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	Resident Air (ug/m^3)	resakey	Industrial Air (ug/m^3)	indakey	Tap Water (ug/L)	restkey	MCL (ug/L)	Risk-based SSL (mg/kg)	slriskkey	MCL-based SSL (mg/kg)
15541-45-4	Bromate	Fall 2022			1			4.00E-03	I			7.00E-01	I			9.90E-01	c*	4.70E+00	c					1.10E-01	c*	10	8.50E-04	c*	7.70E-02
15541-45-4	Bromate	Spring 2023			1			4.00E-03	I			7.00E-01	I	1.40E-04	C	9.90E-01	c*	4.70E+00	c	2.00E-02	c	8.80E-02	c	1.10E-01	c*	10	8.50E-04	c*	7.70E-02
.....	Bromate	Change Effect	.	.					.		.		.		X		....		...		X..		X..		...	.....		...	
79-08-3	Bromoacetic acid	Fall 2022			1	0.10																				6.0E+01(G)			1.20E-02
79-08-3	Bromoacetic acid	Spring 2023			1	0.10		1.70E-03	C							1.10E+01	n	1.40E+02	n					3.40E+00	n	6.0E+01(G)	6.90E-04	n	1.20E-02
.....	Bromoacetic acid	Change Effect	.	.					X		.		.		.		X...		X..		...		...		X..	.....		X..	
106-94-5	Bromopropane, 1-	Fall 2022	V		1		9.70E+02			1.00E-01	A					2.20E+01	n	9.40E+01	n	1.00E+01	n	4.40E+01	n	2.10E+01	n		6.40E-03	n	
106-94-5	Bromopropane, 1-	Spring 2023	V		1		9.70E+02			1.00E-01	A			3.70E-06	C	1.60E+00	c*	7.10E+00	c*	7.60E-01	c*	3.30E+00	c*	1.50E+00	c*		4.60E-04	c*	
.....	Bromopropane, 1-	Change Effect	.	.					.		.		.		X	-2.00E+01	XX..	-8.70E+01	XX.	-9.20E+00	XX.	-4.10E+01	XX.	-2.00E+01	XX.	.....	-5.90E-03	XX.	
79-11-8	Chloroacetic Acid	Fall 2022			1	0.10																				6.0E+01(G)			1.20E-02
79-11-8	Chloroacetic Acid	Spring 2023			1	0.10		3.50E-03	C							2.20E+01	n	2.90E+02	n					7.00E+00	n	6.0E+01(G)	1.40E-03	n	1.20E-02
.....	Chloroacetic Acid	Change Effect	.	.					X		.		.		.		X...		X..		...		...		X..	.....		X..	
631-64-1	Dibromoacetic acid	Fall 2022			1	0.10																				6.0E+01(G)			1.20E-02
631-64-1	Dibromoacetic acid	Spring 2023			1	0.10		3.00E-04	C			2.50E-01	C			1.90E+00	n	9.20E+00	c**					3.10E-01	c**	6.0E+01(G)	6.30E-05	c**	1.20E-02
.....	Dibromoacetic acid	Change Effect	.	.					X		.		X		.		X...		XXX		...		...		XXX	.....		XXX	
119-90-4	Dimethoxybenzidine, 3,3'-	Fall 2022			1	0.10						1.60E+00	P			3.40E-01	c	1.40E+00	c					4.70E-02	c		5.80E-05	c	
119-90-4	Dimethoxybenzidine, 3,3'-	Spring 2023			1	0.10						1.60E+00	P	1.40E-01	C	3.30E-01	c	1.40E+00	c	2.00E-05	c	8.80E-05	c	4.70E-02	c		5.80E-05	c	
.....	Dimethoxybenzidine, 3,3'-	Change Effect	.	.					.		.		.		X	-1.00E-02	....		...		X..		X..		...	.....		...	
319-84-6	Hexachlorocyclohexane, Alpha-	Fall 2022			1	0.10		8.00E-03	A			6.30E+00	I	1.80E-03	I	8.60E-02	c	3.60E-01	c	1.60E-03	c	6.80E-03	c	7.20E-03	c		4.20E-05	c	
319-84-6	Hexachlorocyclohexane, Alpha-	Spring 2023			1	0.10						6.30E+00	I	1.80E-03	I	8.60E-02	c	3.60E-01	c	1.60E-03	c	6.80E-03	c	7.20E-03	c		4.20E-05	c	
.....	Hexachlorocyclohexane, Alpha-	Change Effect	.	.					X		.		.		.		....		...		...		...		...	.....		...	
58-89-9	Hexachlorocyclohexane, Gamma- (Lindane)	Fall 2022			1	0.04		1.00E-05	A			1.10E+00	C	3.10E-04	C	7.10E-02	n	1.00E+00	n	9.10E-03	c	4.00E-02	c	1.20E-02	n	.2	7.10E-05	n	1.20E-03
58-89-9	Hexachlorocyclohexane, Gamma- (Lindane)	Spring 2023			1	0.04		3.00E-04	I			1.10E+00	C	3.10E-04	C	5.70E-01	c**	2.50E+00	c*	9.10E-03	c	4.00E-02	c	4.20E-02	c**	.2	2.40E-04	c**	1.20E-03
.....	Hexachlorocyclohexane, Gamma- (Lindane)	Change Effect	.	.				2.90E-04	X		.		.		.	5.00E-01	XXX.	1.50E+00	XX.		...		...	3.00E-02	XXX	.....	1.70E-04	XXX	
78-83-1	Isobutyl Alcohol	Fall 2022	V		1		1.00E+04	3.00E-01	I							2.30E+03	n	3.50E+04	ns					5.90E+02	n		1.20E-01	n	
78-83-1	Isobutyl Alcohol	Spring 2023	V		1		1.00E+04	3.00E-01	I	4.00E-01	X					7.80E+02	n	4.30E+03	n	4.20E+01	n	1.80E+02	n	7.30E+01	n		1.50E-02	n	
.....	Isobutyl Alcohol	Change Effect	.	.					.		X		.		.	-1.50E+03	....	-3.10E+04	.X.		X..		X..	-5.20E+02	...	.....	-1.10E-01	...	
7664-38-2	Phosphoric Acid	Fall 2022			1					1.00E-02	I					1.40E+06	nm	6.00E+06	nm	1.00E+00	n	4.40E+00	n						
7664-38-2	Phosphoric Acid	Spring 2023			1			1.00E+00	P	1.00E-02	I					7.80E+03	n	1.10E+05	nm	1.00E+00	n	4.40E+00	n	2.00E+03	n				
.....	Phosphoric Acid	Change Effect	.	.					X		.		.		.	-1.40E+06	.X..	-5.90E+06	...		...		...		X..	.....		...	
7681-49-4	Sodium Fluoride	Fall 2022			1			5.00E-02	A	1.30E-02	C					3.90E+02	n	5.80E+03	n	1.40E+00	n	5.70E+00	n	1.00E+02	n	4000	1.50E+01	n	6.00E+02
7681-49-4	Sodium Fluoride	Spring 2023			1			5.00E-02	A	1.40E-02	C					3.90E+02	n	5.80E+03	n	1.50E+00	n	6.10E+00	n	1.00E+02	n	4000	1.50E+01	n	6.00E+02
.....	Sodium Fluoride	Change Effect	.	.					.	1.00E-03	.		.		.		....		...	1.00E-01	...	4.00E-01	...		...		.....		...	
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	Fall 2022	V		1		5.20E+01	5.00E-03	P	4.00E-01	P					2.10E+01	n	1.50E+02	ns	4.20E+01	n	1.80E+02	n	9.00E+00	n		9.80E-03	n	
E1790666	Total Petroleum Hydrocarbons (Aliphatic Low)	Spring 2023	V		1		1.10E+02	5.00E-03	P	4.00E-01	P					2.50E+01	n	1.90E+02	ns	4.20E+01	n	1.80E+02	n	2.80E+00	n		2.00E-03	n	
.....	Total Petroleum Hydrocarbons (Aliphatic Low)	Change Effect	.	.			6.00E+01		.		.		.		.	4.00E+00	....	4.00E+01	...		...		...	-6.20E+00	...	.....	-7.80E-03	...	
75-01-4	Vinyl Chloride	Fall 2022	V	M	1		3.90E+03	3.00E-03	I	8.00E-02	A	7.20E-01	I	4.40E-06	I	5.90E-02	c	1.70E+00	c*	1.70E-01	c*	2.80E+00	c*	1.90E-02	c	2	6.50E-06	c	6.90E-04
75-01-4	Vinyl Chloride	Spring 2023	V	M	1		3.90E+03	3.00E-03	I	1.00E-01	I	7.20E-01	I	4.40E-06	I	5.90E-02	c	1.70E+00	c*	1.70E-01	c*	2.80E+00	c*	1.90E-02	c	2	6.50E-06	c	6.90E-04
.....	Vinyl Chloride	Change Effect	.	.					.	2.00E-02	X		.		.		....		...		...		...		...	.....		...	
592-01-8	~Calcium Cyanide	Fall 2022			1			1.00E-03	I							7.80E+00	n	1.20E+02	n					2.00E+00	n				
592-01-8	~Calcium Cyanide	Spring 2023			1			1.00E-03	I	9.00E-03	C					7.80E+00	n	1.20E+02	n	9.40E-01	n	3.90E+00	n	2.00E+00	n				
.....	~Calcium Cyanide	Change Effect	.	.					.		X		.		.		....		...		X..		X..		...	.....		...	
1763-23-1	~Perfluorooctanesulfonic acid (PFOS)	Fall 2022			1	0.10		2.00E-06	A							1.30E-02	n	1.60E-01	n					4.00E-03	n		3.80E-06	n	
1763-23-1	~Perfluorooctanesulfonic acid (PFOS)	Spring 2023			1	0.10		2.00E-06	A							1.30E-02	n	1.60E-01	n					4.00E-03	n		3.10E-05	n	
.....	~Perfluorooctanesulfonic acid (PFOS)	Change Effect	.	.					.		.		.		.		....		...		...		...		...	.....	2.70E-05	...	
151-50-8	~Potassium Cyanide	Fall 2022			1			2.00E-03	I							1.60E+01	n	2.30E+02	n					4.00E+00	n				
151-50-8	~Potassium Cyanide	Spring 2023			1			2.00E-03	I	9.00E-03	C					1.60E+01	n	2.30E+02	n	9.40E-01	n	3.90E+00	n	4.00E+00	n				
.....	~Potassium Cyanide	Change Effect	.	.					.		X		.		.		....		...		X..		X..		...	.....		...	
2795-39-3	~Potassium perfluorooctanesulfonate	Fall 2022			1	0.10		2.00E-06	A							1.30E-02	n	1.60E-01	n					4.00E-03	n				
2795-39-3	~Potassium perfluorooctanesulfonate	Spring 2023			1	0.10		2.00E-06	A							1.30E-02	n	1.60E-01	n					4.00E-03	n		3.10E-05	n	
.....	~Potassium perfluorooctanesulfonate	Change Effect	.	.					.		.		.		.		....		...		...		...		...	.....		X..	
143-33-9	~Sodium Cyanide	Fall 2022			1			1.00E-03	I							7.80E+00	n	1.20E+02	n					2.00E+00	n	200			
143-33-9	~Sodium Cyanide	Spring 2023			1			1.00E-03	I	9.00E-03	C					7.80E+00	n	1.20E+02	n	9.40E-01	n	3.90E+00	n	2.00E+00	n	200			
.....	~Sodium Cyanide	Change Effect	.	.					.		X		.		.		....		...		X..		X..		...	.....		...	
10495-86-0	~Ammonium perfluorobutanoate	Spring 2023			1	0.10		1.00E-03	I							6.30E+00	n	8.20E+01	n					2.00E+00	n		7.10E-04	n	
21615-47-4	~Ammonium perfluorohexanoate	Spring 2023	V		1			5.00E-04	I							3.90E+00	n	5.80E+01	n					7.20E-01	n		1.70E-03	n	
7758-11-4	~Dipotassium phosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
7558-79-4	~Disodium phosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
7778-77-0	~Monopotassium phosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
7558-80-7	~Monosodium phosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
45048-62-2	~Perfluorobutanoate	Spring 2023	V		1		9.30E+04	1.00E-03	I							7.80E+00	n	1.20E+02	n					1.80E+00	n		6.70E-04	n	
375-22-4	~Perfluorobutanoic acid (PFBA)	Spring 2023	V		1		2.60E+03	1.00E-03	I							7.80E+00	n	1.20E+02	n					1.80E+00	n		6.50E-04	n	
92612-52-7	~Perfluorohexanoate	Spring 2023	V		1		6.80E+03	5.00E-04	I							3.90E+00	n	5.80E+01	n					6.10E-01	n		1.40E-03	n	
307-24-4	~Perfluorohexanoic acid (PFHxA)	Spring 2023			1	0.10		5.00E-04	I							3.20E+00	n	4.10E+01	n					9.90E-01	n		2.40E-04	n	
198-55-0	~Perylene	Spring 2023			1	0.13		9.00E-05	X	2.00E-06	X					5.40E-01	n	6.70E+00	n	2.10E-04	n	8.80E-04	n	1.80E-01	n		2.20E-01	n	
8017-16-1	~Polyphosphoric acid	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
2966-54-3	~Potassium heptafluorobutanoate	Spring 2023	V		1		1.10E+05	2.00E-03	I							1.60E+01	n	2.30E+02	n					3.80E+00	n		1.40E-03	n	
	~Potassium salts of inorganic phosphates	Spring 2023			1	0.10		1.00E+00	P							6.30E+03	n	8.20E+04	n					2.00E+03	n				
13845-36-8	~Potassium tripolyphosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
7758-16-9	~Sodium acid pyrophosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
10124-56-8	~Sodium hexametaphosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
2218-54-4	~Sodium perfluorobutanoate	Spring 2023	V		1		1.00E+05	1.00E-03	I							7.80E+00	n	1.20E+02	n					1.80E+00	n		6.80E-04	n	
2923-26-4	~Sodium perfluorohexanoate	Spring 2023	V		1			5.00E-04	I							3.90E+00	n	5.80E+01	n					1.00E+00	n		2.30E-03	n	
68915-31-1	~Sodium polyphosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
	~Sodium salts of inorganic phosphates	Spring 2023			1	0.10		1.00E+00	P							6.30E+03	n	8.20E+04	n					2.00E+03	n				
7785-84-4	~Sodium trimetaphosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
7758-29-4	~Sodium tripolyphosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
7320-34-5	~Tetrapotassium phosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
7722-88-5	~Tetrasodium pyrophosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
7778-53-2	~Tripotassium phosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				
7601-54-9	~Trisodium phosphate	Spring 2023			1			1.00E+00	P							7.80E+03	n	1.20E+05	nm					2.00E+03	n				