroparaffin C10-C13 55,5% Cl	
@ 100 µg/ml in cicloesano	
X23105500CY	1x10 ml
Chloroparaffin C10-C13 63% Cl	
@ 100 µg/ml in cicloesano	
X23106300CY	1x10 ml

Pentaclorofenolo

• Pentachlorophenol Solution

Pentachlorophenol (CAS# 87-86-5)

@ 100 µg/ml in metanolo

PH-180-1 1 x 1 ml

• Pentachlorophenol Mix (Salts & Esters)

Pentachlorophenol (CAS# 87-86-5)

Pentachlorophenol-acetate (cas# 1441-02-7)

Pentachlorophenylpyroglytamatate (cas# 28990-85-4)

Pentachlorophenylidodecanoate (cas# 3772-94-9)

@ 100 µg/ml in acetone

LM24-CUS-10124 1 x 1 ml

PFOS-PFOA

• PFOS perfluorooctane sulfonic acid (CAS# 1763-23-1)

N-0998 100 mg

• PFOA perfluorooctanoic acid (cas# 335-67-1)

N-1588 100 mg

• IRSA-CNR & EPA 537 Method Calibration Standard, 14 analytes

PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFNA, PFDA, PFUnDA, PFDoDA, PFBS, PFHxS, PFOS, PFTTrDA, PFTA

@ 200 µg/ml in acetonitrile

ITA-70 1x1 ml

Esabromobifenile

2,2',4,4',6,6'-Hexabromobiphenyl (CAS# 59261-08-4)

@ 100 µg/ml in esano

RBF-093S 1 x 2 ml

2,2',4,4',5,5'-Hexabromobiphenyl (CAS# 59080-40-9)

@ 100 µg/ml in esano

RBF-094S 1 x 2 ml

hexabromobiphenyl (cas# 59536-65-1)

RBF-075 10 mg

Esabromociclododecano

• Singole Soluzioni

hexabromociclododecane (tech) (cas# 25637-99-4)

1,2,5,6,9,10-hexabromociclododecane (tech) (cas# 3194-55-6)

alpha-hexabromociclododecane (cas# 134237-50-6)

beta-hexabromociclododecane (cas# 134237-51-7)

gamma-hexabromociclododecane (cas# 134237-52-8)

ciascuna @ 100 µg/ml in metanolo o acetonitrile

PCB

• WHO PCB Mixture, 12 analytes (Dioxin Like)

PCB Congeners BZ#

77, 81, 105, 114, 118, 123, 126, 156, 157, 167, 169, 189

@ 10 µg/ml in isottano

RPCM-220-1 1 x 1 ml

• WHO/ISS PCB Mixture, 32 analytes

PCB Congeners BZ#

18, 28, 31, 44, 52, 77, 81, 95, 99, 101, 105, 110, 114, 118, 123, 126, 128, 138, 146, 149, 151, 153, 156, 157, 167, 169, 170, 177, 180, 183, 187, 189

@ 10 µg/ml in isottano

RPCM-240-1 1 x 1 ml

Polibromodifenileteri

• PDBE Mixture

2,2',4,4'-TETRAbromodiphenyl ether

2,2',4,4',6-PENTA bromodiphenyl ether

2,2',4,4',5,5'-HEXA bromodiphenyl ether

2,3,3',4,4',5,6-HEPTA bromodiphenyl ether

@ 10 µg/ml in isottano

ITA-40 1x1 ml

• Decabromobiphenyl Ether (BDE 209)

Decabromodiphenyl ether (CAS# 1163-19-5)

C15898209 100 mg

Decabromodiphenyl ether (CAS# 1163-19-5)

@ 100 µg/ml in acetone o isottano

XA15898209AC 1 x 1 ml

LM24-OP-4000814 1 x 1 ml

DIOSINE

• Chlorinated Dibenzofurans Mixture

2,3,7,8-tetrachlorodibenzofuran
1,2,3,7,8-pentachlorodibenzofuran
1,2,3,4,7,8-hexachlorodibenzofuran
1,2,3,4,6,7,8-heptachlorodibenzofuran
octachlorodibenzofuran

@ 10 µg/ml in toluene

RPE-045M 1x1 ml

• Chlorinated Dibenzo-p-dioxin Mixture

1,2,3,4-tetrachlorodibenzo-p-dioxin
1,2,3,4,7-pentachlorodibenzo-p-dioxin
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
1,2,3,4,6,7,8-HECDD

@ 50 µg/ml in toluene

RPE-064M 1x1 ml

• Chlorinated Dibenzo-p-dioxin Mixture

2,3,7,8-tetrachlorodibenzo-p-dioxin
1,2,3,7,8-pentachlorodibenzo-p-dioxin
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
1,2,3,4,6,7,8-HECDD
octachlorodibenzo-p-dioxin

@ 10 µg/ml in toluene

RPE-065M 1x1 ml

Policloronaftaleni

• PCN Mixture

2-chloronaphthalene
1,2-DICHLORONAPHTHALENE
1,2,3-TRICHLORONAPHTHALENE
1,2,3,4-TETRA chloronaphthalene
1,2,3,5,7-PENTA chloronaphthalene
1,2,3,4,5,6-HEXA chloronaphthalene
1,2,3,4,5,6,7-HEPTA chloronaphthalene
OCTA chloronaphthalene

@ 10 µg/ml in n-nonano

ITA-41 1 x 1 ml