CAS	Chemical	Type of Observation	v	o	c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k	e	y_2	RfCi (mg/m3)	k	e	y_3	SFO (mg/kg-day)$^{-1}$	k	e	y	IUR (ug/m3)$^{-1}$	k	e	y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
30560-19-1	Acephate	Winter 2015					1	0.1		0.004	I							0.0087	I							25	n	270	c**					8	n		0.0018	
30560-19-1	Acephate	Spring 2015					1	0.1		0.004	I							0.0087	I							25	n	260	c**					8	n		0.0018	
.	Acephate	Change																										-10										
34256-82-1	Acetochlor	Winter 2015					1	0.1		0.02	I															120	n	1600	n					35	n		0.028	
34256-82-1	Acetochlor	Spring 2015					1	0.1		0.02	I															130	n	1600	n					35	n		0.028	
.	Acetochlor	Change																								10												
53-96-3	Acetylaminofluorene, 2-	Winter 2015					1	0.1										3.8	C			0.0013	C			0.14	c	0.61	c	0.0022	c	0.0094	c	0.016	c		0.000072	
53-96-3	Acetylaminofluorene, 2-	Spring 2015					1	0.1										3.8	C			0.0013	C			0.14	c	0.6	c	0.0022	c	0.0094	c	0.016	c		0.000072	
.	Acetylaminofluorene, 2-	Change																										-0.01										
79-10-7	Acrylic Acid	Winter 2015					1	0.1		0.5	I			0.001	I											3000	n	39000	n	0.1	n	0.44	n	990	n		0.2	
79-10-7	Acrylic Acid	Spring 2015	V				1		109000	0.5	I			0.001	I											9.9	n	42	n	0.1	n	0.44	n	0.21	n		0.000042	
.	Acrylic Acid	Change	X																							-2990.1		-38958						-989.79			-0.199958	
15972-60-8	Alachlor	Winter 2015					1	0.1		0.01	I							0.056	C							9.5	c**	41	c*					1	c*	2	0.00086	0.0016
15972-60-8	Alachlor	Spring 2015					1	0.1		0.01	I							0.056	C							9.7	c**	41	c*					1	c*	2	0.00086	0.0016
.	Alachlor	Change																								0.2												
116-06-3	Aldicarb	Winter 2015					1	0.1		0.001	I															6.2	n	82	n					2	n	3	0.00049	0.00075
116-06-3	Aldicarb	Spring 2015					1	0.1		0.001	I															6.3	n	82	n					2	n	3	0.00049	0.00075
.	Aldicarb	Change																								0.1												
1646-88-4	Aldicarb Sulfone	Winter 2015					1	0.1		0.001	I															6.2	n	82	n					2	n	2	0.00044	0.00044
1646-88-4	Aldicarb Sulfone	Spring 2015					1	0.1		0.001	I															6.3	n	82	n					2	n	2	0.00044	0.00044
.	Aldicarb Sulfone	Change																								0.1												
309-00-2	Aldrin	Winter 2015					1	0.1		0.00003	I							17	I			0.0049	I			0.031	c**	0.14	c*	0.00057	c	0.0025	c	0.0046	c*		0.00075	
309-00-2	Aldrin	Spring 2015	V				1			0.00003	I							17	I			0.0049	I			0.039	c**	0.18	c*	0.00057	c	0.0025	c	0.00092	c*		0.00015	
.	Aldrin	Change	X																							0.008		0.04						-0.00368			-0.0006	
74223-64-6	Ally	Winter 2015					1	0.1		0.25	I															1500	n	21000	n					490	n		0.19	
74223-64-6	Ally	Spring 2015					1	0.1		0.25	I															1600	n	21000	n					490	n		0.19	
.	Ally	Change																								100												
107-18-6	Allyl Alcohol	Winter 2015					1	0.1		0.005	I			0.0001	X											31	n	410	n	0.01	n	0.044	n	10	n		0.002	
107-18-6	Allyl Alcohol	Spring 2015	V				1		111000	0.005	I			0.0001	X											0.35	n	1.5	n	0.01	n	0.044	n	0.021	n		0.0000042	
.	Allyl Alcohol	Change	X																							-30.65		-408.5						-9.979			-0.0019958	
67485-29-4	Amdro	Winter 2015					1	0.1		0.0003	I															1.8	n	25	n					0.59	n		210	
67485-29-4	Amdro	Spring 2015					1	0.1		0.0003	I															1.9	n	25	n					0.59	n		210	
.	Amdro	Change																								0.1												
834-12-8	Ametryn	Winter 2015					1	0.1		0.009	I															55	n	740	n					15	n		0.016	
834-12-8	Ametryn	Spring 2015					1	0.1		0.009	I															57	n	740	n					15	n		0.016	
.	Ametryn	Change																								2												
92-67-1	Aminobiphenyl, 4-	Winter 2015					1	0.1										21	C			0.006	C			0.025	c	0.11	c	0.00047	c	0.002	c	0.003	c		0.000015	
92-67-1	Aminobiphenyl, 4-	Spring 2015					1	0.1										21	C			0.006	C			0.026	c	0.11	c	0.00047	c	0.002	c	0.003	c		0.000015	
.	Aminobiphenyl, 4-	Change																								0.001												
591-27-5	Aminophenol, m-	Winter 2015					1	0.1		0.08	P															490	n	6600	n					160	n		0.061	
591-27-5	Aminophenol, m-	Spring 2015					1	0.1		0.08	P															510	n	6600	n					160	n		0.061	
.	Aminophenol, m-	Change																								20												
123-30-8	Aminophenol, p-	Winter 2015					1	0.1		0.02	P															120	n	1600	n					40	n		0.015	
123-30-8	Aminophenol, p-	Spring 2015					1	0.1		0.02	P															130	n	1600	n					40	n		0.015	
.	Aminophenol, p-	Change																								10												
33089-61-1	Amitraz	Winter 2015					1	0.1		0.0025	I															15	n	210	n					0.82	n		0.42	
33089-61-1	Amitraz	Spring 2015					1	0.1		0.0025	I															16	n	210	n					0.82	n		0.42	
.	Amitraz	Change																								1												
7664-41-7	Ammonia	Winter 2015					1							0.1	I															10	n	44	n						
7664-41-7	Ammonia	Spring 2015	V				1							0.1	I															10	n	44	n						
.	Ammonia	Change	X																																			
62-53-3	Aniline	Winter 2015					1	0.1		0.007	P			0.001	I			0.0057	I			0.0000016	C			43	n	410	c**	0.1	n	0.44	n	13	c**		0.0046	
62-53-3	Aniline	Spring 2015					1	0.1		0.007	P			0.001	I			0.0057	I			0.0000016	C			44	n	400	c**	0.1	n	0.44	n	13	c**		0.0046	
.	Aniline	Change																								1		-10										
84-65-1	Anthraquinone, 9,10-	Winter 2015					1	0.1		0.002	X							0.04	P							12	n	58	c**					1.4	c**		0.014	
84-65-1	Anthraquinone, 9,10-	Spring 2015					1	0.1		0.002	X							0.04	P							13	n	57	c**					1.4	c**		0.014	
.	Anthraquinone, 9,10-	Change																								1		-1										
74115-24-5	Apollo	Winter 2015					1	0.1		0.013	I															80	n	1100	n					23	n		1.4	
74115-24-5	Apollo	Spring 2015					1	0.1		0.013	I															82	n	1100	n					23	n		1.4	
.	Apollo	Change																								2												
140-57-8	Aramite	Winter 2015					1	0.1		0.05	H							0.025	I			0.0000071	I			21	c*	92	c*	0.4	c	1.7	c	1.3	c*		0.015	
140-57-8	Aramite	Spring 2015					1	0.1		0.05	H							0.025	I			0.0000071	I			22	c*	92	c*	0.4	c	1.7	c	1.3	c*		0.015	
.	Aramite	Change																								1												
7440-38-2	Arsenic, Inorganic	Winter 2015					1	0.03		0.0003	I			0.000015	C			1.5	I			0.0043	I			0.67	c**R	3	c*R	0.00065	c**	0.0029	c**	0.052	c*	10	0.0015	0.29
7440-38-2	Arsenic, Inorganic	Spring 2015					1	0.03		0.0003	I			0.000015	C			1.5	I			0.0043	I			0.68	c**R	3	c*R	0.00065	c**	0.0029	c**	0.052	c*	10	0.0015	0.29
.	Arsenic, Inorganic	Change																								0.01												
76578-14-8	Assure	Winter 2015					1	0.1		0.009	I															55	n	740	n					12	n		0.19	
76578-14-8	Assure	Spring 2015					1	0.1		0.009	I															57	n	740	n					12	n		0.19	
.	Assure	Change																								2												
3337-71-1	Asulam	Winter 2015					1	0.1		0.05	I															310	n	4100	n					100	n		0.026	
3337-71-1	Asulam	Spring 2015					1	0.1		0.05	I															320	n	4100	n					100	n		0.026	
.	Asulam	Change																								10												
1912-24-9	Atrazine	Winter 2015					1	0.1		0.035	I							0.23	C							2.3	c*	10	c					0.3	c	3	0.00019	0.0019
1912-24-9	Atrazine	Spring 2015					1	0.1		0.035	I							0.23	C							2.4	c*	10	c					0.3	c	3	0.00019	0.0019
.	Atrazine	Change																								0.1												
492-80-8	Auramine	Winter 2015					1	0.1										0.88	C			0.00025	C			0.61	c	2.6	c	0.011	c	0.049	c	0.066	c		0.0006	
492-80-8	Auramine	Spring 2015					1	0.1										0.88	C			0.00025	C			0.62	c	2.6	c	0.011	c	0.049	c	0.066	c		0.0006	
.	Auramine	Change																								0.01												
123-77-3	Azodicarbonamide	Winter 2015					1	0.1		1	P			0.000007	P											850	n	4000	n	0.00073	n	0.0031	n	2000	n		0.68	
123-77-3	Azodicarbonamide	Spring 2015					1	0.1		1	P			0.000007	P											860	n	4000	n	0.00073	n	0.0031	n	2000	n		0.68	
.	Azodicarbonamide	Change																								10												
43121-43-3	Bayleton	Winter 2015					1	0.1		0.03	I															180	n	2500	n					55	n		0.044	
43121-43-3	Bayleton	Spring 2015					1	0.1		0.03	I															190	n	2500	n					55	n		0.044	
.	Bayleton	Change																								10												
68359-37-5	Baythroid	Winter 2015					1	0.1		0.025	I															150	n	2100	n					12	n		3.1	
68359-37-5	Baythroid	Spring 2015					1	0.1		0.025	I															160	n	2100	n					12	n		3.1	
.	Baythroid	Change																								10												
1861-40-1	Benefin	Winter 2015					1	0.1		0.3	I															1800	n	25000	n					170	n		5.6	
1861-40-1	Benefin	Spring 2015	V				1			0.3	I															2300	n	35000	n					170	n		5.6	
.	Benefin	Change	X																							500		10000										

CAS	Chemical	Type of Observation	v	o	c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	key	RfCi (mg/m3)	key_3	SFO (mg/kg-day)$^{-1}$	key	IUR (ug/m3)$^{-1}$	key_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
17804-35-2	Benomyl	Winter 2015					1	0.1		0.05	I							310	n	4100	n					97	n		0.085	
17804-35-2	Benomyl	Spring 2015					1	0.1		0.05	I							320	n	4100	n					97	n		0.085	
.	Benomyl	Change																10												
25057-89-0	Bentazon	Winter 2015					1	0.1		0.03	I							180	n	2500	n					57	n		0.012	
25057-89-0	Bentazon	Spring 2015					1	0.1		0.03	I							190	n	2500	n					57	n		0.012	
.	Bentazon	Change																10												
6369-59-1	Benzenediamine-2-methyl sulfate, 1,4-	Winter 2015					1	0.1		0.0003	X			0.1	X			1.8	n	23	c**					0.6	n		0.00017	
6369-59-1	Benzenediamine-2-methyl sulfate, 1,4-	Spring 2015					1	0.1		0.0003	X			0.1	X			1.9	n	23	c**					0.6	n		0.00017	
.	Benzenediamine-2-methyl sulfate, 1,4-	Change																0.1												
100-51-6	Benzyl Alcohol	Winter 2015					1	0.1		0.1	P							620	n	8200	n					200	n		0.048	
100-51-6	Benzyl Alcohol	Spring 2015					1	0.1		0.1	P							630	n	8200	n					200	n		0.048	
.	Benzyl Alcohol	Change																10												
141-66-2	Bidrin	Winter 2015					1	0.1		0.0001	I							0.62	n	8.2	n					0.2	n		0.000047	
141-66-2	Bidrin	Spring 2015					1	0.1		0.0001	I							0.63	n	8.2	n					0.2	n		0.000047	
.	Bidrin	Change																0.01												
42576-02-3	Bifenox	Winter 2015					1	0.1		0.009	P							55	n	740	n					10	n		0.076	
42576-02-3	Bifenox	Spring 2015					1	0.1		0.009	P							57	n	740	n					10	n		0.076	
.	Bifenox	Change																2												
82657-04-3	Biphenthrin	Winter 2015					1	0.1		0.015	I							92	n	1200	n					30	n		140	
82657-04-3	Biphenthrin	Spring 2015					1	0.1		0.015	I							95	n	1200	n					30	n		140	
.	Biphenthrin	Change																3												
111-91-1	Bis(2-chloroethoxy)methane	Winter 2015					1	0.1		0.003	P							18	n	250	n					5.9	n		0.0013	
111-91-1	Bis(2-chloroethoxy)methane	Spring 2015					1	0.1		0.003	P							19	n	250	n					5.9	n		0.0013	
.	Bis(2-chloroethoxy)methane	Change																1												
80-05-7	Bisphenol A	Winter 2015					1	0.1		0.05	I							310	n	4100	n					77	n		5.8	
80-05-7	Bisphenol A	Spring 2015					1	0.1		0.05	I							320	n	4100	n					77	n		5.8	
.	Bisphenol A	Change																10												
10294-34-5	Boron Trichloride	Winter 2015					1			2	P	0.02	P					16000	n	230000	nm	2.1	n	8.8	n	4000	n			
10294-34-5	Boron Trichloride	Spring 2015	V				1			2	P	0.02	P					16000	n	230000	nm	2.1	n	8.8	n	4.2	n			
.	Boron Trichloride	Change	X																							-3995.8				
7637-07-2	Boron Trifluoride	Winter 2015					1			0.04	C	0.013	C					310	n	4700	n	1.4	n	5.7	n	80	n			
7637-07-2	Boron Trifluoride	Spring 2015	V				1			0.04	C	0.013	C					310	n	4700	n	1.4	n	5.7	n	2.6	n			
.	Boron Trifluoride	Change	X																							-77.4				
75-25-2	Bromoform	Winter 2015					1	0.1		0.02	I			0.0079	I	0.0000011	I	67	c**	290	c**	2.6	c	11	c	9.2	c**	8.0E+01(F)	0.0024	0.021
75-25-2	Bromoform	Spring 2015	V				1		915	0.02	I			0.0079	I	0.0000011	I	19	c**	86	c*	2.6	c	11	c	3.3	c*	8.0E+01(F)	0.00087	0.021
.	Bromoform	Change	X															-48		-204	X					-5.9	X		-0.00153	
2104-96-3	Bromophos	Winter 2015					1	0.1		0.005	H							31	n	410	n					3.5	n		0.015	
2104-96-3	Bromophos	Spring 2015	V				1			0.005	H							39	n	580	n					3.5	n		0.015	
.	Bromophos	Change	X															8		170										
1689-84-5	Bromoxynil	Winter 2015					1	0.1		0.02	I							120	n	1600	n					33	n		0.028	
1689-84-5	Bromoxynil	Spring 2015					1	0.1		0.02	I							130	n	1600	n					33	n		0.028	
.	Bromoxynil	Change																10												
1689-99-2	Bromoxynil Octanoate	Winter 2015					1	0.1		0.02	I							120	n	1600	n					14	n		0.12	
1689-99-2	Bromoxynil Octanoate	Spring 2015	V				1			0.02	I							160	n	2300	n					14	n		0.12	
.	Bromoxynil Octanoate	Change	X															40		700										
71-36-3	Butanol, N-	Winter 2015					1	0.1		0.1	I							620	n	8200	n					200	n		0.041	
71-36-3	Butanol, N-	Spring 2015	V				1		7640	0.1	I							780	n	12000	ns					200	n		0.041	
.	Butanol, N-	Change	X															160		3800	.X									
85-68-7	Butyl Benzyl Phthlate	Winter 2015					1	0.1		0.2	I			0.0019	P			280	c**	1200	c*					16	c*		0.23	
85-68-7	Butyl Benzyl Phthlate	Spring 2015					1	0.1		0.2	I			0.0019	P			290	c**	1200	c*					16	c*		0.23	
.	Butyl Benzyl Phthlate	Change																10												
78-92-2	Butyl alcohol, sec-	Winter 2015					1	0.1		2	P	30	P					12000	n	160000	nm	3100	n	13000	n	4000	n		0.81	
78-92-2	Butyl alcohol, sec-	Spring 2015	V				1		21300	2	P	30	P					13000	n	150000	nms	3100	n	13000	n	2400	n		0.5	
.	Butyl alcohol, sec-	Change	X															1000		-10000	X					-1600			-0.31	
2008-41-5	Butylate	Winter 2015					1	0.1		0.05	I							310	n	4100	n					46	n		0.045	
2008-41-5	Butylate	Spring 2015	V				1			0.05	I							390	n	5800	n					46	n		0.045	
.	Butylate	Change	X															80		1700										
25013-16-5	Butylated hydroxyanisole	Winter 2015					1	0.1						0.0002	C	5.7E-08	C	2700	c	12000	c	49	c	220	c	240	c		0.45	
25013-16-5	Butylated hydroxyanisole	Spring 2015					1	0.1						0.0002	C	5.7E-08	C	2700	c	11000	c	49	c	220	c	240	c		0.45	
.	Butylated hydroxyanisole	Change																		-1000										
75-60-5	Cacodylic Acid	Winter 2015					1	0.1		0.02	A							120	n	1600	n					40	n			
75-60-5	Cacodylic Acid	Spring 2015					1	0.1		0.02	A							130	n	1600	n					40	n			
.	Cacodylic Acid	Change																10												
7440-43-9	Cadmium (Diet)	Winter 2015					0.025	0.001		0.001	I	0.00001	A			0.0018	I	7	n	98	n									
7440-43-9	Cadmium (Diet)	Spring 2015					0.025	0.001		0.001	I	0.00001	A			0.0018	I	7.1	n	98	n									
.	Cadmium (Diet)	Change																0.1												
133-06-2	Captan	Winter 2015					1	0.1		0.13	I			0.0023	C	0.00000066	C	230	c**	1000	c*	4.3	c	19	c	31	c**		0.022	
133-06-2	Captan	Spring 2015					1	0.1		0.13	I			0.0023	C	0.00000066	C	240	c**	1000	c*	4.3	c	19	c	31	c**		0.022	
.	Captan	Change																10												
63-25-2	Carbaryl	Winter 2015					1	0.1		0.1	I							620	n	8200	n					180	n		0.17	
63-25-2	Carbaryl	Spring 2015					1	0.1		0.1	I							630	n	8200	n					180	n		0.17	
.	Carbaryl	Change																10												
1563-66-2	Carbofuran	Winter 2015					1	0.1		0.005	I							31	n	410	n					9.4	n	40	0.0037	0.016
1563-66-2	Carbofuran	Spring 2015					1	0.1		0.005	I							32	n	410	n					9.4	n	40	0.0037	0.016
.	Carbofuran	Change																1												
55285-14-8	Carbosulfan	Winter 2015					1	0.1		0.01	I							62	n	820	n					5.1	n		0.12	
55285-14-8	Carbosulfan	Spring 2015					1	0.1		0.01	I							63	n	820	n					5.1	n		0.12	
.	Carbosulfan	Change																1												
5234-68-4	Carboxin	Winter 2015					1	0.1		0.1	I							620	n	8200	n					190	n		0.1	
5234-68-4	Carboxin	Spring 2015					1	0.1		0.1	I							630	n	8200	n					190	n		0.1	
.	Carboxin	Change																10												
302-17-0	Chloral Hydrate	Winter 2015					1	0.1		0.1	I							620	n	8200	n					200	n		0.04	
302-17-0	Chloral Hydrate	Spring 2015	V				1			0.1	I							780	n	12000	n					200	n		0.04	
.	Chloral Hydrate	Change	X															160		3800										
133-90-4	Chloramben	Winter 2015					1	0.1		0.015	I							92	n	1200	n					29	n		0.007	
133-90-4	Chloramben	Spring 2015					1	0.1		0.015	I							95	n	1200	n					29	n		0.007	
.	Chloramben	Change																3												
12789-03-6	Chlordane	Winter 2015					1	0.04		0.0005	I	0.0007	I	0.35	I	0.0001	I	1.8	c**	8	c**	0.028	c**	0.12	c**	0.22	c**	2	0.015	0.14
12789-03-6	Chlordane	Spring 2015	V				1	0.04		0.0005	I	0.0007	I	0.35	I	0.0001	I	1.7	c**	7.5	c**	0.028	c**	0.12	c**	0.045	c**	2	0.003	0.14
.	Chlordane	Change	X															-0.1		-0.5						-0.175			-0.012	

CAS	Chemical	Type of Observation	v	o	c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k	e	y_2	RfCi (mg/m3)	k	e	y_3	SFO (mg/kg-day)$^{-1}$	k	e	y	IUR (ug/m3)$^{-1}$	k	e	y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
143-50-0	Chlordecone (Kepone)	Winter 2015					1	0.1		0.0003	I							10	I			0.0046	C			0.053	c*	0.23	c	0.00061	c	0.0027	c	0.0035	c*		0.00012	
143-50-0	Chlordecone (Kepone)	Spring 2015					1	0.1		0.0003	I							10	I			0.0046	C			0.054	c*	0.23	c	0.00061	c	0.0027	c	0.0035	c*		0.00012	
.	Chlordecone (Kepone)	Change																								0.001												
470-90-6	Chlorfenvinphos	Winter 2015					1	0.1		0.0007	A															4.3	n	58	n					1.1	n		0.0031	
470-90-6	Chlorfenvinphos	Spring 2015					1	0.1		0.0007	A															4.4	n	57	n					1.1	n		0.0031	
.	Chlorfenvinphos	Change																								0.1		-1										
90982-32-4	Chlorimuron, Ethyl-	Winter 2015					1	0.1		0.02	I															120	n	1600	n					39	n		0.013	
90982-32-4	Chlorimuron, Ethyl-	Spring 2015					1	0.1		0.02	I															130	n	1600	n					39	n		0.013	
.	Chlorimuron, Ethyl-	Change																								10												
7782-50-5	Chlorine	Winter 2015					1			0.1	I		0.00015	A												750	n	10000	n	0.015	n	0.064	n	200	n		0.09	
7782-50-5	Chlorine	Spring 2015	V				1		2780	0.1	I		0.00015	A												0.018	n	0.078	n	0.015	n	0.064	n	0.03	n		0.000014	
.	Chlorine	Change	X																							-749.982		-9999.922						-199.97			-0.089986	
10049-04-4	Chlorine Dioxide	Winter 2015					1			0.03	I		0.0002	I												230	n	3400	n	0.021	n	0.088	n	60	n			
10049-04-4	Chlorine Dioxide	Spring 2015	V				1			0.03	I		0.0002	I												230	n	3400	n	0.021	n	0.088	n	0.042	n			
.	Chlorine Dioxide	Change	X																															-59.958				
95-69-2	Chloro-2-methylaniline, 4-	Winter 2015					1	0.1		0.003	X							0.1	P			0.000077	C			5.3	c**	23	c*	0.036	c	0.16	c	0.69	c**		0.00039	
95-69-2	Chloro-2-methylaniline, 4-	Spring 2015					1	0.1		0.003	X							0.1	P			0.000077	C			5.4	c**	23	c*	0.036	c	0.16	c	0.69	c**		0.00039	
.	Chloro-2-methylaniline, 4-	Change																								0.1												
107-20-0	Chloroacetaldehyde, 2-	Winter 2015	V				1	0.1	28300									0.27	X							2	c	8.6	c					0.29	c		0.000058	
107-20-0	Chloroacetaldehyde, 2-	Spring 2015	V				1		28300									0.27	X							2.6	c	12	c					0.29	c		0.000058	
.	Chloroacetaldehyde, 2-	Change																								0.6		3.4										
79-11-8	Chloroacetic Acid	Winter 2015					1	0.1		0.002	H															12	n	160	n					4	n	60	0.00081	0.012
79-11-8	Chloroacetic Acid	Spring 2015					1	0.1		0.002	H															13	n	160	n					4	n	60	0.00081	0.012
.	Chloroacetic Acid	Change																								1												
106-47-8	Chloroaniline, p-	Winter 2015					1	0.1		0.004	I							0.2	P							2.7	c**	12	c*					0.36	c*		0.00016	
106-47-8	Chloroaniline, p-	Spring 2015					1	0.1		0.004	I							0.2	P							2.7	c**	11	c*					0.36	c*		0.00016	
.	Chloroaniline, p-	Change																										-1										
510-15-6	Chlorobenzilate	Winter 2015					1	0.1		0.02	I							0.11	C			0.000031	C			4.8	c*	21	c*	0.091	c	0.4	c	0.31	c*		0.001	
510-15-6	Chlorobenzilate	Spring 2015					1	0.1		0.02	I							0.11	C			0.000031	C			4.9	c*	21	c*	0.091	c	0.4	c	0.31	c*		0.001	
.	Chlorobenzilate	Change																								0.1												
74-11-3	Chlorobenzoic Acid, p-	Winter 2015					1	0.1		0.03	X															180	n	2500	n					51	n		0.013	
74-11-3	Chlorobenzoic Acid, p-	Spring 2015					1	0.1		0.03	X															190	n	2500	n					51	n		0.013	
.	Chlorobenzoic Acid, p-	Change																								10												
107-07-3	Chloroethanol, 2-	Winter 2015					1	0.1		0.02	P															120	n	1600	n					40	n		0.0081	
107-07-3	Chloroethanol, 2-	Spring 2015	V				1		111000	0.02	P															160	n	2300	n					40	n		0.0081	
.	Chloroethanol, 2-	Change	X																							40		700										
100-00-5	Chloronitrobenzene, p-	Winter 2015					1	0.1		0.001	P		0.0006	P				0.0063	P							6.2	n	82	n	0.063	n	0.26	n	1.8	n		0.0017	
100-00-5	Chloronitrobenzene, p-	Spring 2015					1	0.1		0.001	P		0.0006	P				0.0063	P							6.3	n	82	n	0.063	n	0.26	n	1.8	n		0.0017	
.	Chloronitrobenzene, p-	Change																								0.1												
1897-45-6	Chlorothalonil	Winter 2015					1	0.1		0.015	I							0.0031	C			0.00000089	C			92	n	740	c**	3.2	c	14	c	22	c**		0.049	
1897-45-6	Chlorothalonil	Spring 2015					1	0.1		0.015	I							0.0031	C			0.00000089	C			95	n	740	c**	3.2	c	14	c	22	c**		0.049	
.	Chlorothalonil	Change																								3												
101-21-3	Chlorpropham	Winter 2015					1	0.1		0.2	I															1200	n	16000	n					280	n		0.26	
101-21-3	Chlorpropham	Spring 2015					1	0.1		0.2	I															1300	n	16000	n					280	n		0.26	
.	Chlorpropham	Change																								100												
2921-88-2	Chlorpyrifos	Winter 2015					1	0.1		0.001	A															6.2	n	82	n					0.84	n		0.012	
2921-88-2	Chlorpyrifos	Spring 2015					1	0.1		0.001	A															6.3	n	82	n					0.84	n		0.012	
.	Chlorpyrifos	Change																								0.1												
5598-13-0	Chlorpyrifos Methyl	Winter 2015					1	0.1		0.01	H															62	n	820	n					12	n		0.054	
5598-13-0	Chlorpyrifos Methyl	Spring 2015					1	0.1		0.01	H															63	n	820	n					12	n		0.054	
.	Chlorpyrifos Methyl	Change																								1												
64902-72-3	Chlorsulfuron	Winter 2015					1	0.1		0.05	I															310	n	4100	n					99	n		0.083	
64902-72-3	Chlorsulfuron	Spring 2015					1	0.1		0.05	I															320	n	4100	n					99	n		0.083	
.	Chlorsulfuron	Change																								10												
60238-56-4	Chlorthiophos	Winter 2015					1	0.1		0.0008	H															4.9	n	66	n					0.28	n		0.0073	
60238-56-4	Chlorthiophos	Spring 2015					1	0.1		0.0008	H															5.1	n	66	n					0.28	n		0.0073	
.	Chlorthiophos	Change																								0.2												
8007-45-2	Coke Oven Emissions	Winter 2015				M	1	0.1														0.00062	I							0.0016	c	0.02	c					
8007-45-2	Coke Oven Emissions	Spring 2015	V			M	1															0.00062	I							0.0016	c	0.02	c					
.	Coke Oven Emissions	Change	X																																			
108-39-4	Cresol, m-	Winter 2015					1	0.1		0.05	I		0.6	C												310	n	4100	n	63	n	260	n	93	n		0.074	
108-39-4	Cresol, m-	Spring 2015					1	0.1		0.05	I		0.6	C												320	n	4100	n	63	n	260	n	93	n		0.074	
.	Cresol, m-	Change																								10												
95-48-7	Cresol, o-	Winter 2015					1	0.1		0.05	I		0.6	C												310	n	4100	n	63	n	260	n	93	n		0.075	
95-48-7	Cresol, o-	Spring 2015					1	0.1		0.05	I		0.6	C												320	n	4100	n	63	n	260	n	93	n		0.075	
.	Cresol, o-	Change																								10												
106-44-5	Cresol, p-	Winter 2015					1	0.1		0.1	A		0.6	C												620	n	8200	n	63	n	260	n	190	n		0.15	
106-44-5	Cresol, p-	Spring 2015					1	0.1		0.1	A		0.6	C												630	n	8200	n	63	n	260	n	190	n		0.15	
.	Cresol, p-	Change																								10												
59-50-7	Cresol, p-chloro-m-	Winter 2015					1	0.1		0.1	A															620	n	8200	n					140	n		0.17	
59-50-7	Cresol, p-chloro-m-	Spring 2015					1	0.1		0.1	A															630	n	8200	n					140	n		0.17	
.	Cresol, p-chloro-m-	Change																								10												
1319-77-3	Cresols	Winter 2015					1	0.1		0.1	A		0.6	C												620	n	8200	n	63	n	260	n	190	n		0.15	
1319-77-3	Cresols	Spring 2015					1	0.1		0.1	A		0.6	C												630	n	8200	n	63	n	260	n	190	n		0.15	
.	Cresols	Change																								10												
135-20-6	Cupferron	Winter 2015					1	0.1										0.22	C			0.000063	C			2.4	c	10	c	0.045	c	0.19	c	0.35	c		0.00061	
135-20-6	Cupferron	Spring 2015					1	0.1										0.22	C			0.000063	C			2.5	c	10	c	0.045	c	0.19	c	0.35	c		0.00061	
.	Cupferron	Change																								0.1												
21725-46-2	Cyanazine	Winter 2015					1	0.1		0.002	H							0.84	H							0.63	c*	2.7	c*					0.087	c*		0.000041	
21725-46-2	Cyanazine	Spring 2015					1	0.1		0.002	H							0.84	H							0.65	c*	2.7	c*					0.087	c*		0.000041	
.	Cyanazine	Change																								0.02												
87-84-3	Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	Winter 2015					1	0.1										0.023	H							23	c	100	c					2.4	c		0.014	
87-84-3	Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	Spring 2015					1	0.1										0.023	H							24	c	100	c					2.4	c		0.014	
.	Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	Change																								1												
108-94-1	Cyclohexanone	Winter 2015					1	0.1		5	I		0.7	P												31000	n	410000	nm	73	n	310	n	9900	n		2.3	
108-94-1	Cyclohexanone	Spring 2015	V				1		5110	5	I		0.7	P												2800	n	13000	ns	73	n	310	n	140	n		0.034	
.	Cyclohexanone	Change	X																							-28200		-397000	:X					-9760			-2.266	
110-83-8	Cyclohexene	Winter 2015	V				1		283	0.005	P		1	X												31	n	290	ns	100	n	440	n	7	n		0.0046	
110-83-8	Cyclohexene	Spring 2015	V				1		283	0.005	P		1	X												31	n	310	ns	100	n	440	n	7	n		0.0046	
.	Cyclohexene	Change																										20										

CAS	Chemical	Type of Observation	v o c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k e y_2	RfCi (mg/m3)	k e y_3	SFO (mg/kg-day)$^{-1}$	k e y	IUR (ug/m3)$^{-1}$	k e y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
108-91-8	Cyclohexylamine	Winter 2015			1	0.1		0.2	I							1200	n	16000	n					380	n		0.1	
108-91-8	Cyclohexylamine	Spring 2015	V		1		293000	0.2	I							1600	n	23000	n					380	n		0.1	
.	Cyclohexylamine	Change	X													400		7000										
68085-85-8	Cyhalothrin/karate	Winter 2015			1	0.1		0.005	I							31	n	410	n					10	n		6.8	
68085-85-8	Cyhalothrin/karate	Spring 2015			1	0.1		0.005	I							32	n	410	n					10	n		6.8	
.	Cyhalothrin/karate	Change														1												
52315-07-8	Cypermethrin	Winter 2015			1	0.1		0.01	I							62	n	820	n					20	n		3.2	
52315-07-8	Cypermethrin	Spring 2015			1	0.1		0.01	I							63	n	820	n					20	n		3.2	
.	Cypermethrin	Change														1												
66215-27-8	Cyromazine	Winter 2015			1	0.1		0.0075	I							46	n	620	n					15	n		0.0038	
66215-27-8	Cyromazine	Spring 2015			1	0.1		0.0075	I							47	n	620	n					15	n		0.0038	
.	Cyromazine	Change														1												
72-54-8	DDD	Winter 2015			1	0.1						0.24	I	0.000069	C	2.2	c	9.6	c	0.041	c	0.18	c	0.031	c		0.0072	
72-54-8	DDD	Spring 2015			1	0.1						0.24	I	0.000069	C	2.3	c	9.6	c	0.041	c	0.18	c	0.031	c		0.0072	
.	DDD	Change														0.1												
72-55-9	DDE, p,p'-	Winter 2015			1	0.1						0.34	I	0.000097	C	1.6	c	6.8	c	0.029	c	0.13	c	0.23	c		0.054	
72-55-9	DDE, p,p'-	Spring 2015	V		1							0.34	I	0.000097	C	2	c	9.3	c	0.029	c	0.13	c	0.046	c		0.011	
.	DDE, p,p'-	Change	X													0.4		2.5						-0.184			-0.043	
50-29-3	DDT	Winter 2015			1	0.03		0.0005	I			0.34	I	0.000097	I	1.9	c**	8.6	c**	0.029	c	0.13	c	0.23	c**		0.077	
50-29-3	DDT	Spring 2015			1	0.03		0.0005	I			0.34	I	0.000097	I	1.9	c**	8.5	c**	0.029	c	0.13	c	0.23	c**		0.077	
.	DDT	Change																-0.1										
1861-32-1	Dacthal	Winter 2015			1	0.1		0.01	I							62	n	820	n					12	n		0.015	
1861-32-1	Dacthal	Spring 2015			1	0.1		0.01	I							63	n	820	n					12	n		0.015	
.	Dacthal	Change														1												
75-99-0	Dalapon	Winter 2015			1	0.1		0.03	I							180	n	2500	n					60	n	200	0.012	0.041
75-99-0	Dalapon	Spring 2015			1	0.1		0.03	I							190	n	2500	n					60	n	200	0.012	0.041
.	Dalapon	Change														10												
1163-19-5	Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	Winter 2015			1	0.1		0.007	I			0.0007	I			43	n	580	n					14	n		7.8	
1163-19-5	Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	Spring 2015			1	0.1		0.007	I			0.0007	I			44	n	570	n					14	n		7.8	
.	Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	Change														1		-10										
103-23-1	Di(2-ethylhexyl)adipate	Winter 2015			1	0.1		0.6	I			0.0012	I			440	c**	1900	c*					65	c*	400	4.7	29
103-23-1	Di(2-ethylhexyl)adipate	Spring 2015			1	0.1		0.6	I			0.0012	I			450	c**	1900	c*					65	c*	400	4.7	29
.	Di(2-ethylhexyl)adipate	Change														10												
2303-16-4	Diallate	Winter 2015			1	0.1						0.061	H			8.7	c	38	c					0.52	c		0.00078	
2303-16-4	Diallate	Spring 2015			1	0.1						0.061	H			8.9	c	38	c					0.52	c		0.00078	
.	Diallate	Change														0.2												
333-41-5	Diazinon	Winter 2015			1	0.1		0.0007	A							4.3	n	58	n					1	n		0.0065	
333-41-5	Diazinon	Spring 2015			1	0.1		0.0007	A							4.4	n	57	n					1	n		0.0065	
.	Diazinon	Change														0.1		-1										
96-12-8	Dibromo-3-chloropropane, 1,2-	Winter 2015	V	M	1		979	0.0002	P	0.0002	I	0.8	P	0.006	P	0.0053	c*	0.064	c*	0.00017	c	0.002	c*	0.00033	c	0.2	0.00000014	0.000086
96-12-8	Dibromo-3-chloropropane, 1,2-	Spring 2015	V	M	1		979	0.0002	P	0.0002	I	0.8	P	0.006	P	0.0053	c*	0.064	c*	0.00017	c	0.002	c*	0.0086	c**	0.2	0.0000037	0.000086
.	Dibromo-3-chloropropane, 1,2-	Change																						0.00827	XX			
108-36-1	Dibromobenzene, 1,3-	Winter 2015			1	0.1		0.0004	X							2.5	n	33	n					0.53	n		0.00051	
108-36-1	Dibromobenzene, 1,3-	Spring 2015	V		1		159	0.0004	X							3.1	n	47	n					0.53	n		0.00051	
	Dibromobenzene, 1,3-	Change	X													0.6		14										
106-37-6	Dibromobenzene, 1,4-	Winter 2015			1	0.1		0.01	I							62	n	820	n					13	n		0.012	
106-37-6	Dibromobenzene, 1,4-	Spring 2015	V		1			0.01	I							78	n	1200	n					13	n		0.012	
.	Dibromobenzene, 1,4-	Change	X													16		380										
124-48-1	Dibromochloromethane	Winter 2015	V		1	0.1	802	0.02	I			0.084	I	0.000027	C	0.73	c	3.2	c	0.1	c	0.45	c	0.17	c	8.0E+01(F)	0.000045	0.021
124-48-1	Dibromochloromethane	Spring 2015	V		1		802	0.02	I			0.084	I	0.000027	C	0.75	c	3.3	c	0.1	c	0.45	c	0.17	c	8.0E+01(F)	0.000045	0.021
.	Dibromochloromethane	Change														0.02		0.1										
NA	Dibutyltin Compounds	Winter 2015			1	0.1		0.0003	P							1.8	n	25	n					0.6	n			
NA	Dibutyltin Compounds	Spring 2015			1	0.1		0.0003	P							1.9	n	25	n					0.6	n			
.	Dibutyltin Compounds	Change														0.1												
1918-00-9	Dicamba	Winter 2015			1	0.1		0.03	I							180	n	2500	n					57	n		0.015	
1918-00-9	Dicamba	Spring 2015			1	0.1		0.03	I							190	n	2500	n					57	n		0.015	
.	Dicamba	Change														10												
764-41-0	Dichloro-2-butene, 1,4-	Winter 2015	V		1		519							0.0042	P	0.0074	c	0.032	c	0.00067	c	0.0029	c	0.0013	c		0.00000062	
764-41-0	Dichloro-2-butene, 1,4-	Spring 2015	V		1		518							0.0042	P	0.0083	c	0.036	c	0.00067	c	0.0029	c	0.0013	c		0.00000062	
.	Dichloro-2-butene, 1,4-	Change					-1									0.0009		0.004										
1476-11-5	Dichloro-2-butene, cis-1,4-	Winter 2015	V		1	0.1	519							0.0042	P	0.0074	c	0.032	c	0.00067	c	0.0029	c	0.0013	c		0.00000062	
1476-11-5	Dichloro-2-butene, cis-1,4-	Spring 2015	V		1		519							0.0042	P	0.0074	c	0.032	c	0.00067	c	0.0029	c	0.0013	c		0.00000062	
.	Dichloro-2-butene, cis-1,4-	Change																										
110-57-6	Dichloro-2-butene, trans-1,4-	Winter 2015	V		1	0.1	760							0.0042	P	0.0074	c	0.032	c	0.00067	c	0.0029	c	0.0013	c		0.00000062	
110-57-6	Dichloro-2-butene, trans-1,4-	Spring 2015	V		1		760							0.0042	P	0.0074	c	0.032	c	0.00067	c	0.0029	c	0.0013	c		0.00000062	
.	Dichloro-2-butene, trans-1,4-	Change																										
90-98-2	Dichlorobenzophenone, 4,4'-	Winter 2015			1	0.1		0.009	X							55	n	740	n					7.8	n		0.047	
90-98-2	Dichlorobenzophenone, 4,4'-	Spring 2015			1	0.1		0.009	X							57	n	740	n					7.8	n		0.047	
	Dichlorobenzophenone, 4,4'-	Change														2												
156-60-5	Dichloroethylene, 1,2-trans-	Winter 2015	V		1		1670	0.02	I							160	n	2300	ns					36	n	100	0.011	0.029
156-60-5	Dichloroethylene, 1,2-trans-	Spring 2015	V		1		1860	0.02	I							160	n	2300	ns					36	n	100	0.011	0.031
.	Dichloroethylene, 1,2-trans-	Change					190																					0.002
120-83-2	Dichlorophenol, 2,4-	Winter 2015			1	0.1		0.003	I							18	n	250	n					4.6	n		0.0054	
120-83-2	Dichlorophenol, 2,4-	Spring 2015			1	0.1		0.003	I							19	n	250	n					4.6	n		0.0054	
.	Dichlorophenol, 2,4-	Change														1												
94-75-7	Dichlorophenoxy Acetic Acid, 2,4-	Winter 2015			1	0.05		0.01	I							69	n	970	n					17	n	70	0.0045	0.018
94-75-7	Dichlorophenoxy Acetic Acid, 2,4-	Spring 2015			1	0.05		0.01	I							70	n	960	n					17	n	70	0.0045	0.018
.	Dichlorophenoxy Acetic Acid, 2,4-	Change														1		-10										
94-82-6	Dichlorophenoxy)butyric Acid, 4-(2,4-	Winter 2015			1	0.1		0.008	I							49	n	660	n					12	n		0.0048	
94-82-6	Dichlorophenoxy)butyric Acid, 4-(2,4-	Spring 2015			1	0.1		0.008	I							51	n	660	n					12	n		0.011	
.	Dichlorophenoxy)butyric Acid, 4-(2,4-	Change														2											0.0062	
616-23-9	Dichloropropanol, 2,3-	Winter 2015			1	0.1		0.003	I							18	n	250	n					5.9	n		0.0013	
616-23-9	Dichloropropanol, 2,3-	Spring 2015			1	0.1		0.003	I							19	n	250	n					5.9	n		0.0013	
.	Dichloropropanol, 2,3-	Change														1												
62-73-7	Dichlorvos	Winter 2015			1	0.1		0.0005	I	0.0005	I	0.29	I	0.000083	C	1.8	c**	8	c**	0.034	c**	0.15	c**	0.26	c**		0.000081	
62-73-7	Dichlorvos	Spring 2015			1	0.1		0.0005	I	0.0005	I	0.29	I	0.000083	C	1.9	c**	7.9	c**	0.034	c**	0.15	c**	0.26	c**		0.000081	
.	Dichlorvos	Change														0.1		-0.1										
60-57-1	Dieldrin	Winter 2015			1	0.1		0.00005	I			16	I	0.0046	I	0.033	c**	0.14	c*	0.00061	c	0.0027	c	0.0017	c*		0.000069	
60-57-1	Dieldrin	Spring 2015			1	0.1		0.00005	I			16	I	0.0046	I	0.034	c**	0.14	c*	0.00061	c	0.0027	c	0.0017	c*		0.000069	
.	Dieldrin	Change														0.001												

CAS	Chemical	Type of Observation	v	o	c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k	e	y_2	RfCi (mg/m3)	k	e	y_3	SFO (mg/kg-day)$^{-1}$	k	e	y	IUR (ug/m3)$^{-1}$	k	e	y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
111-42-2	Diethanolamine	Winter 2015					1	0.1		0.002	P			0.0002	P											12	n	160	n	0.021	n	0.088	n	4	n		0.00081	
111-42-2	Diethanolamine	Spring 2015					1	0.1		0.002	P			0.0002	P											13	n	160	n	0.021	n	0.088	n	4	n		0.00081	
.	Diethanolamine	Change																								1												
112-34-5	Diethylene Glycol Monobutyl Ether	Winter 2015					1	0.1		0.03	P			0.0001	P											180	n	2400	n	0.01	n	0.044	n	60	n		0.013	
112-34-5	Diethylene Glycol Monobutyl Ether	Spring 2015					1	0.1		0.03	P			0.0001	P											190	n	2400	n	0.01	n	0.044	n	60	n		0.013	
.	Diethylene Glycol Monobutyl Ether	Change																								10												
111-90-0	Diethylene Glycol Monoethyl Ether	Winter 2015					1	0.1		0.06	P			0.0003	P											370	n	4800	n	0.031	n	0.13	n	120	n		0.024	
111-90-0	Diethylene Glycol Monoethyl Ether	Spring 2015					1	0.1		0.06	P			0.0003	P											380	n	4800	n	0.031	n	0.13	n	120	n		0.024	
.	Diethylene Glycol Monoethyl Ether	Change																								10												
617-84-5	Diethylformamide	Winter 2015					1	0.1		0.001	P															6.2	n	82	n					2	n		0.00041	
617-84-5	Diethylformamide	Spring 2015	V				1		112000	0.001	P															7.8	n	120	n					2	n		0.00041	
.	Diethylformamide	Change	X																							1.6		38										
56-53-1	Diethylstilbestrol	Winter 2015					1	0.1										350	C			0.1	C			0.0015	c	0.0066	c			0.00012	c	0.000049	c		0.000027	
56-53-1	Diethylstilbestrol	Spring 2015					1	0.1										350	C			0.1	C			0.0016	c	0.0066	c	0.000028	c	0.00012	c	0.000049	c		0.000027	
.	Diethylstilbestrol	Change																								0.0001												
43222-48-6	Difenzoquat	Winter 2015					1	0.1		0.08	I															490	n	6600	n					160	n			
43222-48-6	Difenzoquat	Spring 2015					1	0.1		0.08	I															510	n	6600	n					160	n			
.	Difenzoquat	Change																								20												
35367-38-5	Diflubenzuron	Winter 2015					1	0.1		0.02	I															120	n	1600	n					29	n		0.033	
35367-38-5	Diflubenzuron	Spring 2015					1	0.1		0.02	I															130	n	1600	n					29	n		0.033	
.	Diflubenzuron	Change																								10												
94-58-6	Dihydrosafrole	Winter 2015	V				1	0.1										0.044	C			0.000013	C			0.26	c	1.1	c	0.22	c	0.94	c	0.3	c		0.00037	
94-58-6	Dihydrosafrole	Spring 2015	V				1											0.044	C			0.000013	C			0.32	c	1.4	c	0.22	c	0.94	c	0.3	c		0.00037	
.	Dihydrosafrole	Change																								0.06		0.3										
55290-64-7	Dimethipin	Winter 2015					1	0.1		0.02	I															120	n	1600	n					40	n		0.0088	
55290-64-7	Dimethipin	Spring 2015					1	0.1		0.02	I															130	n	1600	n					40	n		0.0088	
.	Dimethipin	Change																								10												
60-51-5	Dimethoate	Winter 2015					1	0.1		0.0002	I															1.2	n	16	n					0.4	n		0.00009	
60-51-5	Dimethoate	Spring 2015					1	0.1		0.0002	I															1.3	n	16	n					0.4	n		0.00009	
.	Dimethoate	Change																								0.1												
119-90-4	Dimethoxybenzidine, 3,3'-	Winter 2015					1	0.1										1.6	P							0.33	c	1.4	c					0.047	c		0.000057	
119-90-4	Dimethoxybenzidine, 3,3'-	Spring 2015					1	0.1										1.6	P							0.34	c	1.4	c					0.047	c		0.000057	
.	Dimethoxybenzidine, 3,3'-	Change																								0.01												
756-79-6	Dimethyl methylphosphonate	Winter 2015					1	0.1		0.06	P							0.0017	P							310	c**	1400	c**					46	c**		0.0096	
756-79-6	Dimethyl methylphosphonate	Spring 2015					1	0.1		0.06	P							0.0017	P							320	c**	1400	c**					46	c**		0.0096	
.	Dimethyl methylphosphonate	Change																								10												
21436-96-4	Dimethylaniline HCl, 2,4-	Winter 2015					1	0.1										0.58	H							0.92	c	4	c					0.13	c		0.00012	
21436-96-4	Dimethylaniline HCl, 2,4-	Spring 2015					1	0.1										0.58	H							0.94	c	4	c					0.13	c		0.00012	
.	Dimethylaniline HCl, 2,4-	Change																								0.02												
95-68-1	Dimethylaniline, 2,4-	Winter 2015					1	0.1		0.002	X							0.2	P							2.7	c**	12	c*					0.37	c*		0.00021	
95-68-1	Dimethylaniline, 2,4-	Spring 2015					1	0.1		0.002	X							0.2	P							2.7	c**	11	c*					0.37	c*		0.00021	
.	Dimethylaniline, 2,4-	Change																								-1												
119-93-7	Dimethylbenzidine, 3,3'-	Winter 2015					1	0.1										11	P							0.048	c	0.21	c					0.0065	c		0.000043	
119-93-7	Dimethylbenzidine, 3,3'-	Spring 2015					1	0.1										11	P							0.049	c	0.21	c					0.0065	c		0.000043	
.	Dimethylbenzidine, 3,3'-	Change																								0.001												
68-12-2	Dimethylformamide	Winter 2015					1	0.1		0.1	P			0.03	I											620	n	8200	n	3.1	n	13	n	200	n		0.04	
68-12-2	Dimethylformamide	Spring 2015	V				1		106000	0.1	P			0.03	I											260	n	1500	n	3.1	n	13	n	6.1	n		0.0012	
.	Dimethylformamide	Change	X																							-360		-6700						-193.9			-0.0388	
57-14-7	Dimethylhydrazine, 1,1-	Winter 2015					1	0.1		0.0001	X			0.000002	X											0.62	n	8.2	n	0.00021	n	0.00088	n	0.2	n		0.000045	
57-14-7	Dimethylhydrazine, 1,1-	Spring 2015	V				1		172000	0.0001	X			0.000002	X											0.032	n	0.14	n	0.00021	n	0.00088	n	0.00042	n		0.000000093	
.	Dimethylhydrazine, 1,1-	Change	X																							-0.588		-8.06						-0.19958				
540-73-8	Dimethylhydrazine, 1,2-	Winter 2015					1	0.1										550	C			0.16	C			0.00097	c	0.0042	c	0.000018	c	0.000077	c	0.00014	c		0.000000032	
540-73-8	Dimethylhydrazine, 1,2-	Spring 2015	V				1		189000									550	C			0.16	C			0.00088	c	0.0041	c	0.000018	c	0.000077	c	0.000028	c		6.5E-09	
.	Dimethylhydrazine, 1,2-	Change	X																															-0.000112				
105-67-9	Dimethylphenol, 2,4-	Winter 2015					1	0.1		0.02	I															120	n	1600	n					36	n		0.042	
105-67-9	Dimethylphenol, 2,4-	Spring 2015					1	0.1		0.02	I															130	n	1600	n					36	n		0.042	
.	Dimethylphenol, 2,4-	Change																								10												
576-26-1	Dimethylphenol, 2,6-	Winter 2015					1	0.1		0.0006	I															3.7	n	49	n					1.1	n		0.0013	
576-26-1	Dimethylphenol, 2,6-	Spring 2015					1	0.1		0.0006	I															3.8	n	49	n					1.1	n		0.0013	
.	Dimethylphenol, 2,6-	Change																								0.1												
95-65-8	Dimethylphenol, 3,4-	Winter 2015					1	0.1		0.001	I															6.2	n	82	n					1.8	n		0.0021	
95-65-8	Dimethylphenol, 3,4-	Spring 2015					1	0.1		0.001	I															6.3	n	82	n					1.8	n		0.0021	
.	Dimethylphenol, 3,4-	Change																								0.1												
513-37-1	Dimethylvinylchloride	Winter 2015	V				1	0.1	1090									0.045	C			0.000013	C			0.21	c	0.93	c	0.22	c	0.94	c	0.33	c		0.0002	
513-37-1	Dimethylvinylchloride	Spring 2015	V				1		1090									0.045	C			0.000013	C			0.21	c	0.94	c	0.22	c	0.94	c	0.33	c		0.0002	
.	Dimethylvinylchloride	Change																								0.01												
534-52-1	Dinitro-o-cresol, 4,6-	Winter 2015					1	0.1		0.00008	X															0.49	n	6.6	n					0.15	n		0.00026	
534-52-1	Dinitro-o-cresol, 4,6-	Spring 2015					1	0.1		0.00008	X															0.51	n	6.6	n					0.15	n		0.00026	
.	Dinitro-o-cresol, 4,6-	Change																								0.02												
131-89-5	Dinitro-o-cyclohexyl Phenol, 4,6-	Winter 2015					1	0.1		0.002	I															12	n	160	n					2.3	n		0.077	
131-89-5	Dinitro-o-cyclohexyl Phenol, 4,6-	Spring 2015					1	0.1		0.002	I															13	n	160	n					2.3	n		0.077	
.	Dinitro-o-cyclohexyl Phenol, 4,6-	Change																								1												
528-29-0	Dinitrobenzene, 1,2-	Winter 2015					1	0.1		0.0001	P															0.62	n	8.2	n					0.19	n		0.00018	
528-29-0	Dinitrobenzene, 1,2-	Spring 2015					1	0.1		0.0001	P															0.63	n	8.2	n					0.19	n		0.00018	
.	Dinitrobenzene, 1,2-	Change																								0.01												
99-65-0	Dinitrobenzene, 1,3-	Winter 2015					1	0.1		0.0001	I															0.62	n	8.2	n					0.2	n		0.00018	
99-65-0	Dinitrobenzene, 1,3-	Spring 2015					1	0.1		0.0001	I															0.63	n	8.2	n					0.2	n		0.00018	
.	Dinitrobenzene, 1,3-	Change																								0.01												
100-25-4	Dinitrobenzene, 1,4-	Winter 2015					1	0.1		0.0001	P															0.62	n	8.2	n					0.2	n		0.00018	
100-25-4	Dinitrobenzene, 1,4-	Spring 2015					1	0.1		0.0001	P															0.63	n	8.2	n					0.2	n		0.00018	
.	Dinitrobenzene, 1,4-	Change																								0.01												
51-28-5	Dinitrophenol, 2,4-	Winter 2015					1	0.1		0.002	I															12	n	160	n					3.9	n		0.0044	
51-28-5	Dinitrophenol, 2,4-	Spring 2015					1	0.1		0.002	I															13	n	160	n					3.9	n		0.0044	
.	Dinitrophenol, 2,4-	Change																								1												
NA	Dinitrotoluene Mixture, 2,4/2,6-	Winter 2015					1	0.1										0.68	I							0.78	c	3.4	c					0.11	c		0.00015	
NA	Dinitrotoluene Mixture, 2,4/2,6-	Spring 2015					1	0.1										0.68	I							0.8	c	3.4	c					0.11	c		0.00015	
.	Dinitrotoluene Mixture, 2,4/2,6-	Change																								0.02												
88-85-7	Dinoseb	Winter 2015					1	0.1		0.001	I															6.2	n	82	n					1.5	n	7	0.013	0.062
88-85-7	Dinoseb	Spring 2015					1	0.1		0.001	I															6.3	n	82	n					1.5	n	7	0.013	0.062
.	Dinoseb	Change																								0.1												

CAS	Chemical	Type of Observation	v	o	c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k	e	y_2	RfCi (mg/m3)	k	e	y_3	SFO (mg/kg-day)$^{-1}$	k	e	y	IUR (ug/m3)$^{-1}$	k	e	y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
123-91-1	Dioxane, 1,4-	Winter 2015					1	0.1		0.03	I			0.03	I			0.1	I			0.000005	I			5.3	c*	23	c	0.56	c**	2.5	c**	0.78	c*		0.00016	
123-91-1	Dioxane, 1,4-	Spring 2015	V				1		116000	0.03	I			0.03	I			0.1	I			0.000005	I			5.3	c*	24	c*	0.56	c**	2.5	c**	0.46	c*		0.000094	
.	Dioxane, 1,4-	Change	X																									1	X					-0.32				
957-51-7	Diphenamid	Winter 2015					1	0.1		0.03	I															180	n	2500	n					53	n		0.52	
957-51-7	Diphenamid	Spring 2015					1	0.1		0.03	I															190	n	2500	n					53	n		0.52	
.	Diphenamid	Change																								10												
127-63-9	Diphenyl Sulfone	Winter 2015					1	0.1		0.0008	X															4.9	n	66	n					1.5	n		0.0036	
127-63-9	Diphenyl Sulfone	Spring 2015					1	0.1		0.0008	X															5.1	n	66	n					1.5	n		0.0036	
.	Diphenyl Sulfone	Change																								0.2												
122-39-4	Diphenylamine	Winter 2015					1	0.1		0.025	I															150	n	2100	n					31	n		0.058	
122-39-4	Diphenylamine	Spring 2015					1	0.1		0.025	I															160	n	2100	n					31	n		0.058	
.	Diphenylamine	Change																								10												
122-66-7	Diphenylhydrazine, 1,2-	Winter 2015					1	0.1										0.8	I			0.00022	I			0.67	c	2.9	c	0.013	c	0.056	c	0.077	c		0.00025	
122-66-7	Diphenylhydrazine, 1,2-	Spring 2015					1	0.1										0.8	I			0.00022	I			0.68	c	2.9	c	0.013	c	0.056	c	0.077	c		0.00025	
.	Diphenylhydrazine, 1,2-	Change																								0.01												
1937-37-7	Direct Black 38	Winter 2015					1	0.1										7.1	C			0.14	C			0.075	c	0.32	c	0.00002	c	0.000088	c	0.011	c		5.3	
1937-37-7	Direct Black 38	Spring 2015					1	0.1										7.1	C			0.14	C			0.076	c	0.32	c	0.00002	c	0.000088	c	0.011	c		5.3	
.	Direct Black 38	Change																								0.001												
2602-46-2	Direct Blue 6	Winter 2015					1	0.1										7.4	C			0.14	C			0.072	c	0.31	c	0.00002	c	0.000088	c	0.011	c		17	
2602-46-2	Direct Blue 6	Spring 2015					1	0.1										7.4	C			0.14	C			0.073	c	0.31	c	0.00002	c	0.000088	c	0.011	c		17	
.	Direct Blue 6	Change																								0.001												
16071-86-6	Direct Brown 95	Winter 2015					1	0.1										6.7	C			0.14	C			0.079	c	0.34	c	0.00002	c	0.000088	c	0.012	c			
16071-86-6	Direct Brown 95	Spring 2015					1	0.1										6.7	C			0.14	C			0.081	c	0.34	c	0.00002	c	0.000088	c	0.012	c			
.	Direct Brown 95	Change																								0.002												
505-29-3	Dithiane, 1,4-	Winter 2015	V				1	0.1		0.01	I															62	n	820	n					20	n		0.0097	
505-29-3	Dithiane, 1,4-	Spring 2015	V				1			0.01	I															78	n	1200	n					20	n		0.0097	
.	Dithiane, 1,4-	Change																								16		380										
330-54-1	Diuron	Winter 2015					1	0.1		0.002	I															12	n	160	n					3.6	n		0.0015	
330-54-1	Diuron	Spring 2015					1	0.1		0.002	I															13	n	160	n					3.6	n		0.0015	
.	Diuron	Change																								1												
115-29-7	Endosulfan	Winter 2015					1	0.1		0.006	I															37	n	490	n					10	n		0.14	
115-29-7	Endosulfan	Spring 2015	V				1			0.006	I															47	n	700	n					10	n		0.14	
.	Endosulfan	Change	X																							10		210										
145-73-3	Endothall	Winter 2015					1	0.1		0.02	I															120	n	1600	n					38	n	100	0.0091	0.024
145-73-3	Endothall	Spring 2015					1	0.1		0.02	I															130	n	1600	n					38	n	100	0.0091	0.024
.	Endothall	Change																								10												
72-20-8	Endrin	Winter 2015					1	0.1		0.0003	I															1.8	n	25	n					0.23	n	2	0.0092	0.081
72-20-8	Endrin	Spring 2015					1	0.1		0.0003	I															1.9	n	25	n					0.23	n	2	0.0092	0.081
.	Endrin	Change																								0.1												
16672-87-0	Ethephon	Winter 2015					1	0.1		0.005	I															31	n	410	n					10	n		0.0021	
16672-87-0	Ethephon	Spring 2015					1	0.1		0.005	I															32	n	410	n					10	n		0.0021	
.	Ethephon	Change																								1												
563-12-2	Ethion	Winter 2015					1	0.1		0.0005	I															3.1	n	41	n					0.43	n		0.00085	
563-12-2	Ethion	Spring 2015					1	0.1		0.0005	I															3.2	n	41	n					0.43	n		0.00085	
.	Ethion	Change																								0.1												
111-15-9	Ethoxyethanol Acetate, 2-	Winter 2015					1	0.1		0.1	P			0.06	P											620	n	8200	n	6.3	n	26	n	200	n		0.042	
111-15-9	Ethoxyethanol Acetate, 2-	Spring 2015	V				1		31400	0.1	P			0.06	P											260	n	1400	n	6.3	n	26	n	12	n		0.0025	
.	Ethoxyethanol Acetate, 2-	Change	X																							-360		-6800						-188			-0.0395	
110-80-5	Ethoxyethanol, 2-	Winter 2015					1	0.1		0.09	P			0.2	I											550	n	7400	n	21	n	88	n	180	n		0.036	
110-80-5	Ethoxyethanol, 2-	Spring 2015	V				1		106000	0.09	P			0.2	I											520	n	4700	n	21	n	88	n	34	n		0.0068	
.	Ethoxyethanol, 2-	Change	X																							-30		-2700						-146			-0.0292	
2104-64-5	Ethyl-p-nitrophenyl Phosphonate	Winter 2015					1	0.1		0.00001	I															0.062	n	0.82	n					0.0089	n		0.00028	
2104-64-5	Ethyl-p-nitrophenyl Phosphonate	Spring 2015					1	0.1		0.00001	I															0.063	n	0.82	n					0.0089	n		0.00028	
.	Ethyl-p-nitrophenyl Phosphonate	Change																								0.001												
109-78-4	Ethylene Cyanohydrin	Winter 2015					1	0.1		0.07	P															430	n	5800	n					140	n		0.028	
109-78-4	Ethylene Cyanohydrin	Spring 2015					1	0.1		0.07	P															440	n	5700	n					140	n		0.028	
.	Ethylene Cyanohydrin	Change																								10		-100										
107-15-3	Ethylene Diamine	Winter 2015					1	0.1		0.09	P															550	n	7400	n					180	n		0.041	
107-15-3	Ethylene Diamine	Spring 2015	V				1		189000	0.09	P															700	n	11000	n					180	n		0.041	
.	Ethylene Diamine	Change	X																							150		3600										
107-21-1	Ethylene Glycol	Winter 2015					1	0.1		2	I			0.4	C											12000	n	160000	nm	42	n	180	n	4000	n		0.81	
107-21-1	Ethylene Glycol	Spring 2015					1	0.1		2	I			0.4	C											13000	n	160000	nm	42	n	180	n	4000	n		0.81	
.	Ethylene Glycol	Change																								1000												
111-76-2	Ethylene Glycol Monobutyl Ether	Winter 2015					1	0.1		0.1	I			1.6	I											620	n	8200	n	170	n	700	n	200	n		0.041	
111-76-2	Ethylene Glycol Monobutyl Ether	Spring 2015					1	0.1		0.1	I			1.6	I											630	n	8200	n	170	n	700	n	200	n		0.041	
.	Ethylene Glycol Monobutyl Ether	Change																								10												
96-45-7	Ethylene Thiourea	Winter 2015					1	0.1		0.00008	I							0.045	C			0.000013	C			0.49	n	6.6	n	0.22	c	0.94	c	0.16	n		0.000036	
96-45-7	Ethylene Thiourea	Spring 2015					1	0.1		0.00008	I							0.045	C			0.000013	C			0.51	n	6.6	n	0.22	c	0.94	c	0.16	n		0.000036	
.	Ethylene Thiourea	Change																								0.02												
151-56-4	Ethyleneimine	Winter 2015	V				1	0.1	154000									65	C			0.019	C			0.0025	c	0.011	c	0.00015	c	0.00065	c	0.00024	c		0.000000052	
151-56-4	Ethyleneimine	Spring 2015	V				1		154000									65	C			0.019	C			0.0027	c	0.012	c	0.00015	c	0.00065	c	0.00024	c		0.000000052	
.	Ethyleneimine	Change																								0.0002		0.001										
84-72-0	Ethylphthalyl Ethyl Glycolate	Winter 2015					1	0.1		3	I															18000	n	250000	nm					5800	n		13	
84-72-0	Ethylphthalyl Ethyl Glycolate	Spring 2015					1	0.1		3	I															19000	n	250000	nm					5800	n		13	
.	Ethylphthalyl Ethyl Glycolate	Change																								1000												
101200-48-0	Express	Winter 2015					1	0.1		0.008	I															49	n	660	n					16	n		0.0061	
101200-48-0	Express	Spring 2015					1	0.1		0.008	I															51	n	660	n					16	n		0.0061	
.	Express	Change																								2												
22224-92-6	Fenamiphos	Winter 2015					1	0.1		0.00025	I															1.5	n	21	n					0.44	n		0.00043	
22224-92-6	Fenamiphos	Spring 2015					1	0.1		0.00025	I															1.6	n	21	n					0.44	n		0.00043	
.	Fenamiphos	Change																								0.1												
39515-41-8	Fenpropathrin	Winter 2015					1	0.1		0.025	I															150	n	2100	n					6.4	n		0.29	
39515-41-8	Fenpropathrin	Spring 2015					1	0.1		0.025	I															160	n	2100	n					6.4	n		0.29	
.	Fenpropathrin	Change																								10												
2164-17-2	Fluometuron	Winter 2015					1	0.1		0.013	I															80	n	1100	n					24	n		0.019	
2164-17-2	Fluometuron	Spring 2015					1	0.1		0.013	I															82	n	1100	n					24	n		0.019	
.	Fluometuron	Change																								2												
59756-60-4	Fluridone	Winter 2015					1	0.1		0.08	I															490	n	6600	n					140	n		16	
59756-60-4	Fluridone	Spring 2015					1	0.1		0.08	I															510	n	6600	n					140	n		16	
.	Fluridone	Change																								20												

CAS	Chemical	Type of Observation	v	o	c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k	e	y_2	RfCi (mg/m3)	k	e	y_3	SFO (mg/kg-day)$^{-1}$	k	e	y	IUR (ug/m3)$^{-1}$	k	e	y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
56425-91-3	Flurprimidol	Winter 2015					1	0.1		0.02	I															120	n	1600	n					34	n		0.16	
56425-91-3	Flurprimidol	Spring 2015					1	0.1		0.02	I															130	n	1600	n					34	n		0.16	
.	Flurprimidol	Change																								10												
66332-96-5	Flutolanil	Winter 2015					1	0.1		0.06	I															370	n	4900	n					95	n		0.5	
66332-96-5	Flutolanil	Spring 2015					1	0.1		0.06	I															380	n	4900	n					95	n		0.5	
.	Flutolanil	Change																								10												
69409-94-5	Fluvalinate	Winter 2015					1	0.1		0.01	I															62	n	820	n					20	n		29	
69409-94-5	Fluvalinate	Spring 2015					1	0.1		0.01	I															63	n	820	n					20	n		29	
.	Fluvalinate	Change																								1												
133-07-3	Folpet	Winter 2015					1	0.1		0.1	I							0.0035	I							150	c**	660	c*					20	c**		0.0047	
133-07-3	Folpet	Spring 2015					1	0.1		0.1	I							0.0035	I							160	c**	660	c*					20	c**		0.0047	
.	Folpet	Change																								10												
72178-02-0	Fomesafen	Winter 2015					1	0.1										0.19	I							2.8	c	12	c					0.39	c		0.0013	
72178-02-0	Fomesafen	Spring 2015					1	0.1										0.19	I							2.9	c	12	c					0.39	c		0.0013	
.	Fomesafen	Change																								0.1												
944-22-9	Fonofos	Winter 2015					1	0.1		0.002	I															12	n	160	n					2.4	n		0.0047	
944-22-9	Fonofos	Spring 2015					1	0.1		0.002	I															13	n	160	n					2.4	n		0.0047	
.	Fonofos	Change																								1												
50-00-0	Formaldehyde	Winter 2015					1	0.1		0.2	I			0.0098	A							0.000013	I			1200	n	16000	n	0.22	c**	0.94	c**	400	n		0.08	
50-00-0	Formaldehyde	Spring 2015	V				1		42400	0.2	I			0.0098	A							0.000013	I			17	c**	73	c**	0.22	c**	0.94	c**	0.43	c**		0.000087	
.	Formaldehyde	Change	X																							-1183	XXX	-15927	XXX					-399.57	XXX		-0.079913	
64-18-6	Formic Acid	Winter 2015					1	0.1		0.9	P			0.0003	X											4900	n	52000	n	0.031	n	0.13	n	1800	n		0.36	
64-18-6	Formic Acid	Spring 2015	V				1		106000	0.9	P			0.0003	X											2.9	n	12	n	0.031	n	0.13	n	0.063	n		0.000013	
.	Formic Acid	Change	X																							-4897.1		-51988						-1799.937			-0.359987	
39148-24-8	Fosetyl-AL	Winter 2015					1	0.1		3	I															18000	n	250000	nm					6000	n			
39148-24-8	Fosetyl-AL	Spring 2015					1	0.1		3	I															19000	n	250000	nm					6000	n			
.	Fosetyl-AL	Change																								1000												
67-45-8	Furazolidone	Winter 2015					1	0.1										3.8	H							0.14	c	0.61	c					0.02	c		0.000039	
67-45-8	Furazolidone	Spring 2015					1	0.1										3.8	H							0.14	c	0.6	c					0.02	c		0.000039	
.	Furazolidone	Change																										-0.01										
98-01-1	Furfural	Winter 2015					1	0.1		0.003	I			0.05	H											18	n	250	n	5.2	n	22	n	6	n		0.0013	
98-01-1	Furfural	Spring 2015	V				1		10100	0.003	I			0.05	H											21	n	260	n	5.2	n	22	n	3.8	n		0.00081	
.	Furfural	Change	X																							3		10						-2.2			-0.00049	
765-34-4	Glycidyl	Winter 2015					1	0.1		0.0004	I			0.001	H											2.5	n	33	n	0.1	n	0.44	n	0.8	n		0.00016	
765-34-4	Glycidyl	Spring 2015	V				1		106000	0.0004	I			0.001	H											2.2	n	19	n	0.1	n	0.44	n	0.17	n		0.000033	
.	Glycidyl	Change	X																							-0.3		-14						-0.63			-0.000127	
1071-83-6	Glyphosate	Winter 2015					1	0.1		0.1	I															620	n	8200	n					200	n	700	0.88	3.1
1071-83-6	Glyphosate	Spring 2015					1	0.1		0.1	I															630	n	8200	n					200	n	700	0.88	3.1
.	Glyphosate	Change																								10												
42874-03-3	Goal	Winter 2015					1	0.1		0.003	I															18	n	250	n					3.2	n		0.25	
42874-03-3	Goal	Spring 2015					1	0.1		0.003	I															19	n	250	n					3.2	n		0.25	
.	Goal	Change																								1												
113-00-8	Guanidine	Winter 2015					1	0.1		0.01	X															62	n	820	n					20	n		0.0045	
113-00-8	Guanidine	Spring 2015	V				1			0.01	X															78	n	1200	n					20	n		0.0045	
.	Guanidine	Change	X																							16		380										
50-01-1	Guanidine Chloride	Winter 2015					1	0.1		0.02	P															120	n	1600	n					40	n			
50-01-1	Guanidine Chloride	Spring 2015					1	0.1		0.02	P															130	n	1600	n					40	n			
.	Guanidine Chloride	Change																								10												
86-50-0	Guthion	Winter 2015					1	0.1		0.003	A			0.01	A											18	n	250	n	1	n	4.4	n	5.6	n		0.0017	
86-50-0	Guthion	Spring 2015					1	0.1		0.003	A			0.01	A											19	n	250	n	1	n	4.4	n	5.6	n		0.0017	
.	Guthion	Change																								1												
69806-40-2	Haloxyfop, Methyl	Winter 2015					1	0.1		0.00005	I															0.31	n	4.1	n					0.076	n		0.00084	
69806-40-2	Haloxyfop, Methyl	Spring 2015					1	0.1		0.00005	I															0.32	n	4.1	n					0.076	n		0.00084	
.	Haloxyfop, Methyl	Change																								0.01												
79277-27-3	Harmony	Winter 2015					1	0.1		0.013	I															80	n	1100	n					26	n		0.0078	
79277-27-3	Harmony	Spring 2015					1	0.1		0.013	I															82	n	1100	n					26	n		0.0078	
.	Harmony	Change																								2												
76-44-8	Heptachlor	Winter 2015					1	0.1		0.0005	I							4.5	I			0.0013	I			0.12	c*	0.51	c*	0.0022	c	0.0094	c	0.002	c*	0.4	0.00016	0.033
76-44-8	Heptachlor	Spring 2015	V				1			0.0005	I							4.5	I			0.0013	I			0.13	c*	0.63	c*	0.0022	c	0.0094	c	0.0014	c*	0.4	0.00011	0.033
.	Heptachlor	Change	X																							0.01		0.12						-0.0006				
1024-57-3	Heptachlor Epoxide	Winter 2015					1	0.1		0.000013	I							9.1	I			0.0026	I			0.059	c**	0.25	c**	0.0011	c	0.0047	c	0.0038	c**	0.2	0.000078	0.0041
1024-57-3	Heptachlor Epoxide	Spring 2015	V				1			0.000013	I							9.1	I			0.0026	I			0.07	c**	0.33	c**	0.0011	c	0.0047	c	0.0014	c**	0.2	0.000028	0.0041
.	Heptachlor Epoxide	Change	X																							0.011		0.08						-0.0024				
87-82-1	Hexabromobenzene	Winter 2015					1	0.1		0.002	I															12	n	160	n					4	n		0.023	
87-82-1	Hexabromobenzene	Spring 2015	V				1			0.002	I															16	n	230	n					4	n		0.023	
.	Hexabromobenzene	Change	X																							4		70										
68631-49-2	Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	Winter 2015					1	0.1		0.0002	I															1.2	n	16	n					0.4	n			
68631-49-2	Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	Spring 2015					1	0.1		0.0002	I															1.3	n	16	n					0.4	n			
.	Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	Change																								0.1												
118-74-1	Hexachlorobenzene	Winter 2015					1	0.1		0.0008	I							1.6	I			0.00046	I			0.33	c*	1.4	c*	0.0061	c	0.027	c	0.049	c*	1	0.00061	0.013
118-74-1	Hexachlorobenzene	Spring 2015	V				1			0.0008	I							1.6	I			0.00046	I			0.21	c*	0.96	c*	0.0061	c	0.027	c	0.0098	c	1	0.00012	0.013
.	Hexachlorobenzene	Change	X																							-0.12		-0.44						-0.0392	X		-0.00049	
87-68-3	Hexachlorobutadiene	Winter 2015					1	0.1		0.001	P							0.078	I			0.000022	I			6.2	n	30	c**	0.13	c	0.56	c	0.3	c**		0.00057	
87-68-3	Hexachlorobutadiene	Spring 2015	V				1		16.8	0.001	P							0.078	I			0.000022	I			1.2	c**	5.3	c*	0.13	c	0.56	c	0.14	c**		0.00026	
.	Hexachlorobutadiene	Change	X																							-5	XXX	-24.7	X					-0.16			-0.00031	
319-84-6	Hexachlorocyclohexane, Alpha-	Winter 2015					1	0.1		0.008	A							6.3	I			0.0018	I			0.085	c	0.37	c	0.0016	c	0.0068	c	0.0071	c		0.000041	
319-84-6	Hexachlorocyclohexane, Alpha-	Spring 2015					1	0.1		0.008	A							6.3	I			0.0018	I			0.086	c	0.36	c	0.0016	c	0.0068	c	0.0071	c		0.000041	
.	Hexachlorocyclohexane, Alpha-	Change																								0.001		-0.01										
58-89-9	Hexachlorocyclohexane, Gamma- (Lindane)	Winter 2015					1	0.04		0.0003	I							1.1	C			0.00031	C			0.56	c**	2.5	c*	0.0091	c	0.04	c	0.041	c**	0.2	0.00024	0.0012
58-89-9	Hexachlorocyclohexane, Gamma- (Lindane)	Spring 2015					1	0.04		0.0003	I							1.1	C			0.00031	C			0.57	c**	2.5	c*	0.0091	c	0.04	c	0.041	c**	0.2	0.00024	0.0012
.	Hexachlorocyclohexane, Gamma- (Lindane)	Change																								0.01												
77-47-4	Hexachlorocyclopentadiene	Winter 2015					1	0.1		0.006	I			0.0002	I											37	n	490	n	0.021	n	0.088	n	3.1	n	50	0.0096	0.16
77-47-4	Hexachlorocyclopentadiene	Spring 2015	V				1		15.7	0.006	I			0.0002	I											0.18	n	0.75	n	0.021	n	0.088	n	0.041	n	50	0.00013	0.16
.	Hexachlorocyclopentadiene	Change	X																							-36.82		-489.25						-3.059			-0.00947	
67-72-1	Hexachloroethane	Winter 2015					1	0.1		0.0007	I			0.03	I			0.04	I			0.000011	C			4.3	n	58	c**	0.26	c*	1.1	c*	0.69	n		0.00042	
67-72-1	Hexachloroethane	Spring 2015	V				1			0.0007	I			0.03	I			0.04	I			0.000011	C			1.8	c**	8	c**	0.26	c*	1.1	c*	0.33	c**		0.0002	
.	Hexachloroethane	Change	X																							-2.5	XXX	-50						-0.36	XXX		-0.00022	
70-30-4	Hexachlorophene	Winter 2015					1	0.1		0.0003	I															1.8	n	25	n					0.6	n		0.8	
70-30-4	Hexachlorophene	Spring 2015					1	0.1		0.0003	I															1.9	n	25	n					0.6	n		0.8	
.	Hexachlorophene	Change																								0.1												

CAS	Chemical	Type of Observation	v o c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k e y_2	RfCi (mg/m3)	k e y_3	SFO (mg/kg-day)$^{-1}$	k e y	IUR (ug/m3)$^{-1}$	k e y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	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)	Winter 2015			1	0.015		0.003	I			0.11	I			6	c**	28	c*					0.7	c**		0.00027	
121-82-4	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	Spring 2015			1	0.015		0.003	I			0.11	I			6.1	c**	28	c*					0.7	c**		0.00027	
.	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	Change														0.1												
124-04-9	Hexanedioic Acid	Winter 2015			1	0.1		2	P							12000	n	160000	nm					4000	n		0.99	
124-04-9	Hexanedioic Acid	Spring 2015			1	0.1		2	P							13000	n	160000	nm					4000	n		0.99	
.	Hexanedioic Acid	Change														1000												
51235-04-2	Hexazinone	Winter 2015			1	0.1		0.033	I							200	n	2700	n					64	n		0.03	
51235-04-2	Hexazinone	Spring 2015			1	0.1		0.033	I							210	n	2700	n					64	n		0.03	
.	Hexazinone	Change														10												
302-01-2	Hydrazine	Winter 2015			1					0.00003	P	3	I	0.0049	I	0.23	c	1.1	c	0.00057	c**	0.0025	c**	0.026	c			
302-01-2	Hydrazine	Spring 2015	V		1					0.00003	P	3	I	0.0049	I	0.23	c	1.1	c	0.00057	c**	0.0025	c**	0.0011	c**			
.	Hydrazine	Change	X																					-0.0249	.XX			
7647-01-0	Hydrogen Chloride	Winter 2015			1					0.02	I					2800000	nm	12000000	nm	2.1	n	8.8	n					
7647-01-0	Hydrogen Chloride	Spring 2015	V		1					0.02	I					2800000	nm	12000000	nm	2.1	n	8.8	n	4.2	n			
.	Hydrogen Chloride	Change	X																						X			
7664-39-3	Hydrogen Fluoride	Winter 2015			1			0.04	C	0.014	C					310	n	4700	n	1.5	n	6.1	n	80	n			
7664-39-3	Hydrogen Fluoride	Spring 2015	V		1			0.04	C	0.014	C					310	n	4700	n	1.5	n	6.1	n	2.8	n			
.	Hydrogen Fluoride	Change	X																					-77.2				
7783-06-4	Hydrogen Sulfide	Winter 2015			1					0.002	I					280000	nm	1200000	nm	0.21	n	0.88	n					
7783-06-4	Hydrogen Sulfide	Spring 2015	V		1					0.002	I					280000	nm	1200000	nm	0.21	n	0.88	n	0.42	n			
.	Hydrogen Sulfide	Change	X																						X			
123-31-9	Hydroquinone	Winter 2015			1	0.1		0.04	P			0.06	P			8.9	c*	38	c*					1.3	c*		0.00087	
123-31-9	Hydroquinone	Spring 2015			1	0.1		0.04	P			0.06	P			9	c*	38	c*					1.3	c*		0.00087	
.	Hydroquinone	Change														0.1												
35554-44-0	Imazalil	Winter 2015			1	0.1		0.013	I							80	n	1100	n					19	n		0.32	
35554-44-0	Imazalil	Spring 2015			1	0.1		0.013	I							82	n	1100	n					19	n		0.32	
.	Imazalil	Change														2												
81335-37-7	Imazaquin	Winter 2015			1	0.1		0.25	I							1500	n	21000	n					490	n		2.4	
81335-37-7	Imazaquin	Spring 2015			1	0.1		0.25	I							1600	n	21000	n					490	n		2.4	
.	Imazaquin	Change														100												
78-83-1	Isobutyl Alcohol	Winter 2015			1	0.1		0.3	I							1800	n	25000	n					590	n		0.12	
78-83-1	Isobutyl Alcohol	Spring 2015	V		1		10000	0.3	I							2300	n	35000	ns					590	n		0.12	
.	Isobutyl Alcohol	Change	X													500		10000	.X									
78-59-1	Isophorone	Winter 2015			1	0.1		0.2	I	2	C	0.00095	I			560	c**	2400	c**	210	n	880	n	78	c**		0.026	
78-59-1	Isophorone	Spring 2015			1	0.1		0.2	I	2	C	0.00095	I			570	c**	2400	c**	210	n	880	n	78	c**		0.026	
.	Isophorone	Change														10												
33820-53-0	Isopropalin	Winter 2015			1	0.1		0.015	I							92	n	1200	n					4	n		0.092	
33820-53-0	Isopropalin	Spring 2015	V		1			0.015	I							120	n	1800	n					4	n		0.092	
.	Isopropalin	Change	X													28		600										
67-63-0	Isopropanol	Winter 2015			1	0.1		2	P	0.2	P					12000	n	160000	nm	21	n	88	n	4000	n		0.81	
67-63-0	Isopropanol	Spring 2015	V		1		109000	2	P	0.2	P					560	n	2400	n	21	n	88	n	41	n		0.0084	
.	Isopropanol	Change	X													-11440		-157600	.X					-3959			-0.8016	
1832-54-8	Isopropyl Methyl Phosphonic Acid	Winter 2015			1	0.1		0.1	I							620	n	8200	n					200	n		0.043	
1832-54-8	Isopropyl Methyl Phosphonic Acid	Spring 2015			1	0.1		0.1	I							630	n	8200	n					200	n		0.043	
.	Isopropyl Methyl Phosphonic Acid	Change														10												
82558-50-7	Isoxaben	Winter 2015			1	0.1		0.05	I							310	n	4100	n					73	n		0.2	
82558-50-7	Isoxaben	Spring 2015			1	0.1		0.05	I							320	n	4100	n					73	n		0.2	
.	Isoxaben	Change														10												
23950-58-5	Kerb	Winter 2015			1	0.1		0.075	I							460	n	6200	n					120	n		0.12	
23950-58-5	Kerb	Spring 2015			1	0.1		0.075	I							470	n	6200	n					120	n		0.12	
.	Kerb	Change														10												
77501-63-4	Lactofen	Winter 2015			1	0.1		0.002	I							12	n	160	n					2.5	n		0.12	
77501-63-4	Lactofen	Spring 2015			1	0.1		0.002	I							13	n	160	n					2.5	n		0.12	
.	Lactofen	Change														1												
330-55-2	Linuron	Winter 2015			1	0.1		0.002	I							12	n	160	n					3.3	n		0.0029	
330-55-2	Linuron	Spring 2015			1	0.1		0.002	I							13	n	160	n					3.3	n		0.0029	
.	Linuron	Change														1												
83055-99-6	Londax	Winter 2015			1	0.1		0.2	I							1200	n	16000	n					390	n		0.1	
83055-99-6	Londax	Spring 2015			1	0.1		0.2	I							1300	n	16000	n					390	n		0.1	
.	Londax	Change														100												
94-74-6	MCPA	Winter 2015			1	0.1		0.0005	I							3.1	n	41	n					0.75	n		0.0002	
94-74-6	MCPA	Spring 2015			1	0.1		0.0005	I							3.2	n	41	n					0.75	n		0.0002	
.	MCPA	Change														0.1												
94-81-5	MCPB	Winter 2015			1	0.1		0.01	I							62	n	820	n					15	n		0.0058	
94-81-5	MCPB	Spring 2015			1	0.1		0.01	I							63	n	820	n					15	n		0.0058	
.	MCPB	Change														1												
93-65-2	MCPP	Winter 2015			1	0.1		0.001	I							6.2	n	82	n					1.6	n		0.00046	
93-65-2	MCPP	Spring 2015			1	0.1		0.001	I							6.3	n	82	n					1.6	n		0.00046	
.	MCPP	Change														0.1												
121-75-5	Malathion	Winter 2015			1	0.1		0.02	I							120	n	1600	n					39	n		0.01	
121-75-5	Malathion	Spring 2015			1	0.1		0.02	I							130	n	1600	n					39	n		0.01	
.	Malathion	Change														10												
108-31-6	Maleic Anhydride	Winter 2015			1	0.1		0.1	I	0.0007	C					610	n	8100	n	0.073	n	0.31	n	190	n		0.038	
108-31-6	Maleic Anhydride	Spring 2015			1	0.1		0.1	I	0.0007	C					630	n	8000	n	0.073	n	0.31	n	190	n		0.038	
.	Maleic Anhydride	Change														20		-100										
123-33-1	Maleic Hydrazide	Winter 2015			1	0.1		0.5	I							3100	n	41000	n					1000	n		0.21	
123-33-1	Maleic Hydrazide	Spring 2015			1	0.1		0.5	I							3200	n	41000	n					1000	n		0.21	
.	Maleic Hydrazide	Change														100												
109-77-3	Malononitrile	Winter 2015			1	0.1		0.0001	P							0.62	n	8.2	n					0.2	n		0.000041	
109-77-3	Malononitrile	Spring 2015			1	0.1		0.0001	P							0.63	n	8.2	n					0.2	n		0.000041	
.	Malononitrile	Change														0.01												
8018-01-7	Mancozeb	Winter 2015			1	0.1		0.03	H							180	n	2500	n					59	n		0.084	
8018-01-7	Mancozeb	Spring 2015			1	0.1		0.03	H							190	n	2500	n					54	n			
.	Mancozeb	Change														10								-5				
12427-38-2	Maneb	Winter 2015			1	0.1		0.005	I							31	n	410	n					9.9	n		0.014	
12427-38-2	Maneb	Spring 2015			1	0.1		0.005	I							32	n	410	n					9.8	n		0.014	
.	Maneb	Change														1								-0.1				
950-10-7	Mephosfolan	Winter 2015			1	0.1		0.00009	H							0.55	n	7.4	n					0.18	n		0.00026	
950-10-7	Mephosfolan	Spring 2015			1	0.1		0.00009	H							0.57	n	7.4	n					0.18	n		0.00026	
.	Mephosfolan	Change														0.02												

CAS	Chemical	Type of Observation	v	o	c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k	e	y_2	RfCi (mg/m3)	k	e	y_3	SFO (mg/kg-day)$^{-1}$	k	e	y	IUR (ug/m3)$^{-1}$	k	e	y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
24307-26-4	Mepiquat Chloride	Winter 2015					1	0.1		0.03	I															180	n	2500	n					60	n		0.02	
24307-26-4	Mepiquat Chloride	Spring 2015					1	0.1		0.03	I															190	n	2500	n					60	n		0.02	
.	Mepiquat Chloride	Change																								10												
150-50-5	Merphos	Winter 2015					1	0.1		0.00003	I															0.18	n	2.5	n					0.06	n		0.0059	
150-50-5	Merphos	Spring 2015	V				1			0.00003	I															0.23	n	3.5	n					0.06	n		0.0059	
.	Merphos	Change	X																							0.05		1										
78-48-8	Merphos Oxide	Winter 2015					1	0.1		0.00003	I															0.18	n	2.5	n					0.0085	n		0.000042	
78-48-8	Merphos Oxide	Spring 2015					1	0.1		0.00003	I															0.19	n	2.5	n					0.0085	n		0.000042	
.	Merphos Oxide	Change																								0.01												
57837-19-1	Metalaxyl	Winter 2015					1	0.1		0.06	I															370	n	4900	n					120	n		0.033	
57837-19-1	Metalaxyl	Spring 2015					1	0.1		0.06	I															380	n	4900	n					120	n		0.033	
.	Metalaxyl	Change																								10												
10265-92-6	Methamidophos	Winter 2015					1	0.1		0.00005	I															0.31	n	4.1	n					0.1	n		0.000021	
10265-92-6	Methamidophos	Spring 2015					1	0.1		0.00005	I															0.32	n	4.1	n					0.1	n		0.000021	
.	Methamidophos	Change																								0.01												
67-56-1	Methanol	Winter 2015					1	0.1		2	I			20	I											12000	n	160000	nm	2100	n	8800	n	4000	n		0.81	
67-56-1	Methanol	Spring 2015	V				1		106000	2	I			20	I											12000	n	120000	nms	2100	n	8800	n	2000	n		0.41	
.	Methanol	Change	X																									-40000	X					-2000			-0.4	
950-37-8	Methidathion	Winter 2015					1	0.1		0.001	I															6.2	n	82	n					1.9	n		0.00047	
950-37-8	Methidathion	Spring 2015					1	0.1		0.001	I															6.3	n	82	n					1.9	n		0.00047	
.	Methidathion	Change																								0.1												
16752-77-5	Methomyl	Winter 2015					1	0.1		0.025	I															150	n	2100	n					50	n		0.011	
16752-77-5	Methomyl	Spring 2015					1	0.1		0.025	I															160	n	2100	n					50	n		0.011	
.	Methomyl	Change																								10												
72-43-5	Methoxychlor	Winter 2015					1	0.1		0.005	I															31	n	410	n					3.7	n	40	0.2	2.2
72-43-5	Methoxychlor	Spring 2015					1	0.1		0.005	I															32	n	410	n					3.7	n	40	0.2	2.2
.	Methoxychlor	Change																								1												
110-49-6	Methoxyethanol Acetate, 2-	Winter 2015					1	0.1		0.008	P			0.001	P											49	n	660	n	0.1	n	0.44	n	16	n		0.0033	
110-49-6	Methoxyethanol Acetate, 2-	Spring 2015	V				1		115000	0.008	P			0.001	P											11	n	51	n	0.1	n	0.44	n	0.21	n		0.000042	
.	Methoxyethanol Acetate, 2-	Change	X																							-38		-609						-15.79			-0.003258	
109-86-4	Methoxyethanol, 2-	Winter 2015					1	0.1		0.005	P			0.02	I											31	n	410	n	2.1	n	8.8	n	10	n		0.002	
109-86-4	Methoxyethanol, 2-	Spring 2015	V				1		106000	0.005	P			0.02	I											33	n	350	n	2.1	n	8.8	n	2.9	n		0.00059	
.	Methoxyethanol, 2-	Change	X																							2		-60						-7.1			-0.00141	
60-34-4	Methyl Hydrazine	Winter 2015					1	0.1		0.001	P			0.00002	X							0.001	X			6.2	n	82	n	0.0021	n	0.0088	n	2	n		0.00045	
60-34-4	Methyl Hydrazine	Spring 2015	V				1		180000	0.001	P			0.00002	X							0.001	X			0.31	n	1.4	n	0.0021	n	0.0088	n	0.0042	n		0.00000094	
.	Methyl Hydrazine	Change	X																							-5.89		-80.6						-1.9958			-0.00044906	
624-83-9	Methyl Isocyanate	Winter 2015	V				1	0.1	16700					0.001	C											0.46	n	1.9	n	0.1	n	0.44	n	0.21	n		0.000059	
624-83-9	Methyl Isocyanate	Spring 2015	V				1		16700					0.001	C											0.46	n	1.9	n	0.1	n	0.44	n	0.21	n		0.000059	
.	Methyl Isocyanate	Change																								0.1												
298-00-0	Methyl Parathion	Winter 2015					1	0.1		0.00025	I															1.5	n	21	n					0.45	n		0.00074	
298-00-0	Methyl Parathion	Spring 2015					1	0.1		0.00025	I															1.6	n	21	n					0.45	n		0.00074	
.	Methyl Parathion	Change																								0.1												
993-13-5	Methyl Phosphonic Acid	Winter 2015					1	0.1		0.06	X															370	n	4900	n					120	n		0.024	
993-13-5	Methyl Phosphonic Acid	Spring 2015					1	0.1		0.06	X															380	n	4900	n					120	n		0.024	
.	Methyl Phosphonic Acid	Change																								10												
25013-15-4	Methyl Styrene (Mixed Isomers)	Winter 2015	V				1		393	0.006	H			0.04	H											23	n	150	n	4.2	n	18	n	3.8	n		0.0062	
25013-15-4	Methyl Styrene (Mixed Isomers)	Spring 2015	V				1		393	0.006	H			0.04	H											24	n	160	n	4.2	n	18	n	3.8	n		0.0062	
.	Methyl Styrene (Mixed Isomers)	Change																								1		10										
66-27-3	Methyl methanesulfonate	Winter 2015					1	0.1										0.099	C			0.000028	C			5.4	c	23	c	0.1	c	0.44	c	0.79	c		0.00016	
66-27-3	Methyl methanesulfonate	Spring 2015					1	0.1										0.099	C			0.000028	C			5.5	c	23	c	0.1	c	0.44	c	0.79	c		0.00016	
.	Methyl methanesulfonate	Change																								0.1												
615-45-2	Methyl-1,4-benzenediamine dihydrochloride, 2-	Winter 2015					1	0.1		0.0003	X															1.8	n	25	n					0.6	n		0.00036	
615-45-2	Methyl-1,4-benzenediamine dihydrochloride, 2-	Spring 2015					1	0.1		0.0003	X															1.9	n	25	n					0.6	n		0.00036	
.	Methyl-1,4-benzenediamine dihydrochloride, 2-	Change																								0.1												
99-55-8	Methyl-5-Nitroaniline, 2-	Winter 2015					1	0.1		0.02	X							0.009	P							59	c**	260	c**					8.1	c**		0.0045	
99-55-8	Methyl-5-Nitroaniline, 2-	Spring 2015					1	0.1		0.02	X							0.009	P							60	c**	260	c**					8.1	c**		0.0045	
.	Methyl-5-Nitroaniline, 2-	Change																								1												
70-25-7	Methyl-N-nitro-N-nitrosoguanidine, N-	Winter 2015					1	0.1										8.3	C			0.0024	C			0.064	c	0.28	c	0.0012	c	0.0051	c	0.0094	c		0.0000032	
70-25-7	Methyl-N-nitro-N-nitrosoguanidine, N-	Spring 2015					1	0.1										8.3	C			0.0024	C			0.065	c	0.28	c	0.0012	c	0.0051	c	0.0094	c		0.0000032	
.	Methyl-N-nitro-N-nitrosoguanidine, N-	Change																								0.001												
636-21-5	Methylaniline Hydrochloride, 2-	Winter 2015					1	0.1										0.13	C			0.000037	C			4.1	c	18	c	0.076	c	0.33	c	0.57	c		0.00025	
636-21-5	Methylaniline Hydrochloride, 2-	Spring 2015					1	0.1										0.13	C			0.000037	C			4.2	c	18	c	0.076	c	0.33	c	0.6	c		0.00026	
.	Methylaniline Hydrochloride, 2-	Change																								0.1								0.03				
124-58-3	Methylarsonic acid	Winter 2015					1	0.1		0.01	A															62	n	820	n					20	n			
124-58-3	Methylarsonic acid	Spring 2015					1	0.1		0.01	A															63	n	820	n					20	n			
.	Methylarsonic acid	Change																								1												
74612-12-7	Methylbenzene,1-4-diamine monohydrochloride, 2-	Winter 2015					1	0.1		0.0002	X															1.2	n	16	n					0.4	n			
74612-12-7	Methylbenzene,1-4-diamine monohydrochloride, 2-	Spring 2015					1	0.1		0.0002	X															1.3	n	16	n					0.4	n			
.	Methylbenzene,1-4-diamine monohydrochloride, 2-	Change																								0.1												
615-50-9	Methylbenzene-1,4-diamine sulfate, 2-	Winter 2015					1	0.1		0.0003	X							0.1	X							1.8	n	23	c**					0.6	n			
615-50-9	Methylbenzene-1,4-diamine sulfate, 2-	Spring 2015					1	0.1		0.0003	X							0.1	X							1.9	n	23	c**					0.6	n			
.	Methylbenzene-1,4-diamine sulfate, 2-	Change																								0.1												
101-77-9	Methylenebisbenzenamine, 4,4'-	Winter 2015					1	0.1						0.02	C			1.6	C			0.00046	C			0.33	c	1.4	c	0.0061	c	0.027	c	0.047	c		0.00021	
101-77-9	Methylenebisbenzenamine, 4,4'-	Spring 2015					1	0.1						0.02	C			1.6	C			0.00046	C			0.34	c	1.4	c	0.0061	c	0.027	c	0.047	c		0.00021	
.	Methylenebisbenzenamine, 4,4'-	Change																								0.01												
51218-45-2	Metolachlor	Winter 2015					1	0.1		0.15	I															920	n	12000	n					270	n		0.32	
51218-45-2	Metolachlor	Spring 2015					1	0.1		0.15	I															950	n	12000	n					270	n		0.32	
.	Metolachlor	Change																								30												
21087-64-9	Metribuzin	Winter 2015					1	0.1		0.025	I															150	n	2100	n					49	n		0.015	
21087-64-9	Metribuzin	Spring 2015					1	0.1		0.025	I															160	n	2100	n					49	n		0.015	
.	Metribuzin	Change																								10												
8012-95-1	Mineral oils	Winter 2015	V				1	0.1	0.342	3	P															18000	ns	250000	nms					6000	n		240	
8012-95-1	Mineral oils	Spring 2015	V				1		0.342	3	P															23000	ns	350000	nms					6000	n		240	
.	Mineral oils	Change																								5000		100000										
2385-85-5	Mirex	Winter 2015					1	0.1		0.0002	I							18	C			0.0051	C			0.03	c*	0.13	c	0.00055	c	0.0024	c	0.0043	c*		0.0031	
2385-85-5	Mirex	Spring 2015	V				1			0.0002	I							18	C			0.0051	C			0.036	c*	0.17	c	0.00055	c	0.0024	c	0.00088	c		0.00063	
.	Mirex	Change	X																							0.006		0.04						-0.00342	X		-0.00247	
2212-67-1	Molinate	Winter 2015					1	0.1		0.002	I															12	n	160	n					3	n		0.0017	
2212-67-1	Molinate	Spring 2015					1	0.1		0.002	I															13	n	160	n					3	n		0.0017	
.	Molinate	Change																								1												

CAS	Chemical	Type of Observation	v o c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k e y_2	RfCi (mg/m3)	k e y_3	SFO (mg/kg-day)$^{-1}$	k e y	IUR (ug/m3)$^{-1}$	k e y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
100-61-8	Monomethylaniline	Winter 2015			1	0.1		0.002	P							12	n	160	n					3.8	n		0.0014	
100-61-8	Monomethylaniline	Spring 2015			1	0.1		0.002	P							13	n	160	n					3.8	n		0.0014	
.	Monomethylaniline	Change														1												
74-31-7	N,N'-Diphenyl-1,4-benzenediamine	Winter 2015			1	0.1		0.0003	X							1.8	n	25	n					0.36	n		0.037	
74-31-7	N,N'-Diphenyl-1,4-benzenediamine	Spring 2015			1	0.1		0.0003	X							1.9	n	25	n					0.36	n		0.037	
.	N,N'-Diphenyl-1,4-benzenediamine	Change														0.1												
300-76-5	Naled	Winter 2015			1	0.1		0.002	I							12	n	160	n					4	n		0.0018	
300-76-5	Naled	Spring 2015	V		1			0.002	I							16	n	230	n					4	n		0.0018	
.	Naled	Change	X													4		70										
15299-99-7	Napropamide	Winter 2015			1	0.1		0.1	I							620	n	8200	n					160	n		1.1	
15299-99-7	Napropamide	Spring 2015			1	0.1		0.1	I							630	n	8200	n					160	n		1.1	
.	Napropamide	Change														10												
373-02-4	Nickel Acetate	Winter 2015			0.04			0.011	C	0.000014	C			0.00026	C	82	n	1100	n	0.0015	n	0.0061	n	20	n			
373-02-4	Nickel Acetate	Spring 2015			1	0.1		0.011	C	0.000014	C			0.00026	C	67	n	810	n	0.0015	n	0.0061	n	22	n			
.	Nickel Acetate	Change			0.96											-15		-290						2				
3333-67-3	Nickel Carbonate	Winter 2015			0.04			0.011	C	0.000014	C			0.00026	C	82	n	1100	n	0.0015	n	0.0061	n	20	n			
3333-67-3	Nickel Carbonate	Spring 2015			1	0.1		0.011	C	0.000014	C			0.00026	C	67	n	810	n	0.0015	n	0.0061	n	22	n			
.	Nickel Carbonate	Change			0.96											-15		-290						2				
13463-39-3	Nickel Carbonyl	Winter 2015			0.04			0.011	C	0.000014	C			0.00026	C	82	n	1100	n	0.0015	n	0.0061	n	20	n			
13463-39-3	Nickel Carbonyl	Spring 2015	V		1			0.011	C	0.000014	C			0.00026	C	82	n	1100	n	0.0015	n	0.0061	n	0.0029	n			
.	Nickel Carbonyl	Change	X		0.96																			-19.9971				
1271-28-9	Nickelocene	Winter 2015			0.04			0.011	C	0.000014	C			0.00026	C	82	n	1100	n	0.0015	n	0.0061	n	20	n			
1271-28-9	Nickelocene	Spring 2015			1	0.1		0.011	C	0.000014	C			0.00026	C	67	n	810	n	0.0015	n	0.0061	n	22	n			
.	Nickelocene	Change			0.96											-15		-290						2				
88-74-4	Nitroaniline, 2-	Winter 2015			1	0.1		0.01	X	0.00005	X					61	n	800	n	0.0052	n	0.022	n	19	n		0.008	
88-74-4	Nitroaniline, 2-	Spring 2015			1	0.1		0.01	X	0.00005	X					63	n	800	n	0.0052	n	0.022	n	19	n		0.008	
.	Nitroaniline, 2-	Change														2												
100-01-6	Nitroaniline, 4-	Winter 2015			1	0.1		0.004	P	0.006	P	0.02	P			25	n	120	c**	0.63	n	2.6	n	3.8	c**		0.0016	
100-01-6	Nitroaniline, 4-	Spring 2015			1	0.1		0.004	P	0.006	P	0.02	P			25	n	110	c**	0.63	n	2.6	n	3.8	c**		0.0016	
.	Nitroaniline, 4-	Change																-10										
9004-70-0	Nitrocellulose	Winter 2015			1	0.1		3000	P							18000000	nm	250000000	nm					6000000	n		1300	
9004-70-0	Nitrocellulose	Spring 2015			1	0.1		3000	P							19000000	nm	250000000	nm					6000000	n		1300	
.	Nitrocellulose	Change														1000000												
67-20-9	Nitrofurantoin	Winter 2015			1	0.1		0.07	H							430	n	5800	n					140	n		0.061	
67-20-9	Nitrofurantoin	Spring 2015			1	0.1		0.07	H							440	n	5700	n					140	n		0.061	
.	Nitrofurantoin	Change														10		-100										
59-87-0	Nitrofurazone	Winter 2015			1	0.1						1.3	C	0.00037	C	0.41	c	1.8	c	0.0076	c	0.033	c	0.06	c		0.000054	
59-87-0	Nitrofurazone	Spring 2015			1	0.1						1.3	C	0.00037	C	0.42	c	1.8	c	0.0076	c	0.033	c	0.06	c		0.000054	
.	Nitrofurazone	Change														0.01												
55-63-0	Nitroglycerin	Winter 2015			1	0.1		0.0001	P			0.017	P			0.62	n	8.2	n					0.2	n		0.000085	
55-63-0	Nitroglycerin	Spring 2015			1	0.1		0.0001	P			0.017	P			0.63	n	8.2	n					0.2	n		0.000085	
.	Nitroglycerin	Change														0.01												
556-88-7	Nitroguanidine	Winter 2015			1	0.1		0.1	I							620	n	8200	n					200	n		0.048	
556-88-7	Nitroguanidine	Spring 2015			1	0.1		0.1	I							630	n	8200	n					200	n		0.048	
.	Nitroguanidine	Change														10												
759-73-9	Nitroso-N-ethylurea, N-	Winter 2015		M	1	0.1						27	C	0.0077	C	0.0044	c	0.086	c	0.00013	c	0.0016	c	0.00092	c		0.00000022	
759-73-9	Nitroso-N-ethylurea, N-	Spring 2015		M	1	0.1						27	C	0.0077	C	0.0045	c	0.085	c	0.00013	c	0.0016	c	0.00092	c		0.00000022	
.	Nitroso-N-ethylurea, N-	Change																-0.001										
924-16-3	Nitroso-di-N-butylamine, N-	Winter 2015	V		1							5.4	I	0.0016	I	0.094	c	0.43	c	0.0018	c	0.0077	c	0.0027	c		0.0000055	
924-16-3	Nitroso-di-N-butylamine, N-	Spring 2015	V		1							5.4	I	0.0016	I	0.099	c	0.46	c	0.0018	c	0.0077	c	0.0027	c		0.0000055	
.	Nitroso-di-N-butylamine, N-	Change														0.005		0.03										
621-64-7	Nitroso-di-N-propylamine, N-	Winter 2015			1	0.1						7	I	0.002	C	0.076	c	0.33	c	0.0014	c	0.0061	c	0.011	c		0.0000081	
621-64-7	Nitroso-di-N-propylamine, N-	Spring 2015			1	0.1						7	I	0.002	C	0.078	c	0.33	c	0.0014	c	0.0061	c	0.011	c		0.0000081	
.	Nitroso-di-N-propylamine, N-	Change														0.002												
62-75-9	Nitrosodimethylamine, N-	Winter 2015		M	1	0.1		0.000008	P	0.00004	X	51	I	0.014	I	0.0023	c*	0.045	c*	0.000072	c*	0.00088	c*	0.00049	c*		0.00000012	
62-75-9	Nitrosodimethylamine, N-	Spring 2015	V	M	1		237000	0.000008	P	0.00004	X	51	I	0.014	I	0.002	c*	0.034	c*	0.000072	c*	0.00088	c*	0.00045	c*		0.00000011	
.	Nitrosodimethylamine, N-	Change	X													-0.0003		-0.011										
10595-95-6	Nitrosomethylethylamine, N-	Winter 2015			1	0.1						22	I	0.0063	C	0.024	c	0.1	c	0.00045	c	0.0019	c	0.0035	c		0.000001	
10595-95-6	Nitrosomethylethylamine, N-	Spring 2015	V		1		108000					22	I	0.0063	C	0.02	c	0.091	c	0.00045	c	0.0019	c	0.00071	c		0.0000002	
.	Nitrosomethylethylamine, N-	Change	X													-0.004		-0.009						-0.00279				
59-89-2	Nitrosomorpholine [N-]	Winter 2015			1	0.1						6.7	C	0.0019	C	0.079	c	0.34	c	0.0015	c	0.0065	c	0.012	c		0.0000028	
59-89-2	Nitrosomorpholine [N-]	Spring 2015			1	0.1						6.7	C	0.0019	C	0.081	c	0.34	c	0.0015	c	0.0065	c	0.012	c		0.0000028	
.	Nitrosomorpholine [N-]	Change														0.002												
100-75-4	Nitrosopiperidine [N-]	Winter 2015			1	0.1						9.4	C	0.0027	C	0.057	c	0.25	c	0.001	c	0.0045	c	0.0082	c		0.0000044	
100-75-4	Nitrosopiperidine [N-]	Spring 2015			1	0.1						9.4	C	0.0027	C	0.058	c	0.24	c	0.001	c	0.0045	c	0.0082	c		0.0000044	
.	Nitrosopiperidine [N-]	Change														0.001		-0.01										
930-55-2	Nitrosopyrrolidine, N-	Winter 2015			1	0.1						2.1	I	0.00061	I	0.25	c	1.1	c	0.0046	c	0.02	c	0.037	c		0.000014	
930-55-2	Nitrosopyrrolidine, N-	Spring 2015			1	0.1						2.1	I	0.00061	I	0.26	c	1.1	c	0.0046	c	0.02	c	0.037	c		0.000014	
.	Nitrosopyrrolidine, N-	Change														0.01												
99-08-1	Nitrotoluene, m-	Winter 2015			1	0.1		0.0001	X							0.62	n	8.2	n					0.17	n		0.00016	
99-08-1	Nitrotoluene, m-	Spring 2015			1	0.1		0.0001	X							0.63	n	8.2	n					0.17	n		0.00016	
.	Nitrotoluene, m-	Change														0.01												
85509-19-9	Nustar	Winter 2015			1	0.1		0.0007	I							4.3	n	58	n					1.1	n		0.18	
85509-19-9	Nustar	Spring 2015			1	0.1		0.0007	I							4.4	n	57	n					1.1	n		0.18	
.	Nustar	Change														0.1		-1										
32536-52-0	Octabromodiphenyl Ether	Winter 2015			1	0.1		0.003	I							18	n	250	n					6	n		1.2	
32536-52-0	Octabromodiphenyl Ether	Spring 2015			1	0.1		0.003	I							19	n	250	n					6	n		1.2	
.	Octabromodiphenyl Ether	Change														1												
2691-41-0	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	Winter 2015			1	0.006		0.05	I							380	n	5700	n					100	n		0.13	
2691-41-0	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	Spring 2015			1	0.006		0.05	I							390	n	5700	n					100	n		0.13	
.	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	Change														10												
152-16-9	Octamethylpyrophosphoramide	Winter 2015			1	0.1		0.002	H							12	n	160	n					4	n		0.00096	
152-16-9	Octamethylpyrophosphoramide	Spring 2015			1	0.1		0.002	H							13	n	160	n					4	n		0.00096	
.	Octamethylpyrophosphoramide	Change														1												
19044-88-3	Oryzalin	Winter 2015			1	0.1		0.05	I							310	n	4100	n					81	n		0.15	
19044-88-3	Oryzalin	Spring 2015			1	0.1		0.05	I							320	n	4100	n					81	n		0.15	
.	Oryzalin	Change														10												
19666-30-9	Oxadiazon	Winter 2015			1	0.1		0.005	I							31	n	410	n					4.7	n		0.048	
19666-30-9	Oxadiazon	Spring 2015			1	0.1		0.005	I							32	n	410	n					4.7	n		0.048	
.	Oxadiazon	Change														1												

CAS	Chemical	Type of Observation	v	o	c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k	e	y_2	RfCi (mg/m3)	k	e	y_3	SFO (mg/kg-day)$^{-1}$	k	e	y	IUR (ug/m3)$^{-1}$	k	e	y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
23135-22-0	Oxamyl	Winter 2015					1	0.1		0.025	I															150	n	2100	n					50	n	200	0.011	0.044
23135-22-0	Oxamyl	Spring 2015					1	0.1		0.025	I															160	n	2100	n					50	n	200	0.011	0.044
.	Oxamyl	Change																								10												
76738-62-0	Paclobutrazol	Winter 2015					1	0.1		0.013	I															80	n	1100	n					23	n		0.046	
76738-62-0	Paclobutrazol	Spring 2015					1	0.1		0.013	I															82	n	1100	n					23	n		0.046	
.	Paclobutrazol	Change																								2												
56-38-2	Parathion	Winter 2015					1	0.1		0.006	H															37	n	490	n					8.6	n		0.043	
56-38-2	Parathion	Spring 2015					1	0.1		0.006	H															38	n	490	n					8.6	n		0.043	
.	Parathion	Change																								1												
1114-71-2	Pebulate	Winter 2015					1	0.1		0.05	H															310	n	4100	n					56	n		0.045	
1114-71-2	Pebulate	Spring 2015	V				1			0.05	H															390	n	5800	n					56	n		0.045	
.	Pebulate	Change	X																							80		1700										
32534-81-9	Pentabromodiphenyl Ether	Winter 2015					1	0.1		0.002	I															12	n	160	n					4	n		0.17	
32534-81-9	Pentabromodiphenyl Ether	Spring 2015					1	0.1		0.002	I															13	n	160	n					4	n		0.17	
.	Pentabromodiphenyl Ether	Change																								1												
60348-60-9	Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	Winter 2015					1	0.1		0.0001	I															0.62	n	8.2	n					0.2	n		0.0087	
60348-60-9	Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	Spring 2015					1	0.1		0.0001	I															0.63	n	8.2	n					0.2	n		0.0087	
.	Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	Change																								0.01												
608-93-5	Pentachlorobenzene	Winter 2015					1	0.1		0.0008	I															4.9	n	66	n					0.32	n		0.0024	
608-93-5	Pentachlorobenzene	Spring 2015	V				1			0.0008	I															6.3	n	93	n					0.32	n		0.0024	
.	Pentachlorobenzene	Change	X																							1.4		27										
76-01-7	Pentachloroethane	Winter 2015					1	0.1										0.09	P							5.9	c	26	c					0.64	c		0.00031	
76-01-7	Pentachloroethane	Spring 2015	V				1		447									0.09	P							7.7	c	36	c					0.64	c		0.00031	
.	Pentachloroethane	Change	X																							1.8		10										
82-68-8	Pentachloronitrobenzene	Winter 2015					1	0.1		0.003	I							0.26	H							2	c**	8.9	c*					0.12	c*		0.0014	
82-68-8	Pentachloronitrobenzene	Spring 2015	V				1			0.003	I							0.26	H							2.7	c**	13	c*					0.12	c*		0.0014	
.	Pentachloronitrobenzene	Change	X																							0.7		4.1										
87-86-5	Pentachlorophenol	Winter 2015					1	0.25		0.005	I							0.4	I			0.0000051	C			0.99	c*	4	c*	0.55	c	2.4	c	0.04	c*	1	0.0004	0.01
87-86-5	Pentachlorophenol	Spring 2015					1	0.25		0.005	I							0.4	I			0.0000051	C			1	c*	4	c*	0.55	c	2.4	c	0.04	c*	1	0.0004	0.01
.	Pentachlorophenol	Change																								0.01												
78-11-5	Pentaerythritol tetranitrate (PETN)	Winter 2015					1	0.1		0.002	P							0.004	X							12	n	160	n					3.9	n		0.0058	
78-11-5	Pentaerythritol tetranitrate (PETN)	Spring 2015					1	0.1		0.002	P							0.004	X							13	n	160	n					3.9	n		0.0058	
.	Pentaerythritol tetranitrate (PETN)	Change																								1												
375-73-5	Perfluorobutane Sulfonate	Winter 2015					1	0.1		0.02	P															120	n	1600	n					38	n		0.021	
375-73-5	Perfluorobutane Sulfonate	Spring 2015	V				1			0.02	P															160	n	2300	n					38	n		0.021	
.	Perfluorobutane Sulfonate	Change	X																							40		700										
52645-53-1	Permethrin	Winter 2015					1	0.1		0.05	I															310	n	4100	n					100	n		24	
52645-53-1	Permethrin	Spring 2015					1	0.1		0.05	I															320	n	4100	n					100	n		24	
.	Permethrin	Change																								10												
62-44-2	Phenacetin	Winter 2015					1	0.1										0.0022	C			0.00000063	C			240	c	1000	c	4.5	c	19	c	34	c		0.0097	
62-44-2	Phenacetin	Spring 2015					1	0.1										0.0022	C			0.00000063	C			250	c	1000	c	4.5	c	19	c	34	c		0.0097	
.	Phenacetin	Change																								10												
13684-63-4	Phenmedipham	Winter 2015					1	0.1		0.25	I															1500	n	21000	n					400	n		2.1	
13684-63-4	Phenmedipham	Spring 2015					1	0.1		0.25	I															1600	n	21000	n					400	n		2.1	
.	Phenmedipham	Change																								100												
108-95-2	Phenol	Winter 2015					1	0.1		0.3	I			0.2	C											1800	n	25000	n	21	n	88	n	580	n		0.33	
108-95-2	Phenol	Spring 2015					1	0.1		0.3	I			0.2	C											1900	n	25000	n	21	n	88	n	580	n		0.33	
.	Phenol	Change																								100												
92-84-2	Phenothiazine	Winter 2015					1	0.1		0.0005	X															3.1	n	41	n					0.43	n		0.0014	
92-84-2	Phenothiazine	Spring 2015					1	0.1		0.0005	X															3.2	n	41	n					0.43	n		0.0014	
.	Phenothiazine	Change																								0.1												
108-45-2	Phenylenediamine, m-	Winter 2015					1	0.1		0.006	I															37	n	490	n					12	n		0.0032	
108-45-2	Phenylenediamine, m-	Spring 2015					1	0.1		0.006	I															38	n	490	n					12	n		0.0032	
.	Phenylenediamine, m-	Change																								1												
95-54-5	Phenylenediamine, o-	Winter 2015					1	0.1										0.047	H							11	c	49	c					1.6	c		0.00044	
95-54-5	Phenylenediamine, o-	Spring 2015					1	0.1										0.047	H							12	c	49	c					1.6	c		0.00044	
.	Phenylenediamine, o-	Change																								1												
90-43-7	Phenylphenol, 2-	Winter 2015					1	0.1										0.0019	H							270	c	1200	c					30	c		0.4	
90-43-7	Phenylphenol, 2-	Spring 2015					1	0.1										0.0019	H							280	c	1200	c					30	c		0.4	
.	Phenylphenol, 2-	Change																								10												
298-02-2	Phorate	Winter 2015					1	0.1		0.0002	H															1.2	n	16	n					0.3	n		0.00034	
298-02-2	Phorate	Spring 2015					1	0.1		0.0002	H															1.3	n	16	n					0.3	n		0.00034	
.	Phorate	Change																								0.1												
732-11-6	Phosmet	Winter 2015					1	0.1		0.02	I															120	n	1600	n					37	n		0.0082	
732-11-6	Phosmet	Spring 2015					1	0.1		0.02	I															130	n	1600	n					37	n		0.0082	
.	Phosmet	Change																								10												
7803-51-2	Phosphine	Winter 2015					1			0.0003	I			0.0003	I											2.3	n	35	n	0.031	n	0.13	n	0.6	n			
7803-51-2	Phosphine	Spring 2015	V				1			0.0003	I			0.0003	I											2.3	n	35	n	0.031	n	0.13	n	0.057	n			
.	Phosphine	Change	X																															-0.543				
7723-14-0	Phosphorus, White	Winter 2015					1			0.00002	I															0.16	n	2.3	n					0.04	n		0.00015	
7723-14-0	Phosphorus, White	Spring 2015	V				1			0.00002	I															0.16	n	2.3	n					0.04	n		0.00015	
.	Phosphorus, White	Change	X																																			
1918-02-1	Picloram	Winter 2015					1	0.1		0.07	I															430	n	5800	n					140	n	500	0.038	0.14
1918-02-1	Picloram	Spring 2015					1	0.1		0.07	I															440	n	5700	n					140	n	500	0.038	0.14
.	Picloram	Change																								10		-100										
96-91-3	Picramic Acid (2-Amino-4,6-dinitrophenol)	Winter 2015					1	0.1		0.0001	X															0.62	n	8.2	n					0.2	n		0.00013	
96-91-3	Picramic Acid (2-Amino-4,6-dinitrophenol)	Spring 2015					1	0.1		0.0001	X															0.63	n	8.2	n					0.2	n		0.00013	
.	Picramic Acid (2-Amino-4,6-dinitrophenol)	Change																								0.01												
29232-93-7	Pirimiphos, Methyl	Winter 2015					1	0.1		0.01	I															62	n	820	n					12	n		0.012	
29232-93-7	Pirimiphos, Methyl	Spring 2015					1	0.1		0.01	I															63	n	820	n					12	n		0.012	
.	Pirimiphos, Methyl	Change																								1												
29420-49-3	Potassium Perfluorobutane Sulfonate	Winter 2015					1	0.1		0.02	P															120	n	1600	n					40	n			
29420-49-3	Potassium Perfluorobutane Sulfonate	Spring 2015					1	0.1		0.02	P															130	n	1600	n					40	n			
.	Potassium Perfluorobutane Sulfonate	Change																								10												
26399-36-0	Profluralin	Winter 2015					1	0.1		0.006	H															37	n	490	n					2.6	n		0.16	
26399-36-0	Profluralin	Spring 2015	V				1			0.006	H															47	n	700	n					2.6	n		0.16	
.	Profluralin	Change	X																							10		210										
1610-18-0	Prometon	Winter 2015					1	0.1		0.015	I															92	n	1200	n					25	n		0.012	
1610-18-0	Prometon	Spring 2015					1	0.1		0.015	I															95	n	1200	n					25	n		0.012	
.	Prometon	Change																								3												

CAS	Chemical	Type of Observation	v	o	c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k	e	y_2	RfCi (mg/m3)	k	e	y_3	SFO (mg/kg-day)$^{-1}$	k	e	y	IUR (ug/m3)$^{-1}$	k	e	y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
1918-16-7	Propachlor	Winter 2015					1	0.1		0.013	I															80	n	1100	n					25	n		0.015	
1918-16-7	Propachlor	Spring 2015					1	0.1		0.013	I															82	n	1100	n					25	n		0.015	
.	Propachlor	Change																								2												
709-98-8	Propanil	Winter 2015					1	0.1		0.005	I															31	n	410	n					8.2	n		0.0045	
709-98-8	Propanil	Spring 2015					1	0.1		0.005	I															32	n	410	n					8.2	n		0.0045	
.	Propanil	Change																								1												
2312-35-8	Propargite	Winter 2015					1	0.1		0.02	I															120	n	1600	n					16	n		1.2	
2312-35-8	Propargite	Spring 2015					1	0.1		0.02	I															130	n	1600	n					16	n		1.2	
.	Propargite	Change																								10												
107-19-7	Propargyl Alcohol	Winter 2015					1	0.1		0.002	I															12	n	160	n					4	n		0.00081	
107-19-7	Propargyl Alcohol	Spring 2015	V				1		111000	0.002	I															16	n	230	n					4	n		0.00081	
.	Propargyl Alcohol	Change	X																							4		70										
139-40-2	Propazine	Winter 2015					1	0.1		0.02	I															120	n	1600	n					34	n		0.03	
139-40-2	Propazine	Spring 2015					1	0.1		0.02	I															130	n	1600	n					34	n		0.03	
.	Propazine	Change																								10												
122-42-9	Propham	Winter 2015					1	0.1		0.02	I															120	n	1600	n					35	n		0.022	
122-42-9	Propham	Spring 2015					1	0.1		0.02	I															130	n	1600	n					35	n		0.022	
.	Propham	Change																								10												
60207-90-1	Propiconazole	Winter 2015					1	0.1		0.013	I															80	n	1100	n					21	n		0.069	
60207-90-1	Propiconazole	Spring 2015					1	0.1		0.013	I															82	n	1100	n					21	n		0.069	
.	Propiconazole	Change																								2												
103-65-1	Propyl benzene	Winter 2015	V				1	0.1	264	0.1	X			1	X											330	ns	2200	ns	100	n	440	n	66	n		0.12	
103-65-1	Propyl benzene	Spring 2015	V				1		264	0.1	X			1	X											380	ns	2400	ns	100	n	440	n	66	n		0.12	
.	Propyl benzene	Change																								50		200										
115-07-1	Propylene	Winter 2015	V				1	0.1	349					3	C											220	n	930	ns	310	n	1300	n	630	n		0.6	
115-07-1	Propylene	Spring 2015	V				1		349					3	C											220	n	930	ns	310	n	1300	n	630	n		0.6	
.	Propylene	Change																																				
57-55-6	Propylene Glycol	Winter 2015					1	0.1		20	P															120000	nm	1600000	nm					40000	n		8.1	
57-55-6	Propylene Glycol	Spring 2015					1	0.1		20	P															130000	nm	1600000	nm					40000	n		8.1	
.	Propylene Glycol	Change																								10000												
1569-02-4	Propylene Glycol Monoethyl Ether	Winter 2015					1	0.1		0.7	H															4300	n	58000	n					1400	n		0.28	
1569-02-4	Propylene Glycol Monoethyl Ether	Spring 2015	V				1		85200	0.7	H															5500	n	82000	n					1400	n		0.28	
.	Propylene Glycol Monoethyl Ether	Change	X																							1200		24000										
107-98-2	Propylene Glycol Monomethyl Ether	Winter 2015					1	0.1		0.7	H			2	I											4300	n	58000	n	210	n	880	n	1400	n		0.28	
107-98-2	Propylene Glycol Monomethyl Ether	Spring 2015	V				1		106000	0.7	H			2	I											4100	n	37000	n	210	n	880	n	320	n		0.065	
.	Propylene Glycol Monomethyl Ether	Change	X																							-200		-21000						-1080			-0.215	
81335-77-5	Pursuit	Winter 2015					1	0.1		0.25	I															1500	n	21000	n					470	n		0.41	
81335-77-5	Pursuit	Spring 2015					1	0.1		0.25	I															1600	n	21000	n					470	n		0.41	
.	Pursuit	Change																								100												
51630-58-1	Pydrin	Winter 2015					1	0.1		0.025	I															150	n	2100	n					50	n		32	
51630-58-1	Pydrin	Spring 2015					1	0.1		0.025	I															160	n	2100	n					50	n		32	
.	Pydrin	Change																								10												
13593-03-8	Quinalphos	Winter 2015					1	0.1		0.0005	I															3.1	n	41	n					0.51	n		0.0043	
13593-03-8	Quinalphos	Spring 2015					1	0.1		0.0005	I															3.2	n	41	n					0.51	n		0.0043	
.	Quinalphos	Change																								0.1												
10453-86-8	Resmethrin	Winter 2015					1	0.1		0.03	I															180	n	2500	n					6.7	n		4.2	
10453-86-8	Resmethrin	Spring 2015					1	0.1		0.03	I															190	n	2500	n					6.7	n		4.2	
.	Resmethrin	Change																								10												
299-84-3	Ronnel	Winter 2015					1	0.1		0.05	H															310	n	4100	n					41	n		0.37	
299-84-3	Ronnel	Spring 2015	V				1			0.05	H															390	n	5800	n					41	n		0.37	
.	Ronnel	Change	X																							80		1700										
94-59-7	Safrole	Winter 2015				M	1	0.1										0.22	C			0.000063	C			0.54	c	10	c	0.016	c	0.19	c	0.095	c		0.000059	
94-59-7	Safrole	Spring 2015				M	1	0.1										0.22	C			0.000063	C			0.55	c	10	c	0.016	c	0.19	c	0.095	c		0.000059	
.	Safrole	Change																								0.01												
78587-05-0	Savey	Winter 2015					1	0.1		0.025	I															150	n	2100	n					11	n		0.05	
78587-05-0	Savey	Spring 2015					1	0.1		0.025	I															160	n	2100	n					11	n		0.05	
.	Savey	Change																								10												
74051-80-2	Sethoxydim	Winter 2015					1	0.1		0.09	I															550	n	7400	n					100	n		0.93	
74051-80-2	Sethoxydim	Spring 2015					1	0.1		0.09	I															570	n	7400	n					100	n		0.93	
.	Sethoxydim	Change																								20												
122-34-9	Simazine	Winter 2015					1	0.1		0.005	I							0.12	H							4.4	c**	19	c*					0.61	c*	4	0.0003	0.002
122-34-9	Simazine	Spring 2015					1	0.1		0.005	I							0.12	H							4.5	c**	19	c*					0.61	c*	4	0.0003	0.002
.	Simazine	Change																								0.1												
62476-59-9	Sodium Acifluorfen	Winter 2015					1	0.1		0.013	I															80	n	1100	n					26	n		0.21	
62476-59-9	Sodium Acifluorfen	Spring 2015					1	0.1		0.013	I															82	n	1100	n					26	n		0.21	
.	Sodium Acifluorfen	Change																								2												
148-18-5	Sodium Diethyldithiocarbamate	Winter 2015					1	0.1		0.03	I							0.27	H							2	c*	8.6	c					0.29	c			
148-18-5	Sodium Diethyldithiocarbamate	Spring 2015					1	0.1		0.03	I							0.27	H							2	c*	8.5	c					0.29	c			
.	Sodium Diethyldithiocarbamate	Change																										-0.1										
62-74-8	Sodium Fluoroacetate	Winter 2015					1	0.1		0.00002	I															0.12	n	1.6	n					0.04	n		0.0000081	
62-74-8	Sodium Fluoroacetate	Spring 2015					1	0.1		0.00002	I															0.13	n	1.6	n					0.04	n		0.0000081	
.	Sodium Fluoroacetate	Change																								0.01												
961-11-5	Stirofos (Tetrachlorovinphos)	Winter 2015					1	0.1		0.03	I							0.024	H							22	c**	96	c*					2.8	c*		0.0081	
961-11-5	Stirofos (Tetrachlorovinphos)	Spring 2015					1	0.1		0.03	I							0.024	H							23	c**	96	c*					2.8	c*		0.0081	
.	Stirofos (Tetrachlorovinphos)	Change																								1												
57-24-9	Strychnine	Winter 2015					1	0.1		0.0003	I															1.8	n	25	n					0.59	n		0.0065	
57-24-9	Strychnine	Spring 2015					1	0.1		0.0003	I															1.9	n	25	n					0.59	n		0.0065	
.	Strychnine	Change																								0.1												
NA	Styrene-Acrylonitrile (SAN) Trimer	Winter 2015					1	0.1		0.003	P															18	n	250	n					6	n			
NA	Styrene-Acrylonitrile (SAN) Trimer	Spring 2015					1	0.1		0.003	P															19	n	250	n					4.8	n			
.	Styrene-Acrylonitrile (SAN) Trimer	Change																								1								-1.2				
126-33-0	Sulfolane	Winter 2015					1	0.1		0.001	P			0.002	X											6.2	n	82	n	0.21	n	0.88	n	2	n		0.00044	
126-33-0	Sulfolane	Spring 2015					1	0.1		0.001	P			0.002	X											6.3	n	82	n	0.21	n	0.88	n	2	n		0.00044	
.	Sulfolane	Change																								0.1												
80-07-9	Sulfonylbis(4-chlorobenzene), 1,1'-	Winter 2015					1	0.1		0.0008	P															4.9	n	66	n					1.1	n		0.0065	
80-07-9	Sulfonylbis(4-chlorobenzene), 1,1'-	Spring 2015					1	0.1		0.0008	P															5.1	n	66	n					1.1	n		0.0065	
.	Sulfonylbis(4-chlorobenzene), 1,1'-	Change																								0.2												
7446-11-9	Sulfur Trioxide	Winter 2015					1							0.001	C											140000	nm	600000	nm	0.1	n	0.44	n					
7446-11-9	Sulfur Trioxide	Spring 2015	V				1							0.001	C											140000	nm	600000	nm	0.1	n	0.44	n	0.21	n			
.	Sulfur Trioxide	Change	X																															X				

CAS	Chemical	Type of Observation	v o c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k e y_2	RfCi (mg/m3)	k e y_3	SFO (mg/kg-day)$^{-1}$	k e y	IUR (ug/m3)$^{-1}$	k e y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
88671-89-0	Systhane	Winter 2015			1	0.1		0.025	I							150	n	2100	n					45	n		0.56	
88671-89-0	Systhane	Spring 2015			1	0.1		0.025	I							160	n	2100	n					45	n		0.56	
.	Systhane	Change														10												
21564-17-0	TCMTB	Winter 2015			1	0.1		0.03	H							180	n	2500	n					48	n		0.33	
21564-17-0	TCMTB	Spring 2015			1	0.1		0.03	H							190	n	2500	n					48	n		0.33	
.	TCMTB	Change														10												
34014-18-1	Tebuthiuron	Winter 2015			1	0.1		0.07	I							430	n	5800	n					140	n		0.039	
34014-18-1	Tebuthiuron	Spring 2015			1	0.1		0.07	I							440	n	5700	n					140	n		0.039	
.	Tebuthiuron	Change														10		-100										
3383-96-8	Temephos	Winter 2015			1	0.1		0.02	H							120	n	1600	n					40	n		7.6	
3383-96-8	Temephos	Spring 2015			1	0.1		0.02	H							130	n	1600	n					40	n		7.6	
.	Temephos	Change														10												
5902-51-2	Terbacil	Winter 2015			1	0.1		0.013	I							80	n	1100	n					25	n		0.0075	
5902-51-2	Terbacil	Spring 2015			1	0.1		0.013	I							82	n	1100	n					25	n		0.0075	
.	Terbacil	Change														2												
13071-79-9	Terbufos	Winter 2015			1	0.1		0.000025	H							0.15	n	2.1	n					0.024	n		0.000052	
13071-79-9	Terbufos	Spring 2015	V		1		30.9	0.000025	H							0.2	n	2.9	n					0.024	n		0.000052	
.	Terbufos	Change	X													0.05		0.8										
886-50-0	Terbutryn	Winter 2015			1	0.1		0.001	I							6.2	n	82	n					1.3	n		0.0019	
886-50-0	Terbutryn	Spring 2015			1	0.1		0.001	I							6.3	n	82	n					1.3	n		0.0019	
.	Terbutryn	Change														0.1												
5436-43-1	Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	Winter 2015			1	0.1		0.0001	I							0.62	n	8.2	n					0.2	n		0.0053	
5436-43-1	Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	Spring 2015			1	0.1		0.0001	I							0.63	n	8.2	n					0.2	n		0.0053	
.	Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	Change														0.01												
95-94-3	Tetrachlorobenzene, 1,2,4,5-	Winter 2015			1	0.1		0.0003	I							1.8	n	25	n					0.17	n		0.00079	
95-94-3	Tetrachlorobenzene, 1,2,4,5-	Spring 2015	V		1			0.0003	I							2.3	n	35	n					0.17	n		0.00079	
.	Tetrachlorobenzene, 1,2,4,5-	Change	X													0.5		10										
58-90-2	Tetrachlorophenol, 2,3,4,6-	Winter 2015			1	0.1		0.03	I							180	n	2500	n					24	n		0.15	
58-90-2	Tetrachlorophenol, 2,3,4,6-	Spring 2015			1	0.1		0.03	I							190	n	2500	n					24	n		0.15	
.	Tetrachlorophenol, 2,3,4,6-	Change														10												
5216-25-1	Tetrachlorotoluene, p- alpha, alpha, alpha-	Winter 2015			1	0.1						20	H			0.027	c	0.12	c					0.0013	c		0.0000044	
5216-25-1	Tetrachlorotoluene, p- alpha, alpha, alpha-	Spring 2015	V		1							20	H			0.035	c	0.16	c					0.0013	c		0.0000044	
.	Tetrachlorotoluene, p- alpha, alpha, alpha-	Change	X													0.008		0.04										
3689-24-5	Tetraethyl Dithiopyrophosphate	Winter 2015			1	0.1		0.0005	I							3.1	n	41	n					0.71	n		0.00052	
3689-24-5	Tetraethyl Dithiopyrophosphate	Spring 2015			1	0.1		0.0005	I							3.2	n	41	n					0.71	n		0.00052	
.	Tetraethyl Dithiopyrophosphate	Change														0.1												
479-45-8	Tetryl (Trinitrophenylmethylnitramine)	Winter 2015			1	0.1		0.002	P							12	n	160	n					3.9	n		0.037	
479-45-8	Tetryl (Trinitrophenylmethylnitramine)	Spring 2015			1	7E-04		0.002	P							16	n	230	n					3.9	n		0.037	
.	Tetryl (Trinitrophenylmethylnitramine)	Change				-0.1										4		70										
563-68-8	Thallium Acetate	Winter 2015			1			0.000006	X							0.047	n	0.7	n					0.012	n			
563-68-8	Thallium Acetate	Spring 2015	V		1	0.1		0.000006	X							0.038	n	0.49	n					0.012	n			
.	Thallium Acetate	Change	X													-0.009		-0.21										
6533-73-9	Thallium Carbonate	Winter 2015			1			0.00002	X							0.16	n	2.3	n					0.04	n			
6533-73-9	Thallium Carbonate	Spring 2015			1	0.1		0.00002	X							0.13	n	1.6	n					0.04	n			
.	Thallium Carbonate	Change														-0.03		-0.7										
28249-77-6	Thiobencarb	Winter 2015			1	0.1		0.01	I							62	n	820	n					16	n		0.055	
28249-77-6	Thiobencarb	Spring 2015			1	0.1		0.01	I							63	n	820	n					16	n		0.055	
.	Thiobencarb	Change														1												
39196-18-4	Thiofanox	Winter 2015			1	0.1		0.0003	H							1.8	n	25	n					0.53	n		0.00018	
39196-18-4	Thiofanox	Spring 2015			1	0.1		0.0003	H							1.9	n	25	n					0.53	n		0.00018	
.	Thiofanox	Change														0.1												
23564-05-8	Thiophanate, Methyl	Winter 2015			1	0.1		0.08	I							490	n	6600	n					160	n		0.14	
23564-05-8	Thiophanate, Methyl	Spring 2015			1	0.1		0.08	I							510	n	6600	n					160	n		0.14	
.	Thiophanate, Methyl	Change														20												
137-26-8	Thiram	Winter 2015			1	0.1		0.005	I							31	n	410	n					9.8	n		0.014	
137-26-8	Thiram	Spring 2015			1	0.1		0.005	I							32	n	410	n					9.8	n		0.014	
.	Thiram	Change														1												
7550-45-0	Titanium Tetrachloride	Winter 2015			1					0.0001	A					14000	n	60000	n	0.01	n	0.044	n					
7550-45-0	Titanium Tetrachloride	Spring 2015	V		1					0.0001	A					14000	n	60000	n	0.01	n	0.044	n	0.021	n			
.	Titanium Tetrachloride	Change	X																						X			
95-70-5	Toluene-2,5-diamine	Winter 2015			1	0.1		0.0002	X			0.18	X			1.2	n	13	c**					0.4	n		0.00012	
95-70-5	Toluene-2,5-diamine	Spring 2015			1	0.1		0.0002	X			0.18	X			1.3	n	13	c**					0.4	n		0.00012	
.	Toluene-2,5-diamine	Change														0.1												
8001-35-2	Toxaphene	Winter 2015			1	0.1						1.1	I	0.00032	I	0.48	c	2.1	c	0.0088	c	0.038	c	0.015	c	3	0.0024	0.46
8001-35-2	Toxaphene	Spring 2015			1	0.1						1.1	I	0.00032	I	0.49	c	2.1	c	0.0088	c	0.038	c	0.015	c	3	0.0024	0.46
.	Toxaphene	Change														0.01												
66841-25-6	Tralomethrin	Winter 2015			1	0.1		0.0075	I							46	n	620	n					15	n		5.8	
66841-25-6	Tralomethrin	Spring 2015			1	0.1		0.0075	I							47	n	620	n					15	n		5.8	
.	Tralomethrin	Change														1												
688-73-3	Tri-n-butyltin	Winter 2015			1	0.1		0.0003	A							1.8	n	25	n					0.37	n		0.0082	
688-73-3	Tri-n-butyltin	Spring 2015	V		1			0.0003	A							2.3	n	35	n					0.37	n		0.0082	
.	Tri-n-butyltin	Change	X													0.5		10										
102-76-1	Triacetin	Winter 2015			1	0.1		80	X							490000	nm	6600000	nm					160000	n		45	
102-76-1	Triacetin	Spring 2015			1	0.1		80	X							510000	nm	6600000	nm					160000	n		45	
.	Triacetin	Change														20000												
2303-17-5	Triallate	Winter 2015			1	0.1		0.013	I							80	n	1100	n					12	n		0.026	
2303-17-5	Triallate	Spring 2015	V		1			0.013	I							100	n	1500	n					12	n		0.026	
.	Triallate	Change	X													20		400										
82097-50-5	Triasulfuron	Winter 2015			1	0.1		0.01	I							62	n	820	n					20	n		0.021	
82097-50-5	Triasulfuron	Spring 2015			1	0.1		0.01	I							63	n	820	n					20	n		0.021	
.	Triasulfuron	Change														1												
615-54-3	Tribromobenzene, 1,2,4-	Winter 2015			1	0.1		0.005	I							31	n	410	n					4.5	n		0.0064	
615-54-3	Tribromobenzene, 1,2,4-	Spring 2015	V		1			0.005	I							39	n	580	n					4.5	n		0.0064	
.	Tribromobenzene, 1,2,4-	Change	X													8		170										
126-73-8	Tributyl Phosphate	Winter 2015			1	0.1		0.01	P			0.009	P			59	c**	260	c**					5.1	c**		0.025	
126-73-8	Tributyl Phosphate	Spring 2015			1	0.1		0.01	P			0.009	P			60	c**	260	c**					5.1	c**		0.025	
.	Tributyl Phosphate	Change														1												
NA	Tributyltin Compounds	Winter 2015			1	0.1		0.0003	P							1.8	n	25	n					0.6	n			
NA	Tributyltin Compounds	Spring 2015			1	0.1		0.0003	P							1.9	n	25	n					0.6	n			
.	Tributyltin Compounds	Change														0.1												

CAS	Chemical	Type of Observation	v	o	c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k	e	y_2	RfCi (mg/m3)	k	e	y_3	SFO (mg/kg-day)$^{-1}$	k	e	y	IUR (ug/m3)$^{-1}$	k	e	y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
56-35-9	Tributyltin Oxide	Winter 2015					1	0.1		0.0003	I															1.8	n	25	n					0.57	n		29	
56-35-9	Tributyltin Oxide	Spring 2015					1	0.1		0.0003	I															1.9	n	25	n					0.57	n		29	
.	Tributyltin Oxide	Change																								0.1												
76-03-9	Trichloroacetic Acid	Winter 2015					1	0.1		0.02	I							0.07	I							7.6	c*	33	c*					1.1	c*	60	0.00022	0.012
76-03-9	Trichloroacetic Acid	Spring 2015					1	0.1		0.02	I							0.07	I							7.8	c*	33	c*					1.1	c*	60	0.00022	0.012
.	Trichloroacetic Acid	Change																								0.2												
33663-50-2	Trichloroaniline HCl, 2,4,6-	Winter 2015					1	0.1										0.029	H							18	c	80	c					2.7	c		0.0074	
33663-50-2	Trichloroaniline HCl, 2,4,6-	Spring 2015					1	0.1										0.029	H							19	c	79	c					2.7	c		0.0074	
.	Trichloroaniline HCl, 2,4,6-	Change																								1		-1										
634-93-5	Trichloroaniline, 2,4,6-	Winter 2015					1	0.1		0.00003	X							0.007	X							0.18	n	2.5	n					0.04	n		0.00036	
634-93-5	Trichloroaniline, 2,4,6-	Spring 2015					1	0.1		0.00003	X							0.007	X							0.19	n	2.5	n					0.04	n		0.00036	
.	Trichloroaniline, 2,4,6-	Change																								0.01												
87-61-6	Trichlorobenzene, 1,2,3-	Winter 2015	V				1	0.1		0.0008	X															4.9	n	66	n					0.7	n		0.0021	
87-61-6	Trichlorobenzene, 1,2,3-	Spring 2015	V				1			0.0008	X															6.3	n	93	n					0.7	n		0.0021	
.	Trichlorobenzene, 1,2,3-	Change																								1.4		27										
95-95-4	Trichlorophenol, 2,4,5-	Winter 2015					1	0.1		0.1	I															620	n	8200	n					120	n		0.44	
95-95-4	Trichlorophenol, 2,4,5-	Spring 2015					1	0.1		0.1	I															630	n	8200	n					120	n		0.44	
.	Trichlorophenol, 2,4,5-	Change																								10												
88-06-2	Trichlorophenol, 2,4,6-	Winter 2015					1	0.1		0.001	P							0.011	I			0.0000031	I			6.2	n	82	n	0.91	c	4	c	1.2	n		0.0045	
88-06-2	Trichlorophenol, 2,4,6-	Spring 2015					1	0.1		0.001	P							0.011	I			0.0000031	I			6.3	n	82	n	0.91	c	4	c	1.2	n		0.0045	
.	Trichlorophenol, 2,4,6-	Change																								0.1												
93-76-5	Trichlorophenoxyacetic Acid, 2,4,5-	Winter 2015					1	0.1		0.01	I															62	n	820	n					16	n		0.0067	
93-76-5	Trichlorophenoxyacetic Acid, 2,4,5-	Spring 2015					1	0.1		0.01	I															63	n	820	n					16	n		0.0067	
.	Trichlorophenoxyacetic Acid, 2,4,5-	Change																								1												
93-72-1	Trichlorophenoxypropionic acid, -2,4,5	Winter 2015					1	0.1		0.008	I															49	n	660	n					11	n	50	0.0061	0.028
93-72-1	Trichlorophenoxypropionic acid, -2,4,5	Spring 2015					1	0.1		0.008	I															51	n	660	n					11	n	50	0.0061	0.028
.	Trichlorophenoxypropionic acid, -2,4,5	Change																								2												
1330-78-5	Tricresyl Phosphate (TCP)	Winter 2015					1	0.1		0.02	A															120	n	1600	n					16	n		1.5	
1330-78-5	Tricresyl Phosphate (TCP)	Spring 2015					1	0.1		0.02	A															130	n	1600	n					16	n		1.5	
.	Tricresyl Phosphate (TCP)	Change																								10												
58138-08-2	Tridiphane	Winter 2015					1	0.1		0.003	I															18	n	250	n					1.8	n		0.013	
58138-08-2	Tridiphane	Spring 2015					1	0.1		0.003	I															19	n	250	n					1.8	n		0.013	
.	Tridiphane	Change																								1												
112-27-6	Triethylene Glycol	Winter 2015					1	0.1		2	P															12000	n	160000	nm					4000	n		0.88	
112-27-6	Triethylene Glycol	Spring 2015					1	0.1		2	P															13000	n	160000	nm					4000	n		0.88	
.	Triethylene Glycol	Change																								1000												
1582-09-8	Trifluralin	Winter 2015					1	0.1		0.0075	I							0.0077	I							46	n	300	c**					2.5	c**		0.082	
1582-09-8	Trifluralin	Spring 2015	V				1			0.0075	I							0.0077	I							59	n	420	c**					2.5	c**		0.082	
.	Trifluralin	Change	X																							13		120										
512-56-1	Trimethyl Phosphate	Winter 2015					1	0.1		0.01	P							0.02	P							27	c**	120	c**					3.9	c**		0.00086	
512-56-1	Trimethyl Phosphate	Spring 2015					1	0.1		0.01	P							0.02	P							27	c**	110	c**					3.9	c**		0.00086	
.	Trimethyl Phosphate	Change																										-10										
118-96-7	Trinitrotoluene, 2,4,6-	Winter 2015					1	0.032		0.0005	I							0.03	I							3.6	n	52	n					0.98	n		0.0057	
118-96-7	Trinitrotoluene, 2,4,6-	Spring 2015					1	0.032		0.0005	I							0.03	I							3.6	n	51	n					0.98	n		0.0057	
.	Trinitrotoluene, 2,4,6-	Change																										-1										
791-28-6	Triphenylphosphine Oxide	Winter 2015					1	0.1		0.02	P															120	n	1600	n					36	n		0.15	
791-28-6	Triphenylphosphine Oxide	Spring 2015					1	0.1		0.02	P															130	n	1600	n					36	n		0.15	
.	Triphenylphosphine Oxide	Change																								10												
13674-87-8	Tris(1,3-Dichloro-2-propyl) Phosphate	Winter 2015					1	0.1		0.02	A															120	n	1600	n					36	n		0.8	
13674-87-8	Tris(1,3-Dichloro-2-propyl) Phosphate	Spring 2015					1	0.1		0.02	A															130	n	1600	n					36	n		0.8	
.	Tris(1,3-Dichloro-2-propyl) Phosphate	Change																								10												
13674-84-5	Tris(1-chloro-2-propyl)phosphate	Winter 2015					1	0.1		0.01	X															62	n	820	n					19	n		0.065	
13674-84-5	Tris(1-chloro-2-propyl)phosphate	Spring 2015					1	0.1		0.01	X															63	n	820	n					19	n		0.065	
.	Tris(1-chloro-2-propyl)phosphate	Change																								1												
126-72-7	Tris(2,3-dibromopropyl)phosphate	Spring 2015	V				1		467									2.3	C			0.00066	C			0.28	c	1.3	c	0.0043	c	0.019	c	0.0068	c		0.00013	
115-96-8	Tris(2-chloroethyl)phosphate	Winter 2015					1	0.1		0.007	P							0.02	P							27	c**	120	c**					3.8	c**		0.0038	
115-96-8	Tris(2-chloroethyl)phosphate	Spring 2015					1	0.1		0.007	P							0.02	P							27	c**	110	c**					3.8	c**		0.0038	
.	Tris(2-chloroethyl)phosphate	Change																										-10										
1929-77-7	Vernolate	Winter 2015					1	0.1		0.001	I															6.2	n	82	n					1.1	n		0.00089	
1929-77-7	Vernolate	Spring 2015	V				1			0.001	I															7.8	n	120	n					1.1	n		0.00089	
.	Vernolate	Change	X																							1.6		38										
50471-44-8	Vinclozolin	Winter 2015					1	0.1		0.025	I															150	n	2100	n					44	n		0.034	
50471-44-8	Vinclozolin	Spring 2015					1	0.1		0.025	I															160	n	2100	n					44	n		0.034	
.	Vinclozolin	Change																								10												
81-81-2	Warfarin	Winter 2015					1	0.1		0.0003	I															1.8	n	25	n					0.56	n		0.00059	
81-81-2	Warfarin	Spring 2015					1	0.1		0.0003	I															1.9	n	25	n					0.56	n		0.00059	
.	Warfarin	Change																								0.1												
1330-20-7	Xylenes	Winter 2015	V				1		258	0.2	I			0.1	I											58	n	250	n	10	n	44	n	19	n	10000	0.019	9.8
1330-20-7	Xylenes	Spring 2015	V				1		258	0.2	I			0.1	I											65	n	280	ns	10	n	44	n	19	n	10000	0.019	9.8
	Xylenes	Change																								7		30	X									
12122-67-7	Zineb	Winter 2015					1	0.1		0.05	I															310	n	4100	n					99	n		0.29	
12122-67-7	Zineb	Spring 2015					1	0.1		0.05	I															320	n	4100	n					99	n		0.29	
.	Zineb	Change																								10												
83-32-9	~Acenaphthene	Winter 2015	V				1	0.13		0.06	I															350	n	4500	n					53	n		0.55	
83-32-9	~Acenaphthene	Spring 2015	V				1	0.13		0.06	I															360	n	4500	n					53	n		0.55	
.	~Acenaphthene	Change																								10												
120-12-7	~Anthracene	Winter 2015	V				1	0.13		0.3	I															1700	n	23000	n					180	n		5.8	
120-12-7	~Anthracene	Spring 2015	V				1	0.13		0.3	I															1800	n	23000	n					180	n		5.8	
.	~Anthracene	Change																								100												
12674-11-2	~Aroclor 1016	Winter 2015					1	0.14		0.00007	I							0.07	S			0.00002	S			0.4	n	5.2	n	0.14	c	0.61	c	0.14	n		0.013	
12674-11-2	~Aroclor 1016	Spring 2015	V				1	0.14		0.00007	I							0.07	S			0.00002	S			0.41	n	5.1	n	0.14	c	0.61	c	0.14	n		0.013	
.	~Aroclor 1016	Change	X																							0.01		-0.1										
11104-28-2	~Aroclor 1221	Winter 2015	V				1	0.14	757									2	S			0.00057	S			0.15	c	0.66	c	0.0049	c	0.021	c	0.0046	c		0.000079	
11104-28-2	~Aroclor 1221	Spring 2015	V				1	0.14										2	S			0.00057	S			0.17	c	0.72	c	0.0049	c	0.021	c	0.0046	c		0.000079	
.	~Aroclor 1221	Change																								0.02		0.06										
11141-16-5	~Aroclor 1232	Winter 2015	V				1	0.14	73.2									2	S			0.00057	S			0.15	c	0.66	c	0.0049	c	0.021	c	0.0046	c		0.000079	
11141-16-5	~Aroclor 1232	Spring 2015	V				1	0.14										2	S			0.00057	S			0.17	c	0.72	c	0.0049	c	0.021	c	0.0046	c		0.000079	
.	~Aroclor 1232	Change																								0.02		0.06										
53469-21-9	~Aroclor 1242	Winter 2015					1	0.14										2	S			0.00057	S			0.24	c	1	c	0.0049	c	0.021	c	0.039	c		0.0061	
53469-21-9	~Aroclor 1242	Spring 2015	V				1	0.14										2	S			0.00057	S			0.23	c	0.97	c	0.0049	c	0.021	c	0.0078	c		0.0012	

CAS	Chemical	Type of Observation	v o c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k e y_2	RfCi (mg/m3)	k e y_3	SFO (mg/kg-day)$^{-1}$	k e y	IUR (ug/m3)$^{-1}$	k e y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
.	~Aroclor 1242	Change	X													-0.01		-0.03						-0.0312			-0.0049	
12672-29-6	~Aroclor 1248	Winter 2015			1	0.14						2	S	0.00057	S	0.24	c	1	c	0.0049	c	0.021	c	0.039	c		0.006	
12672-29-6	~Aroclor 1248	Spring 2015	V		1	0.14						2	S	0.00057	S	0.23	c	0.94	c	0.0049	c	0.021	c	0.0078	c		0.0012	
.	~Aroclor 1248	Change	X													-0.01		-0.06						-0.0312			-0.0048	
11097-69-1	~Aroclor 1254	Winter 2015			1	0.14		0.00002	I			2	S	0.00057	S	0.11	n	1	c**	0.0049	c	0.021	c	0.039	c**		0.01	
11097-69-1	~Aroclor 1254	Spring 2015	V		1	0.14		0.00002	I			2	S	0.00057	S	0.12	n	0.97	c**	0.0049	c	0.021	c	0.0078	c**		0.002	
.	~Aroclor 1254	Change	X													0.01		-0.03						-0.0312			-0.008	
11096-82-5	~Aroclor 1260	Winter 2015			1	0.14						2	S	0.00057	S	0.24	c	1	c	0.0049	c	0.021	c	0.039	c		0.027	
11096-82-5	~Aroclor 1260	Spring 2015	V		1	0.14						2	S	0.00057	S	0.24	c	0.99	c	0.0049	c	0.021	c	0.0078	c		0.0055	
.	~Aroclor 1260	Change	X															-0.01						-0.0312			-0.0215	
11126-42-4	~Aroclor 5460	Winter 2015			1	0.1		0.0006	X							3.7	n	49	n					1.2	n		0.2	
11126-42-4	~Aroclor 5460	Spring 2015	V		1	0.14		0.0006	X							3.5	n	44	n					1.2	n		0.2	
.	~Aroclor 5460	Change	X			0.04										-0.2		-5										
56-55-3	~Benz[a]anthracene	Winter 2015		M	1	0.13						0.73	E	0.00011	C	0.15	c	2.9	c	0.0092	c	0.11	c	0.034	c		0.012	
56-55-3	~Benz[a]anthracene	Spring 2015	V	M	1	0.13						0.73	E	0.00011	C	0.16	c	2.9	c	0.0092	c	0.11	c	0.033	c		0.012	
.	~Benz[a]anthracene	Change	X													0.01								-0.001				
205-82-3	~Benzo(j)fluoranthene	Winter 2015			1	0.13						1.2	C	0.00011	C	0.41	c	1.8	c	0.026	c	0.11	c	0.065	c		0.078	
205-82-3	~Benzo(j)fluoranthene	Spring 2015			1	0.13						1.2	C	0.00011	C	0.42	c	1.8	c	0.026	c	0.11	c	0.065	c		0.078	
.	~Benzo(j)fluoranthene	Change														0.01												
50-32-8	~Benzo[a]pyrene	Winter 2015		M	1	0.13						7.3	I	0.0011	C	0.015	c	0.29	c	0.00092	c	0.011	c	0.0034	c	0.2	0.004	0.24
50-32-8	~Benzo[a]pyrene	Spring 2015		M	1	0.13						7.3	I	0.0011	C	0.016	c	0.29	c	0.00092	c	0.011	c	0.0034	c	0.2	0.004	0.24
.	~Benzo[a]pyrene	Change														0.001												
205-99-2	~Benzo[b]fluoranthene	Winter 2015		M	1	0.13						0.73	E	0.00011	C	0.15	c	2.9	c	0.0092	c	0.11	c	0.034	c		0.041	
205-99-2	~Benzo[b]fluoranthene	Spring 2015		M	1	0.13						0.73	E	0.00011	C	0.16	c	2.9	c	0.0092	c	0.11	c	0.034	c		0.041	
.	~Benzo[b]fluoranthene	Change														0.01												
207-08-9	~Benzo[k]fluoranthene	Winter 2015		M	1	0.13						0.073	E	0.00011	C	1.5	c	29	c	0.0092	c	0.11	c	0.34	c		0.4	
207-08-9	~Benzo[k]fluoranthene	Spring 2015		M	1	0.13						0.073	E	0.00011	C	1.6	c	29	c	0.0092	c	0.11	c	0.34	c		0.4	
.	~Benzo[k]fluoranthene	Change														0.1												
117-81-7	~Bis(2-ethylhexyl)phthalate	Winter 2015			1	0.1		0.02	I			0.014	I	0.0000024	C	38	c**	160	c*	1.2	c	5.1	c	5.6	c**	6	1.3	1.4
117-81-7	~Bis(2-ethylhexyl)phthalate	Spring 2015			1	0.1		0.02	I			0.014	I	0.0000024	C	39	c**	160	c*	1.2	c	5.1	c	5.6	c**	6	1.3	1.4
.	~Bis(2-ethylhexyl)phthalate	Change														1												
85-70-1	~Butylphthalyl Butylglycolate	Winter 2015			1	0.1		1	I							6200	n	82000	n					1300	n		30	
85-70-1	~Butylphthalyl Butylglycolate	Spring 2015			1	0.1		1	I							6300	n	82000	n					1300	n		30	
.	~Butylphthalyl Butylglycolate	Change														100												
91-58-7	~Chloronaphthalene, Beta-	Winter 2015	V		1			0.08	I							630	n	9300	n					75	n		0.38	
91-58-7	~Chloronaphthalene, Beta-	Spring 2015	V		1	0.13		0.08	I							480	n	6000	n					75	n		0.38	
.	~Chloronaphthalene, Beta-	Change														-150		-3300										
218-01-9	~Chrysene	Winter 2015		M	1	0.13						0.0073	E	0.000011	C	15	c	290	c	0.092	c	1.1	c	3.4	c		1.2	
218-01-9	~Chrysene	Spring 2015		M	1	0.13						0.0073	E	0.000011	C	16	c	290	c	0.092	c	1.1	c	3.4	c		1.2	
.	~Chrysene	Change														1												
57-12-5	~Cyanide (CN-)	Winter 2015	V		1		10000000	0.0006	I	0.0008	S					2.1	n	13	n	0.083	n	0.35	n	0.15	n	200	0.0015	2
57-12-5	~Cyanide (CN-)	Spring 2015	V		1		972000	0.0006	I	0.0008	S					0.27	n	1.2	n	0.083	n	0.35	n	0.15	n	200	0.0015	2
.	~Cyanide (CN-)	Change					-9028000									-1.83		-11.8										
53-70-3	~Dibenz[a,h]anthracene	Winter 2015		M	1	0.13						7.3	E	0.0012	C	0.015	c	0.29	c	0.00084	c	0.01	c	0.0034	c		0.013	
53-70-3	~Dibenz[a,h]anthracene	Spring 2015		M	1	0.13						7.3	E	0.0012	C	0.016	c	0.29	c	0.00084	c	0.01	c	0.0034	c		0.013	
.	~Dibenz[a,h]anthracene	Change														0.001												
192-65-4	~Dibenzo(a,e)pyrene	Winter 2015			1	0.13						12	C	0.0011	C	0.041	c	0.18	c	0.0026	c	0.011	c	0.0065	c		0.084	
192-65-4	~Dibenzo(a,e)pyrene	Spring 2015			1	0.13						12	C	0.0011	C	0.042	c	0.18	c	0.0026	c	0.011	c	0.0065	c		0.084	
.	~Dibenzo(a,e)pyrene	Change														0.001												
132-64-9	~Dibenzofuran	Winter 2015	V		1	0.03		0.001	X							7.2	n	100	n					0.79	n		0.015	
132-64-9	~Dibenzofuran	Spring 2015	V		1	0.03		0.001	X							7.3	n	100	n					0.79	n		0.015	
.	~Dibenzofuran	Change														0.1												
84-74-2	~Dibutyl Phthalate	Winter 2015			1	0.1		0.1	I							620	n	8200	n					90	n		0.23	
84-74-2	~Dibutyl Phthalate	Spring 2015			1	0.1		0.1	I							630	n	8200	n					90	n		0.23	
.	~Dibutyl Phthalate	Change														10												
84-66-2	~Diethyl Phthalate	Winter 2015			1	0.1		0.8	I							4900	n	66000	n					1500	n		0.61	
84-66-2	~Diethyl Phthalate	Spring 2015			1	0.1		0.8	I							5100	n	66000	n					1500	n		0.61	
.	~Diethyl Phthalate	Change														200												
57-97-6	~Dimethylbenz(a)anthracene, 7,12-	Winter 2015		M	1	0.13						250	C	0.071	C	0.00045	c	0.0085	c	0.000014	c	0.00017	c	0.0001	c		0.000099	
57-97-6	~Dimethylbenz(a)anthracene, 7,12-	Spring 2015		M	1	0.13						250	C	0.071	C	0.00046	c	0.0084	c	0.000014	c	0.00017	c	0.0001	c		0.000099	
.	~Dimethylbenz(a)anthracene, 7,12-	Change																-0.0001										
206-44-0	~Fluoranthene	Winter 2015			1	0.13		0.04	I							230	n	3000	n					80	n		8.9	
206-44-0	~Fluoranthene	Spring 2015			1	0.13		0.04	I							240	n	3000	n					80	n		8.9	
.	~Fluoranthene	Change														10												
86-73-7	~Fluorene	Winter 2015	V		1	0.13		0.04	I							230	n	3000	n					29	n		0.54	
86-73-7	~Fluorene	Spring 2015	V		1	0.13		0.04	I							240	n	3000	n					29	n		0.54	
.	~Fluorene	Change														10												
110-00-9	~Furan	Winter 2015	V		1	0.03	6220	0.001	I							7.2	n	100	n					1.9	n		0.00073	
110-00-9	~Furan	Spring 2015	V		1	0.03	6220	0.001	I							7.3	n	100	n					1.9	n		0.00073	
.	~Furan	Change														0.1												
39635-31-9	~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	Winter 2015			1	0.14		0.000023	E	0.0013	E	3.9	E	0.0011	E	0.12	c**	0.53	c**	0.0025	c*	0.011	c*	0.02	c**		0.014	
39635-31-9	~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	Spring 2015	V		1	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*		0.0028	
.	~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	Change	X															-0.02						-0.016	X		-0.0112	
52663-72-6	~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	Winter 2015			1	0.14		0.000023	E	0.0013	E	3.9	E	0.0011	E	0.12	c**	0.53	c**	0.0025	c*	0.011	c*	0.02	c**		0.0084	
52663-72-6	~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	Spring 2015	V		1	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	
.	~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	Change	X															-0.02						-0.016	X		-0.0067	
69782-90-7	~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	Winter 2015			1	0.14		0.000023	E	0.0013	E	3.9	E	0.0011	E	0.12	c**	0.53	c**	0.0025	c*	0.011	c*	0.02	c**		0.0085	
69782-90-7	~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	Spring 2015	V		1	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	
.	~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	Change	X															-0.02						-0.016	X		-0.0068	
38380-08-4	~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	Winter 2015			1	0.14		0.000023	E	0.0013	E	3.9	E	0.0011	E	0.12	c**	0.53	c**	0.0025	c*	0.011	c*	0.02	c**		0.0085	
38380-08-4	~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	Spring 2015	V		1	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	
.	~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	Change	X															-0.02						-0.016	X		-0.0068	
32774-16-6	~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	Winter 2015			1	0.14		2.3E-08	E	0.0000013	E	3900	E	1.1	E	0.00012	c**	0.00053	c**	0.0000025	c*	0.000011	c*	0.00002	c**		0.0000084	
32774-16-6	~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	Spring 2015	V		1	0.14		2.3E-08	E	0.0000013	E	3900	E	1.1	E	0.00012	c**	0.00051	c**	0.0000025	c*	0.000011	c*	0.000004	c*		0.0000017	
.	~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	Change	X																						X			
193-39-5	~Indeno[1,2,3-cd]pyrene	Winter 2015		M	1	0.13						0.73	E	0.00011	C	0.15	c	2.9	c	0.0092	c	0.11	c	0.034	c		0.24	
193-39-5	~Indeno[1,2,3-cd]pyrene	Spring 2015		M	1	0.13						0.73	E	0.00011	C	0.16	c	2.9	c	0.0092	c	0.11	c	0.034	c		0.13	
.	~Indeno[1,2,3-cd]pyrene	Change														0.01											-0.11	
7439-92-1	~Lead and Compounds	Winter 2015			1											400	L	800	L	0.15	L			15	L	15		14
7439-92-1	~Lead and Compounds	Spring 2015			1											400		800	L	0.15	L			15	L	15		14

CAS	Chemical	Type of Observation	v o c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	k e y_2	RfCi (mg/m3)	k e y_3	SFO (mg/kg-day)$^{-1}$	k e y	IUR (ug/m3)$^{-1}$	k e y_1	Resident Soil (mg/kg)	key	Industrial Soil (mg/kg)	key_1	Resident Air (ug/m^3)	key_2	Industrial Air (ug/m^3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
.	~Lead and Compounds	Change															X.											
1335-32-6	~Lead subacetate	Winter 2015			1	0.1						0.0085	C	0.000012	C	63	c	270	c	0.23	c	1	c	9.2	c			
1335-32-6	~Lead subacetate	Spring 2015			1	0.1						0.0085	C	0.000012	C	64	c	270	c	0.23	c	1	c	9.2	c			
.	~Lead subacetate	Change														1												
90-12-0	~Methylnaphthalene, 1-	Winter 2015	V		1	0.13		0.07	A			0.029	P			17	c*	73	c*					1.1	c*		0.0058	
90-12-0	~Methylnaphthalene, 1-	Spring 2015	V		1	0.13		0.07	A			0.029	P			18	c*	73	c*					1.1	c*		0.0058	
.	~Methylnaphthalene, 1-	Change														1												
91-57-6	~Methylnaphthalene, 2-	Winter 2015	V		1	0.13		0.004	I							23	n	300	n					3.6	n		0.019	
91-57-6	~Methylnaphthalene, 2-	Spring 2015	V		1	0.13		0.004	I							24	n	300	n					3.6	n		0.019	
.	~Methylnaphthalene, 2-	Change														1												
57835-92-4	~Nitropyrene, 4-	Winter 2015			1	0.13						1.2	C	0.00011	C	0.41	c	1.8	c	0.026	c	0.11	c	0.019	c		0.0032	
57835-92-4	~Nitropyrene, 4-	Spring 2015			1	0.13						1.2	C	0.00011	C	0.42	c	1.8	c	0.026	c	0.11	c	0.019	c		0.0032	
.	~Nitropyrene, 4-	Change														0.01												
117-84-0	~Octyl Phthalate, di-N-	Winter 2015			1	0.1		0.01	P							62	n	820	n					20	n		5.7	
117-84-0	~Octyl Phthalate, di-N-	Spring 2015			1	0.1		0.01	P							63	n	820	n					20	n		5.7	
.	~Octyl Phthalate, di-N-	Change														1												
65510-44-3	~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	Winter 2015			1	0.14		0.000023	E	0.0013	E	3.9	E	0.0011	E	0.12	c**	0.53	c**	0.0025	c*	0.011	c*	0.02	c**		0.0052	
65510-44-3	~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	Spring 2015	V		1	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	
.	~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	Change	X.															-0.03						-0.016	X.		-0.0042	
31508-00-6	~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	Winter 2015			1	0.14		0.000023	E	0.0013	E	3.9	E	0.0011	E	0.12	c**	0.53	c**	0.0025	c*	0.011	c*	0.02	c**		0.0051	
31508-00-6	~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	Spring 2015	V		1	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	
.	~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	Change	X.															-0.03						-0.016	X.		-0.0041	
32598-14-4	~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	Winter 2015			1	0.14		0.000023	E	0.0013	E	3.9	E	0.0011	E	0.12	c**	0.53	c**	0.0025	c*	0.011	c*	0.02	c**		0.0052	
32598-14-4	~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	Spring 2015	V		1	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	
.	~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	Change	X.															-0.03						-0.016	X.		-0.0042	
74472-37-0	~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	Winter 2015			1	0.14		0.000023	E	0.0013	E	3.9	E	0.0011	E	0.12	c**	0.53	c**	0.0025	c*	0.011	c*	0.02	c**		0.0052	
74472-37-0	~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	Spring 2015	V		1	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	
.	~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	Change	X.															-0.03						-0.016	X.		-0.0042	
57465-28-8	~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	Winter 2015			1	0.14		7E-09	E	0.0000004	E	13000	E	3.8	E	0.000037	c**	0.00016	c**	0.00000074	c*	0.0000032	c*	0.000006	c**		0.0000015	
57465-28-8	~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	Spring 2015	V		1	0.14		7E-09	E	0.0000004	E	13000	E	3.8	E	0.000037	c**	0.00015	c**	0.00000074	c*	0.0000032	c*	0.0000012	c*		0.0000003	
.	~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	Change	X.																						X.			
62-38-4	~Phenylmercuric Acetate	Winter 2015			1	0.1		0.00008	I							0.49	n	6.6	n					0.16	n		0.00005	
62-38-4	~Phenylmercuric Acetate	Spring 2015			1	0.1		0.00008	I							0.51	n	6.6	n					0.16	n		0.00005	
.	~Phenylmercuric Acetate	Change														0.02												
100-21-0	~Phthalic Acid, P-	Winter 2015			1	0.1		1	H							6200	n	82000	n					1900	n		0.68	
100-21-0	~Phthalic Acid, P-	Spring 2015			1	0.1		1	H							6300	n	82000	n					1900	n		0.68	
.	~Phthalic Acid, P-	Change														100												
85-44-9	~Phthalic Anhydride	Winter 2015			1	0.1		2	I	0.02	C					12000	n	160000	nm	2.1	n	8.8	n	3900	n		0.85	
85-44-9	~Phthalic Anhydride	Spring 2015			1	0.1		2	I	0.02	C					13000	n	160000	nm	2.1	n	8.8	n	3900	n		0.85	
.	~Phthalic Anhydride	Change														1000												
1336-36-3	~Polychlorinated Biphenyls (high risk)	Winter 2015			1	0.14						2	I	0.00057	I	0.24	c	1	c	0.0049	c	0.021	c					
1336-36-3	~Polychlorinated Biphenyls (high risk)	Spring 2015	V		1	0.14						2	I	0.00057	I	0.23	c	0.97	c	0.0049	c	0.021	c					
.	~Polychlorinated Biphenyls (high risk)	Change	X.													-0.01		-0.03										
1336-36-3	~Polychlorinated Biphenyls (low risk)	Winter 2015			1	0.14						0.4	I	0.0001	I					0.028	c	0.12	c	0.19	c	0.5	0.03	0.078
1336-36-3	~Polychlorinated Biphenyls (low risk)	Spring 2015	V		1	0.14						0.4	I	0.0001	I					0.028	c	0.12	c	0.044	c	0.5	0.0068	0.078
.	~Polychlorinated Biphenyls (low risk)	Change	X.																					-0.146			-0.0232	
1336-36-3	~Polychlorinated Biphenyls (lowest risk)	Winter 2015			1	0.14						0.07	I	0.00002	I					0.14	c	0.61	c					
1336-36-3	~Polychlorinated Biphenyls (lowest risk)	Spring 2015	V		1	0.14						0.07	I	0.00002	I					0.14	c	0.61	c					
.	~Polychlorinated Biphenyls (lowest risk)	Change	X.																									
129-00-0	~Pyrene	Winter 2015	V		1	0.13		0.03	I							170	n	2300	n					12	n		1.3	
129-00-0	~Pyrene	Spring 2015	V		1	0.13		0.03	I							180	n	2300	n					12	n		1.3	
.	~Pyrene	Change														10												
1746-01-6	~TCDD, 2,3,7,8-	Winter 2015			1	0.03		7E-10	I	4E-08	C	130000	C	38	C	0.0000049	c**	0.000022	c**	7.4E-08	c*	3.2E-07	c*	0.0000006	c**	0.00003	0.0000003	0.000015
1746-01-6	~TCDD, 2,3,7,8-	Spring 2015	V		1	0.03		7E-10	I	4E-08	C	130000	C	38	C	0.0000048	c**	0.000022	c**	7.4E-08	c*	3.2E-07	c*	1.2E-07	c*	0.00003	0.000000059	0.000015
.	~TCDD, 2,3,7,8-	Change	X.																						X.			
32598-13-3	~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	Winter 2015			1	0.14		0.000007	E	0.0004	E	13	E	0.0038	E	0.037	c**	0.16	c**	0.00074	c*	0.0032	c*	0.006	c**		0.00094	
32598-13-3	~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	Spring 2015			1	0.14		0.000007	E	0.0004	E	13	E	0.0038	E	0.038	c**	0.16	c**	0.00074	c*	0.0032	c*	0.006	c**		0.00094	
.	~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	Change														0.001												
70362-50-4	~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	Winter 2015			1	0.14		0.0000023	E	0.00013	E	39	E	0.011	E	0.012	c**	0.053	c**	0.00025	c*	0.0011	c*	0.002	c**		0.00031	
70362-50-4	~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	Spring 2015	V		1	0.14		0.0000023	E	0.00013	E	39	E	0.011	E	0.012	c**	0.049	c**	0.00025	c*	0.0011	c*	0.0004	c*		0.000062	
.	~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	Change	X.															-0.004						-0.0016	X.		-0.000248	
78-00-2	~Tetraethyl Lead	Winter 2015			1	0.1		0.0000001	I							0.00062	n	0.0082	n					0.00013	n		0.00000047	
78-00-2	~Tetraethyl Lead	Spring 2015	V		1		2.43	0.0000001	I							0.00078	n	0.012	n					0.00013	n		0.00000047	
.	~Tetraethyl Lead	Change	X.													0.00016		0.0038										
463-56-9	~Thiocyanic Acid	Winter 2015			1			0.0002	X							1.6	n	23	n					0.4	n			
463-56-9	~Thiocyanic Acid	Spring 2015	V		1			0.0002	X							1.6	n	23	n					0.4	n			
.	~Thiocyanic Acid	Change	X.																									