

CAS	Chemical	Type of Observation	v o l	muta- gen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k e y	RfCi (mg/m3)	k e y	SFO (mg/kg-day) <sup>1</sup>	k e y	IUR (ug/m3) <sup>1</sup>	k e y	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key	Resident Air (ug/m <sup>3</sup> )	key	Industrial Air (ug/m <sup>3</sup> )	key	Tapwater (ug/L)	key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)	
121-82-4	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	Spring 2018			1.00	0.02		0.003 I				0.11 I				6.1 c**		28 c*						0.7 c**			0.00027		
121-82-4	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	Fall 2018			1.00	0.02		0.004 I				0.08 I				8.3 c**		38 c*						0.97 c**			0.00037		
	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	Change Effect						0.001				-0.03				2.2		10						0.27					
7439-91-0	Lanthanum	Fall 2018			1.00			0.00005 P								0.39 n		5.8 n						0.1 n					
100587-90-4	Lanthanum Acetate Hydrate	Fall 2018			1.00	0.10		0.000021 P								0.13 n		1.7 n						0.042 n					
10025-84-0	Lanthanum Chloride Heptahydrate	Fall 2018			1.00			0.000019 P								0.15 n		2.2 n						0.037 n					
10099-58-8	Lanthanum Chloride, Anhydrous	Fall 2018			1.00			0.000028 P								0.22 n		3.3 n						0.057 n					
10277-43-7	Lanthanum Nitrate Hexahydrate	Fall 2018			1.00			0.000016 P								0.13 n		1.9 n						0.032 n					
75-44-5	Phosgene	Spring 2018	V		1.00		1610			0.0003 I						0.031 n		0.13 n		0.031 n		0.13 n							
75-44-5	Phosgene	Fall 2018	V		1.00		1610			0.0003 I						0.031 n		0.13 n		0.031 n		0.13 n		0.063 n			0.000016		
	Phosgene	Change Effect																						X					
23950-58-5	Pronamide	Fall 2018			1.00	0.10		0.075 I								470 n		6200 n						120 n				0.12	
23950-58-5	Propylamide	Spring 2018			1.00	0.10		0.075 I								470 n		6200 n						120 n				0.12	
E715557	Refractory Ceramic Fibers	Spring 2018			1.00					0.03 A						43000000 nm		180000000 nm		31 n		130 n							
E715557	Refractory Ceramic Fibers (units in fibers)	Fall 2018			1.00					0.03 A										31 S		130 S							
7681-49-4	Sodium Fluoride	Spring 2018			1.00			0.05 A		0.013 C						390 n		5800 n		1.4 n		5.7 n		100 n	4000				
7681-49-4	Sodium Fluoride	Fall 2018			1.00			0.05 A		0.013 C						390 n		5800 n		1.4 n		5.7 n		100 n	4000		15	600	
	Sodium Fluoride	Change Effect																											
540-88-5	Tert-Butyl Acetate	Fall 2018	V		1.00	0.10						0.005 C		0 C		8 c		35 c		2.2 c		9.4 c		3.3 c			0.00076		
8001-35-2	Toxaphene	Spring 2018			1.00	0.10					1.1 I		0.00032 I			0.49 c		2.1 c		0.0088 c		0.038 c		0.071 c	3		0.011	0.46	
8001-35-2	Toxaphene	Fall 2018			1.00	0.10		0.00009 P			1.1 I		0.00032 I			0.49 c**		2.1 c**		0.0088 c		0.038 c		0.071 c**	3		0.011	0.46	
	Toxaphene	Change Effect						X								.XX		.XX					.XX						
E1841606	Toxaphene, Weathered	Fall 2018			1.00	0.10		0.00003 X								0.19 n		2.5 n						0.06 n			0.0093		
39635-31-9	~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	Spring 2018	V		1.00	0.14		0.000023 E		0.0013 E		3.9 E		0.0011 E		0.13 c**		0.52 c**		0.0025 c*		0.011 c*		0.004 c*			0.0028		
39635-31-9	~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	Fall 2018	V		1.00	0.14		0.000023 W		0.0013 W		3.9 W		0.0011 W		0.13 c**		0.52 c**		0.0025 c*		0.011 c*		0.004 c*			0.0028		
	~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	Change Effect						X		X		X		X															
52663-72-6	~Hexachlorobiphenyl, 2,3,4,4',5,5'- (PCB 167)	Spring 2018	V		1.00	0.14		0.000023 E		0.0013 E		3.9 E		0.0011 E		0.12 c**		0.51 c**		0.0025 c*		0.011 c*		0.004 c*			0.0017		
52663-72-6	~Hexachlorobiphenyl, 2,3,4,4',5,5'- (PCB 167)	Fall 2018	V		1.00	0.14		0.000023 W		0.0013 W		3.9 W		0.0011 W		0.12 c**		0.51 c**		0.0025 c*		0.011 c*		0.004 c*			0.0017		
	~Hexachlorobiphenyl, 2,3,4,4',5,5'- (PCB 167)	Change Effect						X		X		X		X															
69782-90-7	~Hexachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 157)	Spring 2018	V		1.00	0.14		0.000023 E		0.0013 E		3.9 E		0.0011 E		0.12 c**		0.5 c**		0.0025 c*		0.011 c*		0.004 c*			0.0017		
69782-90-7	~Hexachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 157)	Fall 2018	V		1.00	0.14		0.000023 W		0.0013 W		3.9 W		0.0011 W		0.12 c**		0.5 c**		0.0025 c*		0.011 c*		0.004 c*			0.0017		
	~Hexachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 157)	Change Effect						X		X		X		X															
38380-08-4	~Hexachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 156)	Spring 2018	V		1.00	0.14		0.000023 E		0.0013 E		3.9 E		0.0011 E		0.12 c**		0.5 c**		0.0025 c*		0.011 c*		0.004 c*			0.0017		
38380-08-4	~Hexachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 156)	Fall 2018	V		1.00	0.14		0.000023 W		0.0013 W		3.9 W		0.0011 W		0.12 c**		0.5 c**		0.0025 c*		0.011 c*		0.004 c*			0.0017		
	~Hexachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 156)	Change Effect						X		X		X		X															
32774-16-6	~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	Spring 2018	V		1.00	0.14		0 E		0 E		3900 E		1.1 E		0.00012 c**		0.00051 c**		0 c*		0.000011 c*		0 c*			0		
32774-16-6	~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	Fall 2018	V		1.00	0.14		0 W		0 W		3900 W		1.1 W		0.00012 c**		0.00051 c**		0 c*		0.000011 c*		0 c*			0		
	~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	Change Effect						X		X		X		X															
65510-44-3	~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	Spring 2018	V		1.00	0.14		0.000023 E		0.0013 E		3.9 E		0.0011 E		0.12 c**		0.49 c**		0.0025 c*		0.011 c*		0.004 c*			0.001		
65510-44-3	~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	Fall 2018	V		1.00	0.14		0.000023 W		0.0013 W		3.9 W		0.0011 W		0.12 c**		0.49 c**		0.0025 c*		0.011 c*		0.004 c*			0.001		
	~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	Change Effect						X		X		X		X															
31508-00-6	~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	Spring 2018	V		1.00	0.14		0.000023 E		0.0013 E		3.9 E		0.0011 E		0.12 c**		0.49 c**		0.0025 c*		0.011 c*		0.004 c*			0.001		
31508-00-6	~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	Fall 2018	V		1.00	0.14		0.000023 W		0.0013 W		3.9 W		0.0011 W		0.12 c**		0.49 c**		0.0025 c*		0.011 c*		0.004 c*			0.001		
	~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	Change Effect						X		X		X		X															
32598-14-4	~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	Spring 2018	V		1.00	0.14		0.000023 E		0.0013 E		3.9 E		0.0011 E		0.12 c**		0.49 c**		0.0025 c*		0.011 c*		0.004 c*			0.001		
32598-14-4	~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	Fall 2018	V		1.00	0.14		0.000023 W		0.0013 W		3.9 W		0.0011 W		0.12 c**		0.49 c**		0.0025 c*		0.011 c*		0.004 c*			0.001		
	~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	Change Effect						X		X		X		X															
74472-37-0	~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	Spring 2018	V		1.00	0.14		0.000023 E		0.0013 E		3.9 E		0.0011 E		0.12 c**		0.5 c**		0.0025 c*		0.011 c*		0.004 c*			0.001		
74472-37-0	~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	Fall 2018	V		1.00	0.14		0.000023 W		0.0013 W		3.9 W		0.0011 W		0.12 c**		0.5 c**		0.0025 c*		0.011 c*		0.004 c*			0.001		
	~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	Change Effect						X		X		X		X															
57465-28-8	~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	Spring 2018	V																										