SHAEC26027481008 2026) 09 * 11 ' + 1 , - . 27 ,

(PFAS)

1

TMBS

SGS SHP26-034211

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725	(PFAS)	

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(PFAS)

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		SGS ID	
SN1	A2	SHA26-0274810-0001.C002	

725 (PFAS)

EN 17681-1:2025 LC-MS LC-MS/MS GC-MS GC-MS/MS

PFAS

	CAS No.	A2 (mg/kg)	MDL (mg/kg)
PFAS	-	ND	-

(1) PFAS MDL PFAS PFAS
(2) MDL= ND = (MDL)
(3) PFAS PFAS PFAS

(4) ^= /
(5)
ILAC-G8:09/2019 *w*=0

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(PFAS)

(1) PFAS 1 2 3 4 5 6 7 8 9 :

No.			CAS No.	MDL (mg/kg)
1	PFOS, 1 2 3 & 6 7 8	? @ A B C D (PFOS)	1763-23-1	0.010
2		? @ A E C D F (PFOS-K)	2795-39-3	--
3		? @ A E C D G (PFOS-Li)	29457-72-5	--
4		? @ A E C D H (PFOS-Na)	4021-47-0	--
5		? @ A E C D I (PFOS-NH_4)	29081-56-9	--
6		? @ A E C D J K L I (PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8	--
7		? @ A E C D M K E I (PFOS-$N(C_2H_5)_4$)	56773-42-3	--
8		? @ A E C D J N J O E I (PFOS-$N(C_{10}H_{21})_2(CH_3)_2$)	251099-16-8	--
9		? @ A E C D M P E I (PFOS-$N(C_4H_9)_4$)	111873-33-7	--
10		? @ A E C Q @ (PFOS-F)	307-35-7	--
11		R [S T @ A B C D] U (PFOS-Mg)	91036-71-4	--
12		? @ A B C D V W	71463-74-6	--
13		? @ A B C D 3	45298-90-6	--
14		? @ A B C D X K E I (PFOS-$NH(C_2H_5)_3$)	54439-46-2	--
15		? @ A B C D M O E I (PFOS-$N(CH_3)_4$)	56773-44-5	--
16		N, N,N- X Y E Z B -1- T @ A B -1- C D I (PFOS-$N(C_3H_7)_3(C_5H_{11})$)	56773-56-9	--
17		N,N- J P E -N- O E P B -1- [S T @ A B -1- C D \ (PFOS-$N(C_4H_9)_3(CH_3)$)	124472-68-0	--
18		R [4-(1,1- J O E K E)] E]- ^ _ ` ? @ -1- A B C D a 3 (1:1)	213740-80-8	--
19		? @ -1- A B C D J] E (2,4,6- X O E] E) b	258341-99-0	--
20		? @ -1- A B C D 1- S c B E d W _	334529-63-4	--
21		N,N,N- X K E N -1- [S T @ A B -1- C D 3	773895-92-4	--
22		? @ A B C D M P E e (PFOS-P ($C_4H_9)_4$))	2185049-59-4	--
23		? @ A E C D J K [(PFOS-$C_4H_{11}N$)	2205029-08-7	--
24		? @ A E C D f E J O E -[2-(2- O E Y -2- g Q h E) K E] [(PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3	--
25		? @ A E C D i (PFOSAN)	423-92-7	--
26		? @ A E C Q j (PFOS-Cl)	423-60-9	--
27	FOSAA, 1 2 3	N-(? @ -1- A B C Q E) k I D (FOSAA)	2806-24-8	0.010
28		? @ A B C Q I E K D 3 (FOSAA(anion))	909405-47-6	--
29		? @ A B C Q I E K D F (FOSAA-K)	75260-69-4	--
30		? @ A B C Q I E K D H (FOSAA-Na)	115716-87-5	--
31	N-MeFOSAA, 1 2 3	N- O E -N-(? @ -1- A B C Q E) k I D (N-MeFOSAA)	2355-31-9	0.010
32		N-(S T @ A E C Q E)-N- O E k I D 3 (N-Me-FOSAA(anion))	909405-48-7	--

(PFAS)

No.			CAS No.	MDL (mg/kg)
33		N-(S T @ A E C Q E)-N-O E k l D F (N-Me-FOSAA-K)	70281-93-5	--
34		c j m n B(N-O E-(N-(?@A E C Q) k l D o-O1:O1')) J p E X q	97298-47-0	--
35	N-EtFOSAA, 1 2 3	N-K E-N-(?@-1-A B C Q E) k l D(N-EtFOSAA)	2991-50-6	0.010
36		N-K E-N-[(S T B@A E)C Q E]-k l D F 3 (N-Et-FOSAA-K)	2991-51-7	--
37		N-K E-N-((S T@A E)C Q E) k l D 3 (N-Et-FOSAA(anion))	909405-49-8	--
38		N-K E-N-((S T@A E)C Q E) k l D l (N-Et-FOSAA-NH_4)	2991-52-8	--
39		N-K E-N-((S T@A E)C Q E) k l D H (N-Et-FOSAA-Na)	3871-50-9	--
40		J r M j [μ-[N-K E-N-[(?@A E)C Q] k l D o-O1:O1′]]-μ-p E R[2-O E Y L] J q	68891-96-3	--
41	--	N-K E ?@A B C Q [(N-EtFOSA)	4151-50-2	0.010
42	--	N-O E ?@A B C Q [(N-MeFOSA)	31506-32-8	0.010
43	--	2-(N-K E ?@A E C Q [ )K L (N-EtFOSE)	1691-99-2	0.010
44	--	2-(N-O E ?@A E C Q [ )K L (N-MeFOSE)	24448-09-7	0.010
45	PFOSA, 1 2 3	?@A E C Q [(PFOSA)	754-91-6	0.010
46		?@A E C Q [G 3(1:1)(PFOSA-Li)	76752-79-9	--
47		?@A E C Q [H 3 (1:1) (PFOSA-Na)	76752-78-8	--
48		?@A E C Q [F 3 (1:1) (PFOSA-K)	76752-70-0	--
49		?@A E C Q [l 3 (1:1) (PFOSA-NH_4)	76752-72-2	--
50		?@A E C Q [X K [(PFOSA-$C_6H_{15}N$)	76752-82-4	--
51	PFOA, 1 2 3 & 6 7 8	?@A D(PFOA)	335-67-1	0.010
52		?@A D H(PFOA-Na)	335-95-5	--
53		?@A D F(PFOA-K)	2395-00-8	--
54		?@A D s(PFOA-Ag)	335-93-3	--
55		?@A Q@(PFOA-F)	335-66-0	--
56		?@A D l(APFO)	3825-26-1	--
57		?@A D G(PFOA-Li)	17125-58-5	--
58		?@A D t(PFOA-Co)	35965-01-6	--
59		?@A D u(PFOA-Cs)	17125-60-9	--
60		?@A D q(3+)(PFOA-Cr(3+))	68141-02-6	--
61		?@A D-V v(2:1)(PFOA-NH($C_4H_{10}N$))	423-52-9	--
62		?@A D 3	45285-51-6	--
63		?@A D i	33496-48-9	--
64		?@A D M K E [	98241-25-9	--

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(PFAS)

No.			CAS No.	MDL (mg/kg)
65		? @ A D M O E [	32609-65-7	--
66		? @ A D M Y E [	277749-00-5	--
67		? @ A D F r w 8 (PFOA-K(H_2O)$_2$)	98065-31-7	--
68		? @ A D K [(PFOA-C_2H_7N)	1376936-03-6	--
69		? @ A D d W (PFOA-C_5H_5N)	95658-47-2	--
70		? @ A D] E V v (PFOA-$C_{10}H_{14}N_2$)	1514-68-7	--
71		? @ A D A E X O E I (PFOA-$C_{11}H_{26}N$)	927835-01-6	--
72		? @ A Q j (PFOA-Cl)	335-64-8	--
73		? @ A Q x (PFOA-Br)	222037-87-8	--
74	8:2 FTS, 1 2 3	1H,1H,2H,2H- ? @ N B C D (8:2 FTS)	39108-34-4	0.010
75		1H,1H,2H,2H- ? @ N C D F (8:2 FTS-K)	438237-73-1	--
76		1H,1H,2H,2H- ? @ N C D I (8:2 FTS-NH_4)	149724-40-3	--
77		1H,1H,2H,2H- ? @ N C D H (8:2 FTS-Na)	27619-96-1	--
78		1H,1H,2H,2H- ? @ N C D 3 (8:2 FTS(anion))	481071-78-7	--
79		1H,1H,2H,2H- ? @ N C Q j (8:2 FTS-Cl)	27619-90-5	--
80	--	? @ A D O \ (Me-PFOA)	376-27-2	0.200
81	--	? @ A D K \ (Et-PFOA)	3108-24-5	0.200
82	--	1H,1H,2H,2H- ? @ N E Y g D \ (8:2 FTA)	27905-45-9	0.100
83	--	1H,1H,2H,2H-O E Y g D ? @ N \ (8:2 FTMA)	1996-88-9	0.100
84	--	? @ A E ^ B (PFOI)	507-63-1	0.200
85	8:2 FTCA, 1 2 3	2H,2H- ? @ N D (8:2 FTCA)	27854-31-5	0.010
86		M P E y 2H,2H- ? @ N D \ (8:2 FTCA-P(C_4H_9)$_4$)	882489-14-7	--
87	--	1H,1H,2H,2H- ? @-1- N L (8:2 FTOH)	678-39-7	0.100
88	--	1- ^ -1H,1H,2H,2H- ? @ N B (8:2 FTI)	2043-53-0	0.100
89	--	1H,1H,2H,2H- ? @ N E X K h E z B (8:2 FTSi(OC_2H_5)$_3$)	101947-16-4	0.100
90	8:2diPAP, 1 2 3	R [2-(? @ A E)] K E y D \ (8:2diPAP)	678-41-1	0.010
91		R [2-(? @ A E)] K E y D \ H (8:2diPAP-Na)	114519-85-6	--
92		R (2- p K E) I R (? @ A E) K E) y D {	57677-97-1	--
93		R [2-(? @ A E)] K E y D \ I 3 (8:2 diPAP-NH_4)	93776-20-6	--
94		8:2 @ | } 8 y D J \ ~	1411713-91-1	--
95	8:3 FTCA, 1 2 3	2H,2H,3H,3H- ? @ S ¡ B D (8:3 FTCA)	34598-33-9	0.010
96		2H,2H,3H,3H- ? @ S ¡ B D F (8:3 FTCA-K)	83310-58-1	--
97		2H,2H,3H,3H- ? @ S ¡ D G (8:3 FTCA-Li)	67304-23-8	--
98	--	? @ A E K g (PFDE)	21652-58-4	0.100
99	--	3- ? @ f E Y D (7:3 FTCA)	812-70-4	0.010

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(PFAS)

No.			CAS No.	MDL (mg/kg)
100	--	1H,1H,2H,2H- ? @ N E X j z B	78560-44-8	0.100
101	--	1H,1H,2H,2H- ? @ N E X O h E z B	83048-65-1	
102	--	2H- ? @-2- N g D (8:2 FTUCA)	70887-84-2	0.010
103	--	6:8 ? @ ¢ £ D (6:8 PFPi)	610800-34-5	0.010
104	8:8 PFPi, 1 2 3	8:8 ? @ ¢ £ D (8:8 PFPi)	40143-79-1	0.010
105		8:8 ? @ ¢ £ D H 3 (8:8 PFPi-Na)	500776-69-2	--
106		8:8 ? @ ¢ £ D ¤ (3+) 3 (8:8 PFPi-Er)	500776-70-5	--
107		8:8 ? @ ¢ £ D ¥ (3+) 3 (8:8 PFPi-Yb)	500776-71-6	--
108	--	1H,1H,2H,2H- ? @ S J B E K D \ (8:2 FTOAc)	37858-04-1	0.100
109	8:2 monoPAP , 1 2 3	: [2-(? @ A E) K E] y D 3 (8:2 monoPAP)	57678-03-2	0.100
110		8:2 @ | } 8 y D J I 3	93857-44-4	--
111		8:2 @ | } 8 y D H 3	438237-75-3	--
112		R [2-(? @ A E) K E] y D I 3	1764-95-0	--
113		: [2-(? @ A E) K E] y D I 3	92401-44-0	--
114		: [2-(? @ A E) K E] y D : H 3	144965-22-0	--
115		: [2-(? @ A E) K E] y D : F 3	150033-28-6	--
116		: [2-(? @ A E) K E] y D { I 3	2353-52-8	--
117	PFNA, 1 2 3	? @ ¦ D (PFNA)	375-95-1	0.010
118		? @ ¦ D H (PFNA-Na)	21049-39-8	--
119		? @ ¦ D I (PFNA-NH_4)	4149-60-4	--
120		? @ ¦ D F (PFNA-K)	21049-38-7	--
121		? @ ¦ D G (PFNA-Li)	60871-92-3	--
122		? @ ¦ D s (PFNA-Ag)	7358-16-9	--
123		? @ ¦ D O B I (PFNA-$NH_3(CH_3)$)	77032-23-6	--
124		? @ ¦ D -N- K E K [(1:1) (PFNA-$NH_2(C_2H_5)_2$))	77032-27-0	--
125		? @ ¦ D -N- O E O [(1:1) (PFNA-$NH_2(CH_3)_2$)	77032-24-7	--
126		? @ ¦ D -N - N- J K E K Q [(1:1) (9Cl) (PFNA-$NH(C_2H_5)_3$))	327176-80-7	--
127		? @ ¦ D - V W (1:1) (9Cl) (PFNA-$NH_2(C_5H_{10})$)	95682-66-9	--
128		? @ ¦ D -] [(1:1) (PFNA-$NH_3(C_6H_5)$)	95682-67-0	--
129		? @ ¦ D -m n [(1:1) (9Cl) ((PFNA-$NH_3(C_6H_{11})$)	328531-06-2	--
130		? @ ¦ D 3	72007-68-2	--
131		? @ ¦ D C [O h E § v (PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0	--
132		? @ ¦ D i (PFNAA)	228407-54-3	--
133		? @ ¦ Q j (PFNA-Cl)	52447-23-1	--
134		? @ ¦ Q @ (PFNA-F)	558-95-2	--

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(PFAS)

No.			CAS No.	MDL (mg/kg)
135		? @ ¦ Q x (PFNA-Br)	261503-42-8	--
136	PFDA, 1 2 3	? @ N D (PFDA)	335-76-2	0.010
137		? @ N D H (PFDA-Na)	3830-45-3	--
138		? @ N D I (PFDA-NH_4)	3108-42-7	--
139		? @ N D F (PFDA-K)	51604-85-4	--
140		? @ N D s (PFDA-Ag)	5784-82-7	--
141		? @ N D G (PFDA-Li)	84743-32-8	--
142		? @ N D 3	73829-36-4	--
143		? @ N D i (PFDAA)	942199-24-8	--
144		? @ N Q j (PFDA-Cl)	307-38-0	--
145		? @ N Q @ (PFDA-F)	--	--
146	PFUnDA, 1 2 3	? @ S ¡ B D (PFUnDA)	2058-94-8	0.010
147		? @ S ¡ B D H (PFUnDA-Na)	60871-96-7	--
148		? @ S ¡ B D I (PFUnDA-NH_4)	4234-23-5	--
149		? @ S ¡ B D F (PFUnDA-K)	30377-53-8	--
150		? @ S ¡ B D ¨ (PFUnDA-Ca)	97163-17-2	--
151		? @ S ¡ B D 3	196859-54-8	--
152	PFDoDA, 1 2 3	? @ S J B D (PFDoDA)	307-55-1	0.010
153		? @ S J B I (PFDoDA-NH_4)	3793-74-6	--
154		? @ S J B D 3	171978-95-3	--
155		? @ S J B D H (PFDoDA-Na)	307-67-5	--
156	PFTrDA, 1 2 3	? @ S X B D (PFTrDA)	72629-94-8	0.010
157		? @ S X B D I (PFTrDA-NH_4)	4288-72-6	--
158		? @ S X B D H (PFTrDA-Na)	60872-01-7	--
159		? @ S X B D 3	862374-87-6	--
160	PFTDA, 1 2 3	? @ S M B D (PFTDA)	376-06-7	0.010
161		? @ S M B D 3	365971-87-5	--
162	--	? @-3,7- J O E A D (PF-3,7-DMOA)	172155-07-6	0.010
163	PFDS, 1 2 3	? @ N B C D (PFDS)	335-77-3	0.010
164		? @ N B C D H (PFDS-Na)	2806-15-7	--
165		? @ N B C D F (PFDS-K)	2806-16-8	--
166		? @ N E C D I (PFDS-NH_4)	67906-42-7	--
167		? @ N E C D 3	126105-34-8	--
168		? @ N B C D i (PFDSA)	51667-62-0	--
169		? @ N B C Q @ (PFDS-F)	307-51-7	--
170		? @ N B C Q j (PFDS-Cl)	32779-61-6	--

(PFAS)

No.			CAS No.	MDL (mg/kg)
171	--	1H,1H,2H,2H- ? @-1- S J B L (10:2 FTOH)	865-86-1	0.100
172	--	1H,1H,2H,2H- ? @ S J B E Y g D \ (10:2 FTA)	17741-60-5	0.100
173	--	1H,1H,2H,2H- ? @ S J B E O E Y g D \ (10:2 FTMA)	2144-54-9	0.100
174	--	1,1,2,2-M { ? @-1- S M L (12:2 FTOH)	39239-77-5	0.100
175	10:2 FTS, 1 2 3	1H,1H,2H,2H- ? @ S J B C D (10:2 FTS)	120226-60-0	0.100
176		1H,1H,2H,2H- ? @ S J B C D H (10:2 FTS-Na)	108026-35-3	--
177		1H,1H,2H,2H- ? @ S J B C Q j (10:2 FTS-Cl)	27619-91-6	--
178	--	? @ N E K E ^ (10:2 FTI)	2043-54-1	0.100
179	--	1H,1H,2H,2H- ? @ S M B E ^ (12:2 FTI)	30046-31-2	0.100
180	PFNS, 1 2 3	? @ ¦ B C D (PFNS)	68259-12-1	0.010
181		? @ ¦ B C D H (PFNS-Na)	98789-57-2	--
182		? @ ¦ B C D I (PFNS-NH_4)	17202-41-4	--
183		? @ ¦ B C D F (PFNS-K)	29359-39-5	--
184		? @ ¦ B C D 3	474511-07-4	--
185		? @ ¦ B C Q @ (PFNS-F)	68259-06-3	--
186	PFUnDS, 1 2 3	? @ S ¡ B C D (PFUnDS)	749786-16-1	0.010
187		? @ S ¡ B C D 3	441296-91-9	--
188	PFDoDS, 1 2 3	? @ S J B C D (PFDoDS)	79780-39-5	0.010
189		? @ S J B C D H (PFDoDS-Na)	1260224-54-1	--
190		? @ S J B C D F (PFDoDS-K)	85187-17-3	--
191		? @ S J B C D 3	343629-43-6	--
192	PFTrDS, 1 2 3	? @ S X B C D (PFTrDS)	791563-89-8	0.010
193		? @ S X B C D H (PFTrDS-Na)	174675-49-1	--
194	10:2 diPAP, 1 2 3	R [2-(? @ N E) K E] y D 3 (10:2 diPAP)	1895-26-7	0.100
195		2,2'-© I E J K L R [2-(? @ N E) K E] y D 3 (10:2 diPAP-$C_4H_{11}O_2$)	57677-98-2	--
196	--	1- ^ ? @ N B (PFDI)	423-62-1	0.100
197	--	? @ ^ ª S J B (PFDoDI)	307-60-8	0.100
198	--	2H- ? @-2- S J g D (10:2 FTUCA)	70887-94-4	0.010
199	--	2- ? @ N E K D (10:2 FTCA)	53826-13-4	0.010
200	--	1H,1H,2H,2H- ? @ N E K D \ (10:2 FTOAc)	37858-05-2	0.100
201	PFHxS, 1 2 3 & 6 7 8	? @ n E C D (PFHxS)	355-46-4	0.010
202		? @ n E C D H (PFHxS-Na)	82382-12-5	--
203		? @ n E C D F (PFHxS-K)	3871-99-6	--
204		? @ n E C D G (1:1)(PFHxS-Li)	55120-77-9	--
205		? @ n E C D I (PFHxS-NH_4)	68259-08-5	--
206		? @ n E C D X] E ( ] E O E)- y _ 3 (PFHxS-BTPP)	1000597-52-3	--

(PFAS)

No.			CAS No.	MDL (mg/kg)
207		N,N,N- X P E P B -1- [? @ n E C D 3 (PFHxS-N(C_4H_9)$_4$)	108427-54-9	--
208		N, N,N- X K E K [? @ n E C D 3 (PFHxS-N(C_2H_5)$_4$)	108427-55-0	--
209		? @ n E C D ` M { d « ¬ w 8 (PFHxS-NC_4H_9)	1187817-57-7	--
210		? @-1- n E C D -N-[4-[[4-(J K E I E)] E][4-(K E I E)-1- - E] © O E]-2,5-m n J g -1-© E]-N- K E - K I 3 (PFHxS-($NC_{10}H_{14}$)$_3$$C_5H_4$)	1310480-24-0	--
211		? @-1- n E C D -N-[4-[[4-(J O E I E)] E][4-(K E I E)-1- - E] © O E]-2,5-m n J g -1-© E]-N- O E - O E I 3 (PFHxS-(NC_8H_{10})$_2$$C_{13}H_{12}$)	1310480-27-3	--
212		? @-1- n E C D -N-[4-[[4-(J O E I E)] E][4-( ] E I E)-1- - E] © O E]-2,5-m n J g -1-© E]-N- O E - O E I 3 (PFHxS-(NC_8H_{10})$_2$$C_{17}H_{12}$)	1310480-28-4	--
213		? @ n E C D ` β-m ® ¯ ¬ w 8 (PFHxS-$C_{42}H_{70}O_{35}$)	1329995-45-0	--
214		? @ n E C D ` γ-m ® ¯ ¬ w 8 (PFHxS-$C_{48}H_{80}O_{40}$)	1329995-69-8	--
215		? @ n E C D X] E ° _ 3 (TPS-PFHxS)	144116-10-9	--
216		? @ n E C D ± ² , 1-(³ O E)-4-[2-[4-[4-(2,2- J] E ´ µ E)] E]-1,2,3a,4,8b- c { m Z ¶ [b] · ¸ -7- E] K g E] 3 (PFHxS-$C_{44}H_{37}N_2O_2$)	1462414-59-0	--
217		? @ n E C D J] E ^ _ 3 (PFHxS-I(C_6H_5)$_2$)	153443-35-7	--
218		N,N,N- X O E - ? @ n E C D O E I 3 (PFHxS-TMA)	189274-31-5	--
219		? @ n E C D ` 2-O E -2- Y [¬ w 8 (1:1)(PFHxS-NH_2(CH_3)$_3$)	202189-84-2	--
220		? @ n E C D R [4-(1,1- J O E K E)] E] ^ _ 3 (PFHxS-I(C_6H_4)$_2$(C_4H_9)$_2$)	213740-81-9	--
221		? @ n E C D ¹ (9Cl)(PFHxS-Ga)	341035-71-0	--
222		? @ n E C D R (4- O E] E)] E ° _ 3 (1:1)(PFHxS-S(C_7H_7)$_2$$C_6H_5$)	341548-85-4	--
223		? @ n E C D º (PFHxS-Sc)	350836-93-0	--
224		? @ n E C D » (PFHxS-Nd)	41184-65-0	--
225		? @ n E C D ¼(PFHxS-Y)	41242-12-0	--
226		? @ n E C D (° ª J -4,1-©] E) R [J] E] ° _ 3 (PFHxS-S_3(C_6H_5)$_4$(C_6H_4)$_2$)	421555-73-9	--
227		? @ n E C D R [4-(1,1- J O E Y E)] E] ^ _ 3 (PFHxS-I(C_6H_4)$_2$(C_5H_{11})$_2$)	421555-74-0	--
228		? @ n E C Q @(PFHxS-F)	423-50-7	--
229		? @ n E C D X [4-(1,1- J O E K E)] E] ° _ 3 (PFHxS-S(C_6H_4)$_3$(C_4H_9)$_3$)	425670-70-8	--

(PFAS)

No.			CAS No.	MDL (mg/kg)
230		? @ n E C D ½(PFHxS-Zn)	70136-72-0	--
231		? @ n E C D ` 2,2'-© l J K L ¬ w 8 (PFHxS-NH(C_2H_5O)$_2$)	70225-16-0	--
232		? @ n E C D ` X K [¬ w 8 (1:1)(PFHxS-N(C_2H_5)$_3$)	72033-41-1	--
233		? @ n E C D R[(1,1- J O E K E)] E] ^ _ 3 (PFHxS-I(C_6H_4)$_2$(C_4H_9)$_2$)	866621-50-3	--
234		? @ n E C D(4-O E] E) J] ° _ 3 (PFHxS-S(C_6H_5)$_2$$C_7H_7$)	910606-39-2	--
235		? @ n E C D[4-[(2-O E -1- h ª -2- Y g Q) h E]] E] J] E ° _ 3 (PFHxS-S(C_6H_5)$_2$$C_{10}H_9O_2$)	911027-68-4	--
236		? @ n E C D u (1:1)(PFHxS-Cs)	92011-17-1	--
237		J] ¶ [k,n][1,4,7,13]M h ¾ ° m Z J g ,19-[4-(1,1- J O E K E)] E]-6,7,9,10,12,13- c { -, ? @ n E C D 3 (PFHxS-$SC_{28}H_{31}O_4$)	928049-42-7	--
238		? @ n E C Q j (PFHxS-Cl)	55591-23-6	--
239		PFHxS- C D \ } w 8	911027-69-5	--
240		? @ n E C D 3	108427-53-8	--
241		? @ n E C D M P E e (PFHxS-P(C_4H_9)$_4$))	2310194-12-6	--
242	--	N- O E ? @-1- n C Q [(N-Me-PFHxSA)	68259-15-4	0.010
243	--	? @ n B C Q [(PFHxSA)	41997-13-1	0.010
244	--	N-[3-(J O E l E) Y E] S X @ n C Q [(N-AP-FHxSA)	50598-28-2	0.010
245	--	2-[O E [(S X @ n E) C Q E] l E] Y g D K \ (N-MeFHSEA)	67584-57-0	0.200
246	--	2-[O E [(S X @ n E) C Q E] l E] K E O E Y g D \	67584-61-6	0.200
247	--	2-[K E [(S X @ n E) C Q E] l E] K E O E Y g D \	67906-70-1	0.200
248	--	S X @-N-(2- p E K E)-N- O E n B C Q [(MeFHxSE)	68555-75-9	0.010
249	EtFHxSAA - 1 2 3	N- K E -N-[(S X @ n E) C Q E] k l D (EtFHxSAA)	68957-32-4	0.010
250		N- K E -N-[(S X @ n E) C Q E] k l D F (EtFHxSAA-K)	67584-53-6	--
251		N- K E -N-((S X @ n E) C Q E) k l D H (EtFHxSAA-Na)	68555-70-4	--
252	PFHxA, 1 2 3 & 6 7 8	? @ n D (PFHxA)	307-24-4	0.010
253		? @ n D l (APFHx)	21615-47-4	--
254		? @ n D H (PFHxA-Na)	2923-26-4	--
255		? @ n D F (PFHxA-K)	3109-94-2	--
256		? @ n Q @(PFHxA-F)	355-38-4	--
257		? @ n D s (PFHxA-Ag)	336-02-7	--
258		? @ n D G (PFHxA-Li)	90430-61-8	--
259		? @ n D i	308-13-4	--

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(PFAS)

No.			CAS No.	MDL (mg/kg)
260		? @ n D V v (2:1)	423-47-2	--
261		? @ n D 3	92612-52-7	--
262		? @ n Q j (PFHxA-Cl)	335-53-5	--
263		? @ n Q x (PFHxA-Br)	1404193-66-3	--
264		? @ n D n [(PFHxA-$C_6H_{15}N$)	565225-91-4	--
265		? @ n D] E V v (PFHxA-$C_{10}H_{14}N_2$)	985-60-4	--
266	--	1H,1H,2H,2H- ? @-1- A L (6:2 FTOH)	647-42-7	0.100
267	--	1H,1H,2H,2H- ? @-1- n L (4:2 FTOH)	2043-47-2	0.400
268	--	1H,1H,2H,2H- ? @ A E Y g D \ (6:2 FTA)	17527-29-6	0.200
269	6:2 FTS, 1 2 3	1H,1H,2H,2H- ? @ A C D (6:2 FTS)	27619-97-2	0.010
270		1H,1H,2H,2H- ? @ A B C D H (6:2 FTS-Na)	27619-94-9	--
271		1H,1H,2H,2H- ? @ A B C D F (6:2 FTS-K)	59587-38-1	--
272		1H,1H,2H,2H- ? @ A B C D I (6:2 FTS-NH_4)	59587-39-2	--
273		1H,1H,2H,2H- ? @ A C D ¿ (6:2 FTS-Ba)	1807944-82-6	--
274		1H,1H,2H,2H- ? @ A C D 3 (6:2FTS(anion))	425670-75-3	--
275		1H,1H,2H,2H- ? @ A C Q j (6:2 FTS-Cl)	27619-89-2	--
276		1H,1H,2H,2H- ? @ A C Q @(6:2 FTS-F)	--	--
277	--	? @ A E X K h E z B (6:2 FTSi(OC_2H_5)$_3$)	51851-37-7	0.500
278	--	1H,1H,2H,2H- ? @ A E X j z B	78560-45-9	0.200
279	--	1H,1H,2H,2H- ? @ A E X O h E z B (6:2 FTSi(OCH_3)$_3$)	85857-16-5	
280	--	1,1,1,2,2,3,4,5,6,6- S X @-6- ^ n B (PFHx-I)	355-43-1	0.200
281	--	1,1,1,2,2,3,4,5,6,6- S X @-8- ^ À	38550-34-4	0.200
282	--	N-[3-(J O I E) Y E]-3,3,4,4,5,5,6,6,7,7,8,8,8- S X @ A B C Q [N- h Á 8	80475-32-7	0.100
283	--	3,3,4,4,5,5,6,7,8,8- S X @ A \ ° Â D	26650-09-9	0.200
284	6:2 monoPAP , 1 2 3	6:2 y D @ | } 8 : \ (6:2 monoPAP)	57678-01-0	0.100
285		6:2 y D @ | } 8 : \ J I 3 (6:2 monoPAP-NH_4NH_4)	1000852-37-8	--
286	--	2H,2H,3H,3H- ? @ ¦ D (6:3 FTCA)	27854-30-4	0.100
287	--	3,3,4,4,5,6,7,7,8,8,8- X @ A B -1- ° L (6:2 FTSH)	34451-26-8	0.200
288	--	1H,1H,2H,2H- ? @ A E J O E j z B (6:2 FTSiMe_2Cl)	102488-47-1	0.200
289	--	1H,1H- X @-1- ^ f B (6:1 FTI)	212563-43-4	0.200
290	--	4,4,5,5,6,7,8,9,9,9- X @ ¦ E ^ Á 8 (6:3 FTI)	89889-20-3	0.200
291	6:2 FTPA, 1 2 3	? @ n E K E £ D (6:2 FTPA)	252237-40-4	0.100
292		? @ E E £ D H (Cheminox FHP$_2$OH-Na(PFHXPA-Na))	1189052-95-6	--
293	--	S ¡ @ Ã n B -1- L (5:1 FTOH)	423-46-1	0.200

(PFAS)

No.			CAS No.	MDL (mg/kg)
294	--	1H,1H- ? @ f -1- L (6:1 FTOH)	375-82-6	0.200
295	--	3- ? @ n E Y L (6:3 FTOH)	80806-68-4	0.200
296	--	3,3,4,4,5,6,7,7,7- J S @ f B -2- L (5:2 sFTOH)	914637-05-1	0.200
297	--	1-(? @ n E) A B (F_6H_8)	133331-77-8	0.200
298	--	1H,1H X @ f [(6:1 $FTNH_2$)	423-49-4	0.200
299	--	2H- ? @-2- A g D (6:2 FTUCA)	70887-88-6	0.010
300	6:6 PFPi, 1 2 3	6:6 ? @ ¢ £ D (6:6 PFPi)	40143-77-9	0.010
301		6:6 ? @ ¢ £ D H 3 (6:6 PFPi-Na)	70609-44-8	--
302		6:6 ? @ ¢ £ D ¥ (3+) 3 (6:6 PFPi-Yb)	500776-72-7	--
303		6:6 ? @ ¢ £ D ¤ (3+) 3 (6:6 PFPi-Er)	500776-73-8	--
304	PFBA, 1 2 3	? @ P D (PFBA)	375-22-4	0.010
305		T @ P D I (PFBA-NH_4)	10495-86-0	--
306		T @ P D H (PFBA-Na)	2218-54-4	--
307		T @ P D F (PFBA-K)	2966-54-3	--
308		T @ P D s (PFBA-Ag)	3794-64-7	--
309		? @ P D G (PFBA-Li)	4146-76-3	--
310		T @ P D V v (1:1)	375-04-2	--
311		? @ P D 3	45048-62-2	--
312		? @ P D 4- j Ä Å] c @ y D 3 (PFBA-$C_6H_4ClF_6N_2P$)	--	--
313		? @ Ã P D] E V v (1:1) (PFBA-$C_{10}H_{14}N_2$)	2263-11-8	--
314		? @ Ã P D i (PFBAA)	336-59-4	--
315		? @ Ã P D ¨ (PFBA-Ca)	2366-98-5	--
316		? @ Ã P D Æ Rhodium(II) (PFBA-Rh)	73755-28-9	--
317		? @ P Q j (PFBA-Cl)	375-16-6	--
318		? @ P Q @ (PFBA-F)	335-42-2	--
319		? @ P Q x (PFBA-Br)	375-13-3	--
320		4- j] J Å I ? @ P D \ ? @ P D (1:1:1)	--	--
321		N5-(5- p E -4,6- J O E Ç W-2- E)-L- È I D - T @ P D (1/2)	936233-19-1	--
322	PFBS, 1 2 3 & 6 7 8	? @ P C D (PFBS)	375-73-5	0.010
323		? @ P E C D F (PFBS-K)	29420-49-3	--
324		? @ P E C D r w 8 (PFBS-H_2O)	59933-66-3	--
325		É @-1- P B C D G (PFBS-Li)	131651-65-5	--
326		? @ P E C D X] E b 3 (TPS-PFBS)	144317-44-2	--
327		? @ P E C D J O E ( ] E) b (PFBS-$S(CH_3)_2(C_6H_5)$	220133-51-7	--
328		? @ P E C D M P E e (PFBS-$P(C_4H_9)_4$)	220689-12-3	--
329		N,N,N- X K E K L [? @ P E C D (PFBS-$N(C_2H_5)_4$)	25628-08-4	--

(PFAS)

No.			CAS No.	MDL (mg/kg)
330		? @ P E C Q @(PFBS-F)	375-72-4	--
331		? @ P C D Ê ² (PFBS-NC_4H_9O)	503155-89-3	--
332		? @ P E C D U(PFBS-Mg)	507453-86-3	--
333		? @ P E C D I (PFBS-NH_4)	68259-10-9	--
334		1-(4- P h E -1- - E)M { ´ µ ? @ P E C D 3 (PFBS-$SC_{18}H_{23}O$)	209482-18-8	--
335		? @ P E C Q j (PFBS-Cl)	2991-84-6	--
336		? @ P E C D H(PFBS-Na)	60453-92-1	--
337		? @-1- P C D R(4- Ë P E] E) ^ _ (PFBS-$I(C_6H_4)_2(C_4H_9)_2$)	194999-85-4	--
338		1,1,2,2,3,4,4,4- ¡ @ P B -1- C D ` 2,2'- © I E J K L a Á w 8 (1:1)(PFBS-$NH(C_2H_5O)_2$)	70225-18-2	--
339		? @ P E C D M P E I ((PFBS-$N(C_4H_9)_4$))	108427-52-7	--
340		? @ P E C D J] ^ ((PFBS-$I(C_6H_5)_2$))	194999-82-1	--
341		? @ P E C D X(4- Ë P E] E) b	241806-75-7	--
342		? @ P E C D(4- m n E] E)(J] E) b	425670-64-0	--
343		? @ P E C D 1-(1- O E -1H- · ¸ -3- E) ° L -1- _	867373-18-0	--
344		? @ P E C D 1- K E -3- O E d W _	1015420-87-7	--
345		? @ P E C D 1- O E -3- A E Ì Í _	905972-83-0	--
346		? @ P E C D 1- n E -3- O E Ì Í _	1001557-05-6	--
347		? @ P E C D N,N- J O E -N-(Y -2- E) Y -2- [	374571-81-0	--
348		? @ P E C D[4-(2- Ë P h E -2- h ª K h E)] E](J] E) (1:1)	857285-80-4	--
349		? @ P E C D N,N- J P E -N- O E P B -1- [(1:1)	124472-66-8	--
350		? @ P E C D ½(2:1)(PFBS-Zn)	502457-69-4	--
351		? @ P E C D N,N,N- X Y E Z B (1:1)	56773-55-8	--
352		? @ P E C D M O E I 3 (PFBS-$N(CH_3)_4$)	25628-17-5	--
353		? @ P B C D i	36913-91-4	
354		? @ P E C D 3	45187-15-3	--
355		1-(4- P h E -1- - E) É @ P B -1- C D M { ´ µ	EC: 468-770-4	--
356		? @ P E C D X K E I	182059-38-7	--
357		N-(2- p K E)-N,N- J O E -1- A I ? @-1- P C D 3 (1:1)	334529-55-4	--
358		? @ P E C D 1- S c B E d W _	334529-62-3	--
359		? @ P E C D 1- P E d W _	334529-64-5	--
360		N- O E -N,N- J A E -1- A I ? @-1- P C D 3	495417-51-1	--
361		X(4- O E] E) C ` ? @-1- P C D a 3 (1:1)	722538-68-3	--
362		N- K E -N- O E -N- Y E I ? @ P C D \	1186599-90-5	--

(PFAS)

No.			CAS No.	MDL (mg/kg)
363		[4-(2-O E Y E)] E]- J] E C I ;1,1,2,2,3,3,4,4,4- ¦ @ P B -1- C D 3	1375211-36-1	--
364		J] E 4-Ë P E] E C I ¦ @ P C D 3	258872-05-8	--
365		J] E (4-O E] E) É @ P C D 3	284474-28-8	--
366		X O E z E ? @ P E C D \	68734-62-3	--
367	PFPeA, 1 2 3	? @ Z D (PFPeA)	2706-90-3	0.010
368		? @ Z D H (PFPeA-Na)	2706-89-0	--
369		? @ Z D F (PFPeA-K)	336-23-2	--
370		? @ Z D G (PFPeA-Li)	198482-22-3	--
371		? @ Z D s (PFPeA-Ag)	2795-30-4	--
372		? @ Z D I (PFPeA-NH_4)	68259-11-0	--
373		? @ Z D 3	45167-47-3	--
374		? @ Z D Î E ° Ï (PFPeA-$C_8H_{10}N_2S$)	64808-55-5	--
375		? @ Z D i (PFPeAA)	308-28-1	--
376		? @ Z Q j (PFPeA-Cl)	375-60-0	--
377		? @ Z Q @ (PFPeA-F)	375-62-2	--
378		? @ Z Q x (PFPeA-Br)	159623-35-5	--
379	HPFHpA, 1 2 3	7H- S J @ f D (HPFHpA)	1546-95-8	0.010
380		7H- S J @ f D H (HPFHpA-Na)	2264-25-7	--
381		7H- S J @ f D I (HPFHpA-NH_4)	376-34-1	--
382		7H- S J @ f D 3 (HPFHpA(anion))	69681-35-2	--
383		7H- S J @ f D F (HPFHpA-K)	--	--
384		7H- S J @ f D G (HPFHpA-Li)	--	--
385		7H- S J @ f Q j (HPFHpA-Cl)	41405-35-0	--
386		7H- S J @ f Q @ (HPFHpA-F)	5927-65-1	--
387		7H- S J @ f Q x (HPFHpA-Br)	141893-84-7	--
388	PFHpS, 1 2 3	? @ f B C D (PFHpS)	375-92-8	0.010
389		? @ f E C D H (PFHpS-Na)	21934-50-9	--
390		? @ f E C D F (PFHpS-K)	60270-55-5	--
391		? @ f C D D I (PFHpS-NH_4)	68259-07-4	--
392		? @ f B C D G (PFHpS-Li)	117806-54-9	--
393		? @ f B C D - R (2- p K E) I (1:1)	70225-15-9	--
394		? @ f B C D 3	146689-46-5	--
395		? @ f B C D X K E I	72033-40-0	--
396		? @ f B C D M K E I	439863-97-5	--
397		? @ f B C D i (PFHpSA)	140429-92-1	--

(PFAS)

No.			CAS No.	MDL (mg/kg)
398		? @ f B C Q @(PFHpS-F)	335-71-7	--
399		? @ f B C Q j (PFHpS-Cl)	33018-82-5	--
400		? @ f D (PFHpA)	375-85-9	0.010
401		? @ f D H (PFHpA-Na)	20109-59-5	--
402		? @ f D F (PFHpA-K)	21049-36-5	--
403		? @ f D I (PFHpA-NH_4)	6130-43-4	--
404	PFHpA, 1 2 3	? @ f D u (PFHpA-Cs)	171198-24-6	--
405		? @ f D s (PFHpA-Ag)	424-05-5	--
406		? @ f D G (PFHpA-Li)	60871-90-1	--
407		? @ f D 3	120885-29-2	--
408		? @ Ã f D i (PFHpAA)	78225-99-7	--
409		? @ f Q j (PFHpA-Cl)	52447-22-0	--
410		? @ f Q @(PFHpA-F)	375-84-8	--
411		2,3,3,3-M @-2-(T @ Y h E) Y D (HFPO-DA)	13252-13-6	0.010
412		2,3,3,3-M @-2-(T @ Y h E) Y D I (HFPO-DA-NH_4)	62037-80-3	--
413		2,3,3,3-M @-2-(T @ Y h E) Y D F (HFPO-DA-K)	67118-55-2	--
414		2,3,3,3-M @-2-(T @ Y h E) Y D Q E @ Á 8 (HFPO-DA-F)	2062-98-8	--
415		2,3,3,3-M @-2-(T @ Y h E)-, (+)- Y D	75579-39-4	--
416	HFPO-DA, 1 2 3 & 6 7 8	2,3,3,3-M @-2-(T @ Y h E)-,(-)- Y D	75579-40-7	--
417		2,3,3,3-M @-2-(T @ Y h E) Y D H	67963-75-1	--
418		? @(2- Y h E Y D \ )	122499-17-6	--
419		2,3,3,3-M @-2-(T @ Y h E) Y D -N- Y E Y B -1- [(1/1)	165951-17-7	--
420		? @-2- Y h E Y D X K [	165951-18-8	--
421		4-[(6- O h E -3- § v E) I C Q E]2,3,3,3-M @-2-(T @ Y h E) Y D] [	298703-31-8	--
422		2,3,3,3-M @-7-(T @ Y h E) Y D (1- O E V W-3- E)2,3,6- X ^] O D O \ (HFPO-$C_{14}H_{16}I_3NO_2$)	2412106-69-3	--
423	4:2 FTS, 1 2 3	1H,1H,2H,2H- ? @ n B C D (4:2 FTS)	757124-72-4	0.010
424		1H,1H,2H,2H- ? @ n B C D H	27619-93-8	--
425		1H,1H,2H,2H- ? @ n B C D 3 (4:2 FTS(anion))	414911-30-1	--
426		? @ Z C D (PFPeS)	2706-91-4	0.010
427		? @ Z C D H (PFPeS-Na)	630402-22-1	--
428		? @ Z C D F (PFPeS-K)	3872-25-1	--
429		? @ Z C D I		

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(PFAS)

No.			CAS No.	MDL (mg/kg)
467		? @(2- K h E K B)		

(PFAS)

No.			CAS No.	MDL (mg/kg)
501		2,3,3,3-M@-2-[1,1,2,3,3,3- c @-2-(T @ Y h E) Y h E] Y D J O [(1:1 3)	328065-54-9	--
502	PFEtS, 1 2 3	? @ K B C D (PFEtS)	354-88-1	0.010
503		? @ K B C D 3 (PFEtS (anion))	108410-37-3	--
504		? @ K B C D F (PFEtS-K)	2837-92-5	--
505	6:2 diPAP, 1 2 3	R [2-(? @ n E) K E] y D 3 (6:2 diPAP)	57677-95-9	0.010
506		R [2-(? @ n E) K E] y D (6:2 diPAP-Na)	407582-79-0	--
507		R [2-(? @ n E) K E] y D 3 ~ (6:2 diPAP(Anion))	667465-18-1	--
508	TFSI, 1 2 3	R (X @ O B) C Q © [(TFSI)	82113-65-3	0.010
509		1- P E -1- O E d « B R (X @ O B) C Q © [	223437-11-4	--
510		X P E O E I R (X @ O B) C Q © [	405514-94-5	--
511		R (X @ O B) C Q © [G (TFSI-Li)	90076-65-6	--
512		1- N E -3- O E Ì Í R (X @ O B) C Q © [	433337-23-6	--
513		R (X @ O C Q E) © [½ II) ($(TFSI)_2$-Zn)	168106-25-0	--
514		R (X @ O C Q © Ó II) ($(TFSI)_2$-Mn)	207861-55-0	--
515		R (X @ O C Q © [ ) Ô (II) ($(TFSI)_2$-Ni)	207861-63-0	--
516		R (X @ O C Q © [Õ (II) ($(TFSI)_2$-Cu)	162715-14-2	--
517		X [1,1,1- X @-N-[(X @ O E) C Q E -KO] O C Q [E -KO]- Ö ($(TFSI)_3$-Fe)	207861-59-4	--
518		X @ O B C Q © [Õ (II) J r w 8 ($(TFSI)_2$-CuH_2O)	1334406-76-6	--
519		R (X @ O B C Q © [s (TFSI-Ag)	189114-61-2	--
520		R (X @ O E C Q E) © [Õ (TFSI-Cu)	291300-50-0	--
521		R (X @ O B C Q © [ ) ¿ ($(TFSI)_2$-Ba)	168106-22-7	--
522		R (X @ O E C Q E) © [× ($(TFSI)_2$-Sr)	862121-57-1	--
523		1- O E Ì Í R (X @ O C Q © [	353239-08-4	--
524		1- K E -3- O E Ì Í _ R	174899-82-2	--
525		1,2- J O E -3- Y E Ì Í _ R (X @ O E C Q E) © [3	169051-76-7	--
526		R (X @ O E C Q E) © [U (TFSI-Mg)	133395-16-1	--
527		1- O E -3- Y E Ì Í _ R (X @ O E C Q E) © [3	216299-72-8	--
528		1- P E -1- O E Ì Í _ R (X @ O E C Q E) © [3	623580-02-9	--
529		1- O E -3- Ã A E Ì Í _ R (X @ O C Q E) © [3	178631-04-4	--
530		X [R (X @ O E C Q E) I E] ¥ ($(TFSI)_3$-Yb)	175438-43-4	--
531		P E - X O E R (X @ O E C Q E) © [I	258273-75-5	--
532		R (X @ O E C Q E) © [t ($(TFSI)_2$-Co)	207861-61-8	--
533		R (X @ O C Q © [F (TFSI-K)	90076-67-8	--
534		1- O E -1- Y E V W-1- _ R (X @ O E) C Q E)- Q [	608140-12-1	--
535		1- K E -2,3- J O E Ì Í _ R (X @ O B C Q) © [3	174899-90-2	--

(PFAS)

No.			CAS No.	MDL (mg/kg)
536		1-O E-1-Y E d « B _ R(X@O C Q E)© [3	223437-05-6	--
537		1,1,1-X@-N-X@O B C Q E-N-(N-X@O B C Q E-X@O B C Q [E)-p E)-O C Q [((TFSI)$_2$-Ca)	165324-09-4	--
538		R(X@O E C Q E)© [Ø Ù	827027-25-8	--
539		1-S J B E-3-O E Ì Í _ R(X@O C Q E)© [3	404001-48-5	--
540		1-K E-1-O E d « B R(X@O E C Q E)© [3	223436-99-5	--
541		J K E O E ° R(X@O E C Q)© [	792188-85-3	--
542		R(X@O E C Q E)Ú Å Á 8 & Û(2+) ((TFSI)$_2$-Hg)	104715-41-5	--
543		R(X@O C Q E)Q © [Ü(III) 3 (TFSI-Ce)	1046099-39-1	--
544		{R[(X@O E)C Q E]Å ¾ Á Ý}Ý 3 (TFSI-Cd)	1263295-73-3	--
545		R(X@O C Q E)Q © [Þ(III) 3 (TFSI-La)	168106-26-1	--
546		R(X@O E C Q)Q © [º(III) 3 (TFSI-Sc)	176726-07-1	--
547		R(X@O C Q)Q © [¼(III) 3 (TFSI-Y)	189114-86-1	--
548		R(X@O C)Q © [ß 3 (TFSI-V)	207861-54-9	--
549		R(X@O C Q)Q © [Ö(II) 3 (TFSI-Fe)	207861-57-2	--
550		R(X@O E C Q)Q © [à(II) 3 (TFSI-Sn)	460096-08-6	--
551		R(X@O C Q E)Q © [u 3 (TFSI-Cs)	91742-16-4	--
552		R(X@O C Q)Q © [H 3 (TFSI-Na)	91742-21-1	--
553	10:2 monoPAP, 1 2 3	: [2-(?@N E)K E]y D \ (10:2 monoPAP)	57678-05-4	0.100
554		: [2-(?@N E)K E]y D R I 3	93857-45-5	--
555		J S ¡@S J B E y D J { \ m n I 3	2514858-66-1	--
556	-	N-(4,4,5,5,6,6,7,7,8,8,9,9,9-S X@¦E)^ K Q [	852527-50-5	0.010
557		X@O C D(TFMS)	1493-13-6	0.010
558		X@O C D H 3 (TFMS-Na)	2926-30-9	--
559		X@O C D s 3 (TFMS-Ag)	2923-28-6	--
560		X@O C D ½ 3 (TFMS-Zn)	54010-75-2	--
561		X@O C D º 3 (TFMS-Sc)	144026-79-9	--
562		X@O C D i	358-23-6	--
563	TFMS, 1 2 3	X@O C D G 3 (TFMS-Li)	33454-82-9	--
564		X@O C D Õ 3 (TFMS-Cu)	34946-82-2	--
565		X@O C D ¿ 3 (TFMS-Ba)	2794-60-7	--
566		X@O C D Ü 3 (TFMS-Ce)	107792-63-2	--
567		X@O C D U 3 (TFMS-Mg)	60871-83-2	--
568		X@O C D F 3 (TFMS-K)	2926-27-4	--
569		X@O C D Ô 3 (TFMS-Ni)	60871-84-3	--
570		X@O C D à 3 (TFMS-Sn)	62086-04-8	--
571		X@O C D ¼ 3 (TFMS-Y)	52093-30-8	--

(PFAS)

No.		CAS No.	MDL (mg/kg)
572	X @ O C D Ö 3 (TFMS-Fe)	63295-48-7	--
573	X @ O C D Ü 3 (TFMS-Ce)	76089-77-5	--
574	X @ O C D M P E I	35895-70-6	--
575	X @ O C D O E X A E I	121107-18-4	--
576	Ì Í X @ O C D \	29727-06-8	--
577	X @ K Q E X @ O C D \	68602-57-3	--
578	X @ O C D Þ (III) (TFMS-La)	52093-26-2	--
579	X @ O C D á (III) (TFMS-In)	128008-30-0	--
580	X @ O C D â (III)(TFMS-Sm)	52093-28-4	--
581	X @ O C D ¥ (III) (TFMS-Yb)	54761-04-5	--
582	X @ O C D ã (III) (TFMS-Tm)	141478-68-4	--
583	X @ O C D M K E I	35895-69-3	--
584	X @ O C D 1-@-3,5- J j d W	107264-06-2	--
585	X @ O C D X K [3	646-58-2	--
586	X] E X @ O D i e	72450-51-2	--
587	N, N- J K E -6-(J K I E)-9-(2-(O h ä E)] E)-3H- å -3- © E X @ O C D I	120611-30-5	--
588	X @ O C D J] I	164411-06-7	--
589	1-(3- I E Å ¾ m P B -1- E) Y -2- g -1- À , X @ O C D	2060047-56-3	--
590	X @ O C D æ	153756-25-3	--
591	X @ O C D -1- K E -1H- Ì Í (1/1)	501693-46-5	--
592	ç (3+) (OC-6-22)- ` X @ O C D (1:3) a 3	74468-24-9	--
593	O- è Z Q E p [X @ O C D \	1293990-73-4	--
594	X @ O C Q j	421-83-0	--
595	(2- d W O E) C Q j X @ O C D \	882564-09-2	--
596	X @ O C Q x	15458-53-4	--
597	X @ O C D Û (II)(TFMS-Hg)	49540-00-3	--
598	X @ O C D é (III)(TFMS-Dy)	139177-62-1	--
599	X @ O C D Ó (II)(TFMS-Mn)	55120-76-8	--
600	X @ O C D Ñ [ê (III)	83781-30-0	--
601	X @ O C D ë (III)(TFMS-Lu)	126857-69-0	--
602	X @ O C D ì (III)(TFMS-Tb)	148980-31-8	--
603	X @ O C D » (III)(TFMS-Nd)	34622-08-7	--
604	X @ O C D I (TFMS-NH4)	38542-94-8	--
605	X @ O C D í (III)(TFMS-Ho)	139177-63-2	--
606	X @ O C D \	37181-39-8	--
607	X @ O C D î (III)(TFMS-Pr)	52093-27-3	--

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(PFAS)

No.			CAS No.	MDL (mg/kg)
608		X @ O C D ï (III)(TFMS-Bi)	88189-03-1	--
609		X @ O C D ð (III)(TFMS-Eu)	52093-25-1	--
610		X @ O C D ¤ (III)(TFMS-Er)	139177-64-3	--
611		X @ O C D ¹ (III)(TFMS-Ga)	74974-60-0	--
612		N,N,N- X K E -2,2,2- X @ K B -1- X @ O C D I	380230-73-9	--
613		X @ O C D ¨ (II)(TFMS-Ca)	55120-75-7	--
614		X @ O C D ñ (I)(TFMS-Tl)	73491-36-8	--
615		X @ O C D ò (IV)(TFMS-Hf)	161337-67-3	--
616		1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- S Ñ @ A E) d W _ X @ O C D 3	25061-59-0	--
617		M Y E I X @ O C D 3	35925-48-5	--
618		(T @ Y E)( ] E) ^ _ X @ O C D 3	77758-79-3	--
619		] E (S X @ n E) ^ _ X @ O C D 3	77758-84-0	--
620		(S T @ A E)( ] E) ^ _ X @ O C D 3	77758-89-5	--
621		(1,1,1,2,3,3,3- T @ Y B -2- E)( ] E) ^ _ X @ O C D 3	82959-18-0	--
622		X K E O E I X @ O C D 3	90756-35-7	--
623		Ñ @] [_ X @ O C D 3	912823-79-1	--
624		X P E O E I X @ O C D 3	944557-37-3	--
625	PFPrS, 1 2 3	? @ Y B C D (PFPrS)	423-41-6	0.010
626		? @ Y B C D H (PFPrS-Na)	359868-82-9	--
627	-	1- ? @ f E K L (7:2 ó) (7:2sFTOH)	24015-83-6	0.200
628	-	1- ^ -1H, 1H, 2H, 2H- ? @ n B (4:2 FTI)	2043-55-2	0.200
629	PFHpSi, 1 2 3	? @ f B -1- © C D (PFHpSi)	769067-51-8	0.010
630		? @ f B -1- © C D H 3 (PFHpSi-Na)	68555-66-8	--
631	PFOPA, 1 2 3	? @ A E y D (PFOPA)	40143-78-0	0.010
632		? @ A E y D -4- O E] O Q [	1263361-03-0	--
633	-	1H, 1H- ? @ A [(7:1 FTNH$_2$)	307-29-9	0.200
634	-	? @ f Q [(PFHpA-NH$_2$)	2358-22-7	0.100
635	-	? @ P Q [(PFBA-NH$_2$)	662-50-0	0.200
636	-	1H, 1H, 2H, 2H- É @ n \ (4:2 FTA)	52591-27-2	0.200
637	-	N- O E - É @ P C Q [(MeFBSA)	68298-12-4	0.010
638	-	N- K E -1,1,2,2,3,3,4,4,5,5,6,6,6- S X @-N-(2- p K E)-1- n C Q [(Et-FHxSE)	34455-03-3	0.010
639	TFA, 1 2 3	X @ K D (TFA)	76-05-1	1.000
640		X @ K D H (TFA-Na)	2923-18-4	--
641		X @ K D ñ (TFA-Tl)	23586-53-0	--
642		X @ K D G (TFA-Li)	2923-17-3	--

(PFAS)

No.			CAS No.	MDL (mg/kg)
643		X @ K D s (TFA-Ag)	2966-50-9	--
644		X @ K D u (TFA-Cs)	21907-50-6	--
645		X @ K D F (TFA-K)	2923-16-2	--
646		X @ K D I (TFA-NH_4)	3336-58-1	--
647		X @ K D Û (TFA-Hg)	13257-51-7	--
648		X @ K D ô (TFA-Pd)	42196-31-6	--
649		X @ K D 3 (TFA anion)	14477-72-6	--
650		X @ K D J O E [(X @ K Q E) h E] b	57738-66-6	--
651		X @ K D õ (III)(TFA-Al)	36554-89-9	--
652		X @ K D ¿ (II)(TFA-Ba)	60884-92-6	--
653		X @ K D ¤ (III)(TFA-Er)	70236-99-6	--
654		X @ K D á (III)(TFA-In)	36554-90-2	--
655		X @ K D Þ (III)(TFA-La)	70236-92-9	--
656		X @ K D Ô (II)(TFA-Ni)	16083-14-0	--
657		X @ K D ö (II)(TFA-Pb)	4146-73-0	--
658		X @ K D Æ (II)(TFA-Rh)	72654-51-4	--
659		X @ K D ã (III)(TFA-Tm)	70237-00-2	--
660		X @ K D ¥ (III)(TFA-Yb)	87863-62-5	--
661		X @ K D ½ (II)(TFA-Zn)	21907-47-1	--
662		X @ K D ç (II)(TFA-Ru)	61612-84-8	--
663		X @ K D U (II)(TFA-Mg)	123333-72-2	--
664		X @ K D Õ (II)(TFA-Cu)	123333-88-0	--
665		X @ K D O E X K D O E K Q I	121107-16-2	--
666		q j Ţ Ŏ + 22		

(PFAS)

No.			CAS No.	MDL (mg/kg)
680	PFHxPA, 1 2 3	? @ n E £ D	40143-76-8	0.010
681		? @ n E £ D 4-O E] O [	1263361-02-9	--
682	--	((? @ A E) K E) £ D	80220-63-9	0.020
683	--	3-(? @ P E) Y D	80705-13-1	0.010
684	--	? @-3,6,9- X h ¾ S ¡ B -1,11- J D	55621-18-6	0.020
685	--	? @ ¦ J D	23453-64-7	0.020
686	--	? @ A J D	678-45-5	0.020
687	--	? @ X Y [	338-83-0	10.000
688	HFAC, 1 2 3	c @ K Q Y À (HFAC)	1522-22-1	0.010
689		c @ K Q Y À D × (HFAC-Sr)	121012-89-3	--
690		c @ K Q Y À D ¨ (HFAC-Ca)	121012-90-6	--
691		c @ K Q Y À D ï (III)(HFAC-Bi)	141364-06-9	--
692		c @ K Q Y À D Ô (II)(HFAC-Ni)	14949-69-0	--
693		c @ K Q Y À D Õ (II) r w 8 (HFAC-Cu·H_2O)	155640-85-0	--
694		c @ K Q Y À D ø (HFAC-Th)	18865-75-3	--
695		c @ K Q Y À D ¼ (HFAC-Y)	18911-76-7	--
696		c @ K Q Y À D ¤ (III) r w 8 (HFAC-Er·H_2O)	18923-92-7	--
697		c @ K Q Y À D º (III)(HFAC-Sc)	18990-42-6	--
698		c @ K Q Y À D t (II)(HFAC-Co)	19648-83-0	--
699		c @ K Q Y À D U (HFAC-Mg)	19648-85-2	--
700		c @ K Q Y À D Ó (II)(HFAC-Mn)	19648-86-3	--
701		c @ K Q Y À D H (HFAC-Na)	22466-49-5	--
702		c @ K Q Y À D u (HFAC-Cs)	22518-56-5	--
703		c @ K Q Y À D ¿ (HFAC-Ba)	314071-48-2	--
704		c @ Z J À D á (HFAC-In)	34110-72-0	--
705		c @ K Q Y À D à (II)(HFAC-Sn)	51319-99-4	--
706		c @ K Q Y À D ô (II)(HFAC-Pd)	64916-48-9	--
707	--	? @-N- O E Ê ²	382-28-5	10.000
708	--	4,4'-[2,2,2- X @-1-(X @ O E) © K E] R ù (BPAF)	1478-61-1	10.000
709	PFTriODA - 1 2 3	? @-(2,5,8- X O E -3,6,9- X h ¾ S J B D) (PFTriODA)	65294-16-8	0.010
710		? @-(2,5,8- X O E -3,6,9- X h ¾ S J B D) F 3	67963-77-3	--
711		? @-(2,5,8- X O E -3,6,9- X h ¾ S J B D) I 3	--	--
712	PFDeDA - 1 2 3	? @ N J D (PFDeDA)	307-78-8	0.010
713		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- S c @ N J D J H 3	--	--
714		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- S c @ N J D J G 3	--	--
715		9H- ? @ ¦ D (9H-PFNA)	76-21-1	0.100

(PFAS)

No.			CAS No.	MDL (mg/kg)
716	9H-PFNA - 1 2 3	2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- S c @ ¦ D H 3	--	--
717		9- j -2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- S c @ ¦ D H 3	--	--
718		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- S c @ ¦ D F 3	--	--
719		9- j ? @ ¦ D F 3	1415963-94-8	--
720		S c @ ¦ D I 3	1868-86-6	--
721		2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- S c @ ¦ D G 3	--	--
722		9- j -2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- S c @ ¦ D G 3	--	--
723	HFPDSI, 1 2 3	1,1,2,2,3,3- c @ Y B -1,3- J C Q © [(HFPDSI)	84246-29-7	0.010
724		1,1,2,2,3,3- c @ Y B -1,3- J C Q © [F 3 (HFPDSI-K)	588668-97-7	--
725		1,1,2,2,3,3- c @ Y B -1,3- J C Q © [G 3 (HFPDSI-Li)	189217-62-7	--

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	CAS No.
N-EtFOSE,	
2- (N- K E ? @ A E C Q [ ) K L (N-EtFOSE)	1691-99-2
2- (N- K E ? @ A B C Q [E) Y g D K \ (EtFOSAC) ˆˆ	423-82-5
PFOA,	
? @ A D (PFOA)	335-67-1
? @ A D K \ (Et-PFOA) ˆˆ	3108-24-5
? @ A D O \ (Me-PFOA) ˆˆ	376-27-2
8:2 FTOH,	
1H, 1H, 2H, 2H- ? @-1- N L (8:2 FTOH)	678-39-7
1H, 1H, 2H, 2H- O E Y g D ? @ N \ (8:2 FTMA)ˆˆ	1996-88-9
1H, 1H, 2H, 2H- ? @ N E Y g D \ (8:2 FTA) ˆˆ	27905-45-9
1H,1H,2H,2H- ? @ S J B E K D \ (8:2 FTOAc) ˆˆ	37858-04-1
10:2 FTOH,	
1H, 1H, 2H, 2H- ? @-1- S J B L (10:2 FTOH)	865-86-1
1H,1H,2H,2H- ? @ S J B E O E Y g D \ (10:2 FTMA) ˆˆ	2144-54-9
1H, 1H, 2H, 2H- ? @ S J B E Y g D \ (10:2 FTA)ˆˆ	17741-60-5
1H,1H,2H,2H- ? @ N E K D \ (10:2 FTOAc) ˆˆ	37858-05-2
6:2 FTOH,	
1H, 1H, 2H, 2H- ? @-1- A L (6:2 FTOH)	647-42-7
1H, 1H, 2H, 2H- ? @ A E O E Y g D \ (6:2 FTMA)ˆˆ	2144-53-8
1H, 1H, 2H, 2H- ? @ A E Y g D \ (6:2 FTA) ˆˆ	17527-29-6
MeFHxSE,	
S X @-N- (2- p E K E)-N- O E n B C Q [(MeFHxSE)	68555-75-9

(PFAS)

2-[O E[(S X@ n E)C Q E] l E]K E O E Y g D \ ^^	67584-61-6
2-[O E[(S X@ n E)C Q E] l E]Y g D K \ (N-MeFHSEA) ^^	67584-57-0
Et-FHxSE,	
N- K E -1,1,2,2,3,3,4,4,5,5,6,6,6- S X@-N-(2- p K E)-1- n C Q [(Et-FHxSE)	34455-03-3
2-[K E[(S X@ n E)C Q E] l E]K E O E Y g D \ ^^	67906-70-1
PFHpA,	
? @ f D(PFHpA)	375-85-9
? @ f Q [(PFHpA-NH_2) ^^	2358-22-7
PFBA,	
? @ P D(PFBA)	375-22-4
? @ P Q [(PFBA-NH_2) ^^	662-50-0
4:2 FTOH,	
1H, 1H, 2H, 2H- ? @-1- n L (4:2 FTOH)	2043-47-2
1H, 1H, 2H, 2H- ? @ n E O E Y g D \ (4:2 FTMA)^^	1799-84-4
1H, 1H, 2H, 2H- É @ n \ (4:2 FTA) ^^	52591-27-2

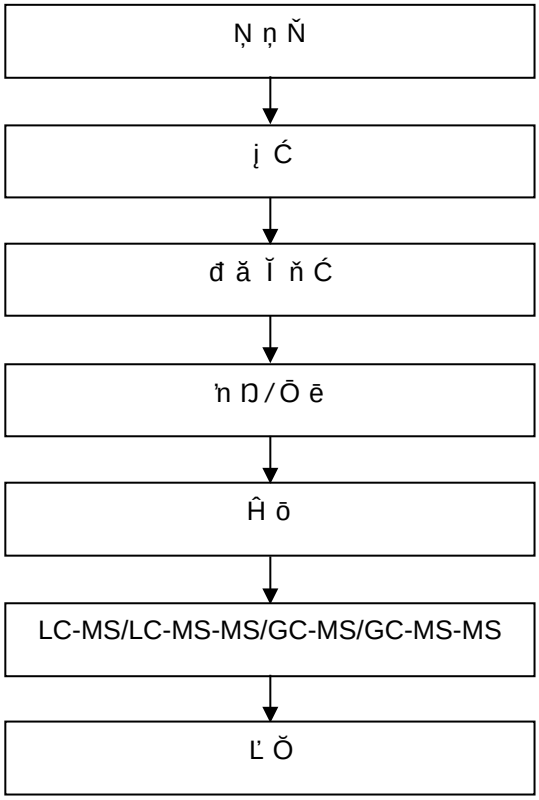
(3) Đ đ O L / { h Á H ă Ą ą Ć ć - Á w 8 Ē r ĉ ¶ ē Ĕ ě Ė ė a PFAS 8 = Ċ Ę ę Ě ě PFAS Ĉ Ĝ ĉ ĝ Ğ ğ Á w 8 5 / Ġ ġ Ģ ģ Ĥ O L /NaOH ă Ą ą Ć ĥ Ħ ħ Ĩ - ĩ Ī ī Č ģ Ĥ ă Ǐ ą Ć ǐ Ģ ! 5 Į į ċ ą Ć a İ į Ċ ģ Ĥ ă Ǐ ą Ć 5 ı IJ a GC-MS Ġ GC-MS/MS Ġ HPLC-MS/MS ħ Ĩ ij Ĵ a ĵ Ķ ķ ĸ Ĺ Í ċ ą Ć a PFAS Ċ

(4) ? @ S Ñ B D , ? @ S T B D , ? @ S É B D , ? @ J S B D , ? @ J S ¡ B D ! ĵ Ķ Ļ đ Ò Ļ Ľ ľ Ŀ a ? @ B D l· Į į Ċ

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(PFAS)

PFASs/ PFOS/PFOA



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