CAS	Chemical	Type of Observation	voc_status	Mutagenic	GIABS	ABS_d	C_{sat} (mg/kg)	RfD_o (mg/kg-day)	key	RfC_i (mg/m^3)	key	SFO $(mg/kg\text{-}day)^{-1}$	key	IUR $(mg/m^3)^{-1}$	key	Resident Soil (mg/kg)	resskey	Industrial Soil (mg/kg)	indskey	ResidentAir (ug/m^3)	resakey	IndustrialAir (ug/m^3)	indakey	Tap Water (ug/L)	restkey	MCL (ug/L)	Risk-based SSL (mg/kg)	slriskkey	MCL-based SSL (mg/kg)
107-13-1	Acrylonitrile	Spring 2023	V				1.10E+04	1.00E-02	A	2.00E-03	I	5.40E-01	I	6.80E-05	I	2.50E-01	c*	1.10E+00	c*	4.10E-02	c*	1.80E-01	c*	5.20E-02	c*		1.10E-05	c*	
107-13-1	Acrylonitrile	Fall 2023	V				1.10E+04	1.00E-03	H	2.00E-03	I	5.40E-01	I	6.80E-05	I	2.50E-01	c*	1.10E+00	c*	4.10E-02	c*	1.80E-01	c*	5.20E-02	c*		1.10E-05	c*	
	Acrylonitrile	Change Effect						X	X																				
7440-02-0	Nickel Soluble Salts	Spring 2023						2.00E-02	I	9.00E-05	A			2.60E-04	C	1.50E+03	n	2.20E+04	n	1.10E-02	c**	4.70E-02	c**	3.90E+02	n		2.60E+01	n	
7440-02-0	Nickel Soluble Salts	Fall 2023						2.00E-02	I	1.40E-05	C			2.60E-04	C	1.40E+03	n	1.80E+04	n	1.10E-02	c**	4.70E-02	c**	3.90E+02	n		2.60E+01	n	
	Nickel Soluble Salts	Change Effect								X	X					X		X											
62037-80-3	Ammonium perfluoro-2-methyl-3-oxahexanoate	Spring 2023						3.00E-06	D							1.90E-01	n	2.50E+00	n					6.00E-02	n		1.30E-05	n	
62037-80-3	Ammonium perfluoro-2-methyl-3-oxahexanoate	Fall 2023						3.00E-06	D							1.90E-01	n	2.50E+00	n					2.10E-02	n		2.20E-05	n	
	Ammonium perfluoro-2-methyl-3-oxahexanoate	Change Effect																						X			X		
10495-86-0	Ammonium perfluorobutanoate	Spring 2023						1.00E-03	I							6.30E+01	n	8.20E+02	n					2.00E+01	n		7.10E-03	n	
10495-86-0	Ammonium perfluorobutanoate	Fall 2023	V				2.70E+02	1.00E-03	I							7.80E+01	n	1.20E+03	ns					1.90E+01	n		6.80E-03	n	
	Ammonium perfluorobutanoate	Change Effect	X				X		.							X		X	X					X			X		
21615-47-4	Ammonium perfluorohexanoate	Spring 2023	V					5.00E-04	I							3.90E+01	n	5.80E+02	n					7.20E+00	n		1.70E-02	n	
21615-47-4	Ammonium perfluorohexanoate	Fall 2023						5.00E-04	I							3.20E+01	n	4.10E+02	n					7.20E+00	n		1.70E-03	n	
	Ammonium perfluorohexanoate	Change Effect	X													X		X									X		
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	Spring 2023	V					3.00E-06	D							2.30E-01	n	3.50E+00	n					6.00E-02	n				
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-DA)	Fall 2023	V				1.90E+06	3.00E-06	D							2.30E-01	n	3.50E+00	n					1.50E-02	n		1.50E-05	n	
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	Change Effect					X																	X			X	X	
45187-15-3	Perfluorobutanesulfonate	Spring 2023						3.00E-04	P							1.90E+01	n	2.50E+02	n					6.00E+00	n		1.90E-03	n	
45187-15-3	Perfluorobutanesulfonate	Fall 2023						3.00E-04	P							1.90E+01	n	2.50E+02	n					6.00E+00	n		3.00E-03	n	
	Perfluorobutanesulfonate	Change Effect																									X		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	Spring 2023						3.00E-04	P								n	2.50E+02	n					6.00E+00	n		1.90E-03	n	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	Fall 2023						3.00E-04	P								n	2.50E+02	n					6.00E+00	n		3.00E-03	n	
	Perfluorobutanesulfonic acid (PFBS)	Change Effect																									X		
45048-62-2	Perfluorobutanoate	Spring 2023	V				9.30E+04	1.00E-03	I								n	1.20E+03	n					1.80E+01	n		6.70E-03	n	
45048-62-2	Perfluorobutanoate	Fall 2023	V				2.60E+03	1.00E-03	I								n	1.20E+03	n					1.80E+01	n		6.30E-03	n	
	Perfluorobutanoate	Change Effect					X																				X		
92612-52-7	Perfluorohexanoate	Spring 2023	V				6.80E+03	5.00E-04	I								n	5.80E+02	n					6.10E+00	n		1.40E-02	n	
92612-52-7	Perfluorohexanoate	Fall 2023						5.00E-04	I								n	4.10E+02	n					6.10E+00	n		1.50E-03	n	
	Perfluorohexanoate	Change Effect	X				X											X									X		
45298-90-6	Perfluorooctanesulfonate	Spring 2023						2.00E-06	A								n	1.60E+00	n					4.00E-02	n		3.80E-05	n	
45298-90-6	Perfluorooctanesulfonate	Fall 2023						2.00E-06	A								n	1.60E+00	n					4.00E-02	n		3.10E-04	n	
	Perfluorooctanesulfonate	Change Effect																									X		
2966-54-3	Potassium heptafluorobutanoate	Spring 2023	V				1.10E+05	2.00E-03	I								n	2.30E+03	n					3.80E+01	n		1.40E-02	n	
2966-54-3	Potassium heptafluorobutanoate	Fall 2023	V				9.60E+04	2.00E-03	I								n	2.30E+03	n					3.80E+01	n		1.30E-02	n	
	Potassium heptafluorobutanoate	Change Effect					X																				X		
	Potassium salts of inorganic phosphates	Spring 2023						1.00E+00	P								n	8.20E+05	nm					2.00E+04	n				
E524680403	Potassium salts of inorganic phosphates	Fall 2023						1.00E+00	P								n	1.20E+06	nm					2.00E+04	n				
X	Potassium salts of inorganic phosphates	Change Effect																X										.	
2218-54-4	Sodium perfluorobutanoate	Spring 2023	V				1.00E+05	1.00E-03	I								n	1.20E+03	n					1.80E+01	n		6.80E-03	n	
2218-54-4	Sodium perfluorobutanoate	Fall 2023	V				9.00E+04	1.00E-03	I								n	1.20E+03	n					1.80E+01	n		6.40E-03	n	
	Sodium perfluorobutanoate	Change Effect					X																				X		
2923-26-4	Sodium perfluorohexanoate	Spring 2023	V					5.00E-04	I								n	5.80E+02	n					1.00E+01	n		2.30E-02	n	
2923-26-4	Sodium perfluorohexanoate	Fall 2023						5.00E-04	I								n	4.10E+02	n					1.00E+01	n		2.40E-03	n	
	Sodium perfluorohexanoate	Change Effect	X															X			.		.				X		
	Sodium salts of inorganic phosphates	Spring 2023						1.00E+00	P								n	8.20E+05	nm					2.00E+04	n				
E524680404	Sodium salts of inorganic phosphates	Fall 2023						1.00E+00	P								n	1.20E+06	nm					2.00E+04	n				
X	Sodium salts of inorganic phosphates	Change Effect																X											
13776-88-0	Aluminum metaphosphate	Fall 2023						2.90E+00	X							2.30E+05	nm	3.40E+06	nm					5.90E+04	n				
E524680405	Aluminum salts of inorganic phosphates	Fall 2023						3.00E-01	X							2.30E+04	n	3.50E+05	nm					6.00E+03	n				
82113-65-3	Bis(trifluoromethylsulfonyl)amine (TFSI)	Fall 2023	V					3.00E-04	R							2.30E+01	n	3.50E+02	n					5.90E+00	n		1.90E-03	n	
16065-83-1	Chromium(III) (Soluble Compounds)	Fall 2023								6.00E-05	C					8.50E+04	n	3.60E+05	nm	6.30E-02	n	2.60E-01	n						
90076-65-6	Lithium bis[(trifluoromethyl)sulfonyl]azanide	Fall 2023	V					3.00E-04	R							2.30E+01	n	3.50E+02	n					6.00E+00	n		1.90E-03	n	
108-87-2	Methylcyclohexane	Fall 2023	V				6.80E+01			9.50E-02	X					9.80E+01	ns	4.10E+02	ns	9.90E+01	n	4.20E+02	n	2.00E+02	n		4.40E-01	n	
13530-50-2	Monoaluminum phosphate	Fall 2023						3.50E+00	X							2.80E+05	nm	4.10E+06	nm					7.10E+04	n				
307-55-1	Perfluorododecanoic acid (PFDoDA)	Fall 2023						5.00E-05	N							3.20E+00	n	4.10E+01	n					1.00E+00	n		1.70E-01	n	
16517-11-6	Perfluorooctadecanoic acid (PFODA)	Fall 2023						4.00E-02	N							2.50E+03	n	3.30E+04	n					8.00E+02	n		2.20E+02	n	
422-64-0	Perfluoropropanoic acid (PFPrA)	Fall 2023	V				1.40E+04	5.00E-04	R							3.90E+01	n	5.80E+02	n					9.80E+00	n		2.10E-03	n	
376-06-7	Perfluorotetradecanoic acid (PFTetA)	Fall 2023						1.00E-03	N							6.30E+01	n	8.20E+02	n					2.00E+01	n		9.40E+00	n	
2058-94-8	Perfluoroundecanoic acid (PFUDA)	Fall 2023						3.00E-04	N							1.90E+01	n	2.50E+02	n					6.00E+00	n		4.50E-02	n	
7784-30-7	Phosphoric acid, aluminum salt (1:1) [aluminum phosphate]	Fall 2023						1.40E+00	X							8.60E+04	n	1.10E+06	nm					2.70E+04	n				
7785-88-8	Phosphoric acid, aluminum sodium salt (1:X:X) [sodium aluminum phosphate acidic (acidic SALP)]	Fall 2023						4.30E+00	X							3.30E+05	nm	5.00E+06	nm					8.50E+04	n				
10279-59-1	Sodium aluminum phosphate (anhydrous)	Fall 2023						5.00E+00	X							3.90E+05	nm	5.80E+06	nm					1.00E+05	n				
10305-76-7	Sodium aluminum phosphate (tetrahydrate)	Fall 2023						3.50E+00	X							2.80E+05	nm	4.10E+06	nm					7.00E+04	n				
15136-87-5	Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	Fall 2023						3.30E+00	X							2.50E+05	nm	3.80E+06	nm					6.50E+04	n				
13939-25-8	Triphosphoric acid, aluminum salt (1:1) [aluminum triphosphate]	Fall 2023						3.10E+00	X							2.00E+05	nm	2.60E+06	nm					6.20E+04	n				

TR=1.0E-06
THQ=1.0