CAS	Chemical	Type of Observation	vol	mutagen	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 $(ug/m^3)^{-1}$	key	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
7440-36-0	Antimony (metallic)	Fall 2019			0.15			4.00E-04	I							3.10E+00	n	4.70E+01	n					7.80E-01	n	6	3.50E-02	n	2.70E-01
7440-36-0	Antimony (metallic)	Spring 2020			0.15			4.00E-04	I	3.00E-04	A					3.10E+00	n	4.70E+01	n	3.10E-02	n	1.30E-01	n	7.80E-01	n	6	3.50E-02	n	2.70E-01
.	Antimony (metallic)	Change Effect	.	.					.		X		.		.		.		.		X		X		.		.		.	
12789-03-6	Chlordane	Fall 2019	V		1	0.04		5.00E-04	I	7.00E-04	I	3.50E-01	I	1.00E-04	I	1.70E+00	c**	7.70E+00	c**	2.80E-02	c**	1.20E-01	c**	2.00E-02	c**	2	2.70E-03	c**	2.70E-01
12789-03-6	Chlordane (technical mixture)	Spring 2020	V		1	0.04		5.00E-04	I	7.00E-04	I	3.50E-01	I	1.00E-04	I	1.70E+00	c**	7.70E+00	c**	2.80E-02	c**	1.20E-01	c**	2.00E-02	c**	2	2.70E-03	c**	2.70E-01
1897-45-6	Chlorothalonil	Fall 2019			1	0.1		1.50E-02	I			3.10E-03	C	8.90E-07	C	9.50E+01	n	7.40E+02	c**	3.20E+00	c	1.40E+01	c	2.20E+01	c**		5.00E-02	c**	
1897-45-6	Chlorothalonil	Spring 2020			1	0.1		1.50E-02	I			1.70E-02	C			3.20E+01	c**	1.40E+02	c**					4.00E+00	c**		9.00E-03	c**	
.	Chlorothalonil	Change Effect	.	.					.		.	1.40E-02	.		X	-6.30E+01	XXX.	-6.00E+02	.		X		X	-1.80E+01	.	.	-4.10E-02	.	
8007-45-2	Coke Oven Emissions	Fall 2019	V	M	1									6.20E-04	I					1.60E-03	c	2.00E-02	c						
E649830	Coke Oven Emissions	Spring 2020	V	M	1									6.20E-04	I					1.60E-03	c	2.00E-02	c						
XXXXXXXXX	Coke Oven Emissions	Change Effect	.	.					.		.		.		.		.		.		.		.		.	.		.	
35572-78-2	Dinitrotoluene, 2-Amino-4,6-	Fall 2019			1	6		2.00E-03	G							1.50E+01	n	2.30E+02	n					3.90E+00	n		3.00E-03	n	
35572-78-2	Dinitrotoluene, 2-Amino-4,6-	Spring 2020			1	6		1.00E-04	X							7.70E-01	n	1.10E+01	n					1.90E-01	n		1.50E-04	n	
.	Dinitrotoluene, 2-Amino-4,6-	Change Effect	.	.				-1.90E-03	X		.		.		.	-1.40E+01		-2.20E+02	.		.		.	-3.70E+00	.	.	-2.90E-03	.	
19406-51-0	Dinitrotoluene, 4-Amino-2,6-	Fall 2019			1	9		2.00E-03	G							1.50E+01	n	2.30E+02	n					3.90E+00	n		3.00E-03	n	
19406-51-0	Dinitrotoluene, 4-Amino-2,6-	Spring 2020			1	9		1.00E-04	X							7.70E-01	n	1.10E+01	n					1.90E-01	n		1.50E-04	n	
.	Dinitrotoluene, 4-Amino-2,6-	Change Effect	.	.				-1.90E-03	X		.		.		.	-1.40E+01		-2.20E+02	.		.		.	-3.70E+00	.	.	-2.90E-03	.	
1937-37-7	Direct Black 38	Fall 2019			1	0.1						7.10E+00	C	1.40E-01	C	7.60E-02	c	3.20E-01	c	2.00E-05	c	8.80E-05	c	1.10E-02	c		5.30E+00	c	
1937-37-7	Direct Black 38	Spring 2020			1	0.1						7.40E+00	C	2.10E-03	C	7.30E-02	c	3.10E-01	c	1.30E-03	c	5.80E-03	c	1.10E-02	c		5.10E+00	c	
.	Direct Black 38	Change Effect	.	.					.		.	3.00E-01	.	-1.40E-01	.	-3.00E-03		-1.00E-02	.	1.30E-03	.	5.70E-03	.	.		.	.	-2.00E-01	.	
2602-46-2	Direct Blue 6	Fall 2019			1	0.1						7.40E+00	C	1.40E-01	C	7.30E-02	c	3.10E-01	c	2.00E-05	c	8.80E-05	c	1.10E-02	c		1.70E+01	c	
2602-46-2	Direct Blue 6	Spring 2020			1	0.1						7.40E+00	C	2.10E-03	C	7.30E-02	c	3.10E-01	c	1.30E-03	c	5.80E-03	c	1.10E-02	c		1.70E+01	c	
.	Direct Blue 6	Change Effect	.	.					.		.		.	-1.40E-01	.				.	1.30E-03	.	5.70E-03	.	.		.	.		.	
16071-86-6	Direct Brown 95	Fall 2019			1	0.1						6.70E+00	C	1.40E-01	C	8.10E-02	c	3.40E-01	c	2.00E-05	c	8.80E-05	c	1.20E-02	c		1.60E-01	c	
16071-86-6	Direct Brown 95	Spring 2020			1	0.1						6.70E+00	C	1.90E-03	C	8.10E-02	c	3.40E-01	c	1.50E-03	c	6.50E-03	c	1.20E-02	c		1.60E-01	c	
.	Direct Brown 95	Change Effect	.	.					.		.		.	-1.40E-01	.				.	1.50E-03	.	6.40E-03	.	.		.	.		.	
4035-89-6	Hexamethylene diisocyanate biuret	Spring 2020			1	0.1				4.00E-04	C					5.70E+04	n	2.40E+05	nm	4.20E-02	n	1.80E-01	n						
3779-63-3	Hexamethylene diisocyanate isocyanurate	Spring 2020			1	0.1				4.00E-04	C					5.70E+04	n	2.40E+05	nm	4.20E-02	n	1.80E-01	n						
	Hexane, Commercial	Spring 2020	V		1		1.40E+02			6.00E-01	P			2.00E-07	X	1.20E+01	c**	5.10E+01	c**	1.40E+01	c**	6.10E+01	c**	2.80E+01	c**		2.00E-01	c**	
104-76-7	Hexanol, 1-,2-ethyl- (2-Ethyl-1-hexanol)	Fall 2019	V		1		6.50E+02	7.00E-02	P	4.00E-04	P	9.50E-03	P			2.30E+00	n	9.70E+00	n	4.20E-02	n	1.80E-01	n	8.30E-02	n		3.40E-05	n	
104-76-7	Hexanol, 1-,2-ethyl- (2-Ethyl-1-hexanol)	Spring 2020	V		1		2.70E+02	7.00E-02	P	4.00E-04	P	9.50E-03	P			1.50E+00	n	6.30E+00	n	4.20E-02	n	1.80E-01	n	8.30E-02	n		2.30E-05	n	
.	Hexanol, 1-,2-ethyl- (2-Ethyl-1-hexanol)	Change Effect	.	.			-3.70E+02		.		.		.		.	-8.00E-01		-3.40E+00	.		.		.		.	.		.	
99-59-2	Methoxy-5-nitroaniline, 2-	Fall 2019			1	0.1						4.90E-02	C	1.40E-05	C	1.10E+01	c	4.70E+01	c	2.00E-01	c	8.80E-01	c	1.50E+00	c		5.30E-04	c	
99-59-2	Methoxy-5-nitroaniline, 2-	Spring 2020			1	0.1						4.90E-02	C			1.10E+01	c	4.70E+01	c					1.50E+00	c		5.30E-04	c	
.	Methoxy-5-nitroaniline, 2-	Change Effect	.	.					.		.		.		X				.		X		X		.		.		.	
373-02-4	Nickel Acetate	Fall 2019			1	0.1		1.10E-02	C	1.40E-05	C			2.60E-04	C	6.70E+01	n	8.10E+02	n	1.50E-03	n	6.10E-03	n	2.20E+01	n		4.50E-03	n	
373-02-4	Nickel Acetate	Spring 2020			1	0.1		1.10E-02	C	1.40E-05	C	9.10E-01	C	2.60E-04	C	6.00E-01	c	2.50E+00	c	1.50E-03	n	6.10E-03	n	8.60E-02	c		1.70E-05	c	
.	Nickel Acetate	Change Effect	.	.					.		.		X		.	-6.60E+01	X.	-8.10E+02	X		.		.	-2.20E+01	X	.	-4.50E-03	X	
3333-67-3	Nickel Carbonate	Fall 2019			1	0.1		1.10E-02	C	1.40E-05	C			2.60E-04	C	6.70E+01	n	8.10E+02	n	1.50E-03	n	6.10E-03	n	2.20E+01	n				
3333-67-3	Nickel Carbonate	Spring 2020			1	0.1		1.10E-02	C	1.40E-05	C	9.10E-01	C	2.60E-04	C	6.00E-01	c	2.50E+00	c	1.50E-03	n	6.10E-03	n	8.60E-02	c				
.	Nickel Carbonate	Change Effect	.	.					.		.		X		.	-6.60E+01	X.	-8.10E+02	X		.		.	-2.20E+01	X	.		.	
13463-39-3	Nickel Carbonyl	Fall 2019	V		1			1.10E-02	C	1.40E-05	C			2.60E-04	C	8.20E+01	n	1.10E+03	n	1.50E-03	n	6.10E-03	n	2.90E-03	n				
13463-39-3	Nickel Carbonyl	Spring 2020	V		1			1.10E-02	C	1.40E-05	C	9.10E-01	C	2.60E-04	C	7.60E-01	c	3.60E+00	c	1.50E-03	n	6.10E-03	n	2.90E-03	n				
.	Nickel Carbonyl	Change Effect	.	.					.		.		X		.	-8.10E+01	X.	-1.10E+03	X		.		.		.	.		.	
12054-48-7	Nickel Hydroxide	Fall 2019			0.04			1.10E-02	C	1.40E-05	C			2.60E-04	C	8.20E+01	n	1.10E+03	n	1.50E-03	n	6.10E-03	n	2.00E+01	n				
12054-48-7	Nickel Hydroxide	Spring 2020			0.04			1.10E-02	C	1.40E-05	C	9.10E-01	C	2.60E-04	C	7.60E-01	c	3.60E+00	c	1.50E-03	n	6.10E-03	n	7.60E-02	c				
.	Nickel Hydroxide	Change Effect	.	.					.		.		X		.	-8.10E+01	X.	-1.10E+03	X		.		.	-2.00E+01	X	.		.	
1313-99-1	Nickel Oxide	Fall 2019			0.04			1.10E-02	C	2.00E-05	C			2.60E-04	C	8.40E+01	n	1.20E+03	n	2.10E-03	n	8.80E-03	n	2.00E+01	n				
1313-99-1	Nickel Oxide	Spring 2020			0.04			1.10E-02	C	2.00E-05	C	9.10E-01	C	2.60E-04	C	7.60E-01	c	3.60E+00	c	2.10E-03	n	8.80E-03	n	7.60E-02	c				
.	Nickel Oxide	Change Effect	.	.					.		.		X		.	-8.30E+01	X.	-1.20E+03	X		.		.	-2.00E+01	X	.		.	
E715532	Nickel Refinery Dust	Fall 2019			0.04			1.10E-02	C	1.40E-05	C			2.40E-04	I	8.30E+01	n	1.10E+03	n	1.50E-03	n	6.10E-03	n	2.20E+01	n		3.20E+00	n	
E715532	Nickel Refinery Dust	Spring 2020			0.04			1.10E-02	C	1.40E-05	C	9.10E-01	C	2.40E-04	I	7.60E-01	c	3.60E+00	c	1.50E-03	n	6.10E-03	n	8.30E-02	c		1.30E-02	c	
.	Nickel Refinery Dust	Change Effect	.	.					.		.		X		.	-8.22E+01	X.	-1.10E+03	X		.		.	-2.19E+01	X	.	-3.19E+00	X	
1271-28-9	Nickelocene	Fall 2019			1	0.1		1.10E-02	C	1.40E-05	C			2.60E-04	C	6.70E+01	n	8.10E+02	n	1.50E-03	n	6.10E-03	n	2.20E+01	n				
1271-28-9	Nickelocene	Spring 2020			1	0.1		1.10E-02	C	1.40E-05	C	9.10E-01	C	2.60E-04	C	6.00E-01	c	2.50E+00	c	1.50E-03	n	6.10E-03	n	8.60E-02	c				
.	Nickelocene	Change Effect	.	.					.		.		X		.	-6.60E+01	X.	-8.10E+02	X		.		.	-2.20E+01	X	.		.	
59536-65-1	Polybrominated Biphenyls	Fall 2019			1	0.1		7.00E-06	H			3.00E+01	C	8.60E-03	C	1.80E-02	c**	7.70E-02	c**	3.30E-04	c	1.40E-03	c	2.60E-03	c**				
36355-01-8	Polybrominated Biphenyls	Spring 2020			1	0.1		7.00E-06	H			3.00E+01	C	8.60E-03	C	1.80E-02	c**	7.70E-02	c**	3.30E-04	c	1.40E-03	c	2.60E-03	c**				
XXXXX.XX.X	Polybrominated Biphenyls	Change Effect	.	.					.		.		.		.		.		.		.		.		.	.		.	
132-64-9	~Dibenzofuran	Fall 2019	V		1	0.03		1.00E-03	X							7.30E+00	n	1.00E+02	n					7.90E-01	n		1.50E-02	n	
132-64-9	~Dibenzofuran	Spring 2020	V		1			1.00E-03	X							7.80E+00	n	1.20E+02	n					7.90E-01	n		1.50E-02	n	
.	~Dibenzofuran	Change Effect	.	.					.		.		.		.	5.00E-01		2.00E+01	.		.		.		.	.		.	
110-00-9	~Furan	Fall 2019	V		1	0.03	6.20E+03	1.00E-03	I							7.30E+00	n	1.00E+02	n					1.90E+00	n		7.30E-04	n	
110-00-9	~Furan	Spring 2020	V		1		6.20E+03	1.00E-03	I							7.80E+00	n	1.20E+02	n					1.90E+00	n		7.30E-04	n	
.	~Furan	Change Effect	.	.					.		.		.		.	5.00E-01		2.00E+01	.		.		.		.	.		.	
301-04-2	~Lead acetate	Fall 2019			1	0.1						8.50E-03	C	1.20E-05	C	6.40E+01	c	2.70E+02	c	2.30E-01	c	1.00E+00	c	9.20E+00	c		1.80E-03	c	
301-04-2	~Lead acetate	Spring 2020			1	0.1						2.10E-01	C	8.00E-05	C	2.60E+00	c	1.10E+01	c	3.50E-02	c	1.50E-01	c	3.70E-01	c		7.50E-05	c	
.	~Lead acetate	Change Effect	.	.					.		.	2.00E-01	.		.	-6.10E+01		-2.60E+02	.	-2.00E-01	.	-8.50E-01	.	-8.80E+00	.	.	-1.70E-03	.	
1335-32-6	~Lead subacetate	Fall 2019			1	0.1						8.50E-03	C	1.20E-05	C	6.40E+01	c	2.70E+02	c	2.30E-01	c	1.00E+00	c	9.20E+00	c		2.00E-03	c	
1335-32-6	~Lead subacetate	Spring 2020			1	0.1						3.80E-02	C	1.10E-05	C	1.40E+01	c	6.00E+01	c	2.60E-01	c	1.10E+00	c	2.10E+00	c		4.50E-04	c	
.	~Lead subacetate	Change Effect	.	.					.		.	3.00E-02	.		.	-5.00E+01		-2.10E+02	.	3.00E-02	.	1.00E-01	.	-7.10E+00	.	.	-1.60E-03	.	

CAS	Chemical	Type of Observation	vol	mutagen	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)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m^3)	key	Industrial Air (ug/m^3)	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	key	MCL-based SSL (mg/kg)
91-20-3	~Naphthalene	Fall 2019	V		1	0.1		2.00E-02	I	3.00E-03	I			3.40E-05	C	3.80E+00	c**	1.70E+01	c**	8.30E-02	c**	3.60E-01	c**	1.70E-01	c**		5.40E-04	c**	
91-20-3	~Naphthalene	Spring 2020	V		1	0.1		2.00E-02	I	3.00E-03	I	1.20E-01	C	3.40E-05	C	2.00E+00	c**	8.60E+00	c**	8.30E-02	c**	3.60E-01	c**	1.20E-01	c**		3.80E-04	c**	
.	~Naphthalene	Change Effect	.	.					.		.		X		.	-1.80E+00		-8.40E+00	.		.		.	-5.00E-02	.	.	-1.60E-04	.	
109-99-9	~Tetrahydrofuran	Fall 2019	V		1	0.03	1.70E+05	9.00E-01	I	2.00E+00	I					1.80E+03	n	9.40E+03	n	2.10E+02	n	8.80E+02	n	3.40E+02	n		7.50E-02	n	
109-99-9	~Tetrahydrofuran	Spring 2020	V		1		1.70E+05	9.00E-01	I	2.00E+00	I					1.80E+03	n	9.50E+03	n	2.10E+02	n	8.80E+02	n	3.40E+02	n		7.50E-02	n	
.	~Tetrahydrofuran	Change Effect	.	.					.		.		.		.			1.00E+02	.		.		.		.	.		.	