

56 PFAS Screening Plate Design																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
A	100µM 10µM 1µM 0.1µM 100µM 10µM 1µM 0.1µM 100µM 10µM 1µM 0.1µM	High	IPR 1		Low					High	IPR 2		Low	TAB						High	IPR 2		Low	
B		PC1	S1	S4	S7	S10	S13	S16	S19	PC3	S22	S24	S27	S30	S33	S36	S39	S42	S45	S48	S51	S54	PC2	
C		PC2	S2	S5	S8	S11	S14	S17	S20	PC1			S25	S28	S31	S34	S37	S40	S43	S46	S49	S52	S55	PC3
D		PC3	S3	S6	S9	S12	S15	S18	S21	PC2	S23	S26	S29	S32	S35	S38	S41	S44	S47	S50	S53	S56	PC1	
E		High	IPR 4		Low					High	IPR 5		Low	TAB						High	IPR 6		Low	
F																								
G																								
H																								
I																								
J																								
K																								
L																								
M																								
N																								
O																								
P																								

Postive control (PC= positive control)	36
Media	5
X% DMSO	15
samples 56 x*4	224
Intraplate Replicate (IPR)	24
TAB (50uM)	4
Total	308

Selected Intra-Plate Replicates			
0.1uM	1uM	10uM	100uM
IPR#1-S28-Perfluorooctanoic acid			
IPR#2-S8-3,3-Bis(trifluoromethyl)-2-propenoic acid			
IPR#3-S22-perfluoro-3,6,9-trioxatridecanoic acid			
IPR#4-S23-1H,1H,5H-perfluoropentanol			
IPR#5-S7-dodecafluoroheptanol			
IPR#6-S31-perfluorohexanesulfonamide			

Postive control (PC= positive control)			
0.1uM	1uM	10uM	100uM
PC1= Sotalol			
PC2= Propranolol			
PC3= Isoproterenol			

Chem ID	Individual Chemicals
S1	1-Pentafluoroethylethanol
S2	3-(Perfluoro-2-butyl)propane-1,2-diol
S3	Perfluoro-3,6-dioxoactane-1,8-dioic acid
S4	Nonafluoropentylamide
S5	3-(Perfluoroisopropyl)-2-propenoic acid
S6	Octafluoroadipamide
S7	Dodecafluoroheptanol
S8	3,3-Bis(trifluoromethyl)-2-propenoic acid
S9	Perfluoro(4-methoxybutanoic) acid
S10	Perfluorobutanesulfonic acid
S11	Perfluoro-3,6-dioxahexanoic acid
S12	Heptafluorobutanol
S13	4,2-Fluorotelomer sulfonic acid
S14	Hexafluoroamylene glycol
S15	Heptafluorobutylamide
S16	Perfluoropentylamide
S17	2,2,3,3,4,4-Hexafluorobutanoic acid
S18	Ammonium perfluorooctanoate
S19	Perfluorononanoic acid
S20	2-Aminohexafluoropropan-2-ol
S21	4,2-Fluorotelomer alcohol
S22	Perfluoro-3,6,9-trioxatridecanoic acid
S23	1H,1H,5H-Perfluoropentanol
S24	8,2-Fluorotelomer alcohol
S25	Perfluorohexanoic acid
S26	6,2-Fluorotelomer alcohol
S27	Perfluorobutanoic acid
S28	Perfluorooctanoic acid

Chem ID	Individual Chemicals
S29	Potassium perfluorobutanesulfonate
S30	2H,2H,3H,3H-Perfluorooctanoic acid
S31	Perfluorohexanesulfonamide
S32	6,2-Fluorotelomer sulfonic acid
S33	8,2-Fluorotelomer sulfonic acid
S34	9-Chloro-perfluorononanoic acid
S35	Perfluoroundecanoic acid
S36	Perfluoro-4-isopropoxybutanoic acid
S37	Perfluorooctanesulfonic acid
S38	2,2,2-Trifluoroethyl perfluorobutanesulfonate
S39	Methyl perfluoro(3-(1-ethenyl)oxypropan-2-yloxy)propanoate
S40	1-(Perfluorooctyloxy)propane-2,3-diol
S41	3,3-Fluorotelomer carboxylic acid
S42	3-Perfluoroheptylpropanoic acid
S43	N-Methyl-N-(2-hydroxyethyl)perfluorooctanesulfonamide
S44	Perfluoroheptanoic acid
S45	Perfluoropropanoic acid
S46	Perfluoropentanoic acid
S47	6,1-Fluorotelomer alcohol
S48	Perfluorooctanilidine
S49	Perfluoro-3-methoxypropanoic acid
S50	Perfluorooctanamide
S51	Perfluorohexanesulfonic acid
S52	[(Perfluorooctyl)ethyl]phosphonic acid
S53	3H,3H-Perfluoro-2,4-hexanedione
S54	Octafluoroadipic acid
S55	Perfluorodecanoic acid
S56	Fluorinated triethylene glycol monomethyl ether