

SL Table compare

CAS	Chemical	Type of Observation	v o c	mutagen	GIABS	ABS	Csat (mg/kg)	RfDo (mg/kg-day)	key_2	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/m3)	key_2	Industrial Air (ug/m3)	key_3	Tapwater (ug/L)	key_4	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)
75-85-4	Amyl Alcohol, tert-	Fall NOV2013	V		1		13700			0.003 X						88 n		370 n		3.1 n		13 n		6.3 n			0.0013	
92-52-4	Biphenyl, 1,1'-	Spring MAY2013	V		1			0.05 I		0.0004 X		0.008 X				51 n		210 n		0.42 n		1.8 n		0.83 n			0.0087	
92-52-4	Biphenyl, 1,1'-	Fall NOV2013	V		1			0.5 I		0.0004 X		0.008 I				51 n		210 n		0.42 n		1.8 n		0.83 n			0.0087	
	Biphenyl, 1,1'-	Change Effect						0.45				X.																
128-37-0	Butylated hydroxytoluene	Fall NOV2013			1	0.1		0.3 P				0.0036 P				140 c		480 c						2.9 c			0.086	
105-60-2	Caprolactam	Spring MAY2013			1	0.1		0.5 I								31000 n		310000 nm						7700 n			1.9	
105-60-2	Caprolactam	Fall NOV2013			1	0.1		0.5 I		0.0022 C						30000 n		300000 nm		2.3 n		9.6 n		7700 n			1.9	
	Caprolactam	Change Effect										X.				-1000		-10000		X.		X.						
132-65-0	Dibenzothiophene	Fall NOV2013	V		1			0.01 X								780 n		10000 n						48 n			0.88	
119-90-4	Dimethoxybenzidine, 3,3'-	Spring MAY2013			1	0.1						0.014 H				35 c		120 c						4.7 c			0.0057	
119-90-4	Dimethoxybenzidine, 3,3'-	Fall NOV2013			1	0.1						1.6 P				0.3 c		1.1 c						0.041 c			0.00005	
	Dimethoxybenzidine, 3,3'-	Change Effect										1.586 X.				-34.7		-118.9						-4.659			-0.00565	
25321-14-6	Dinitrotoluene, Technical grade	Spring MAY2013			1	0.1		0.005 X				0.45 X				1.1 c		3.8 c						0.14 c			0.00019	
25321-14-6	Dinitrotoluene, Technical grade	Fall NOV2013			1	0.1		0.0009 X				0.45 X				1.1 c*		3.8 c						0.14 c*			0.00019	
	Dinitrotoluene, Technical grade	Change Effect						-0.0041								X								X				
123-91-1	Dioxane, 1,4-	Spring MAY2013			1	0.1		0.03 I		0.11 A		0.1 I		0.0000077 C		4.9 c		17 c		0.32 c		1.6 c		0.67 c			0.00014	
123-91-1	Dioxane, 1,4-	Fall NOV2013			1	0.1		0.03 I		0.03 I		0.1 I		0.000005 I		4.9 c		17 c		0.49 c*		2.5 c*		0.67 c			0.00014	
	Dioxane, 1,4-	Change Effect								-0.08 X.				X.						0.17 X		0.9 X						
110-80-5	Ethoxyethanol, 2-	Spring MAY2013			1	0.1		0.4 H		0.2 I						24000 n		250000 nm		210 n		880 n		6200 n			1.3	
110-80-5	Ethoxyethanol, 2-	Fall NOV2013			1	0.1		0.09 P		0.2 I						5500 n		55000 n		210 n		880 n		1400 n			0.28	
	Ethoxyethanol, 2-	Change Effect						-0.31 X.								-18500		-195000 X						-4800			-1.02	
141-78-6	Ethyl Acetate	Spring MAY2013	V		1		10800	0.9 I								7000 ns		920000 nms						14000 n			2.9	
141-78-6	Ethyl Acetate	Fall NOV2013	V		1		10800	0.9 I		0.07 P						670 n		2800 n		73 n		310 n		140 n			0.031	
	Ethyl Acetate	Change Effect								X.						-69330 X		-917200 XX.		X.		X.		-13860			-2.869	
75-00-3	Ethyl Chloride	Spring MAY2013	V		1		2120			10 I						15000 ns		61000 ns		10000 n		44000 n		21000 n			5.9	
75-00-3	Ethyl Chloride (Chloroethane)	Fall NOV2013	V		1		2120			10 I						15000 ns		61000 ns		10000 n		44000 n		21000 n			5.9	
67-56-1	Methanol	Spring MAY2013			1	0.1		0.5 I		4 C						31000 n		310000 nm		4200 n		18000 n		7800 n			1.6	
67-56-1	Methanol	Fall NOV2013			1	0.1		2 I		20 I						120000 nm		1200000 nm		21000 n		88000 n		31000 n			6.3	
	Methanol	Change Effect						1.5		16 X.						89000 X		890000 X		16800		70000		23200			4.7	
75-52-5	Nitromethane	Spring MAY2013	V		1		18000			0.02 P				0.000009 P		4.9 c*		25 c*		0.27 c*		1.4 c*		0.54 c*			0.00012	
75-52-5	Nitromethane	Fall NOV2013	V		1		18000			0.005 P				0.0000088 P		5 c*		25 c*		0.28 c*		1.4 c*		0.55 c*			0.00012	
	Nitromethane	Change Effect								-0.015						0.1								0.01				
111-84-2	Nonane, n-	Spring MAY2013	V		1		6.86	0.0003 X		0.2 P						21 ns		230 ns		210 n		880 n		4.6 n			0.066	
111-84-2	Nonane, n-	Fall NOV2013	V		1		6.86	0.0003 X		0.02 P						12 ns		74 ns		21 n		88 n		4.2 n			0.06	
	Nonane, n-	Change Effect								-0.18						-9		-156		-189		-792		-0.4			-0.006	
2691-41-0	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetra (HMX)	Spring MAY2013			1	0.01		0.05 I								3800 n		49000 n						780 n			0.99	
2691-41-0	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	Fall NOV2013			1	0.01		0.05 I								3800 n		49000 n						780 n			0.99	
479-45-8	Tetryl (Trinitrophenylmethylnitramine)	Spring MAY2013			1	0.1		0.004 P								240 n		2500 n						61 n			0.58	
479-45-8	Tetryl (Trinitrophenylmethylnitramine)	Fall NOV2013			1	0.1		0.002 P								120 n		1200 n						31 n			0.29	
	Tetryl (Trinitrophenylmethylnitramine)	Change Effect						-0.002								-120		-1300						-30			-0.29	
NA	Total Petroleum Hydrocarbons (Aliphatic High)	Fall NOV2013			1	0.1		3 P								180000 nm		1800000 nm						47000 n			1900	
NA	Total Petroleum Hydrocarbons (Aliphatic Low)	Fall NOV2013	V		1		141			0.6 P				1.9E-07 P		11 c*		58 c*		13 c*		65 c*		26 c*			0.18	
NA	Total Petroleum Hydrocarbons (Aliphatic Medium)	Fall NOV2013	V		1		6.86	0.01 P		0.1 P				0.0000045 P		0.61 c		3.1 c		0.54 c		2.7 c		1.1 c*			0.015	
NA	Total Petroleum Hydrocarbons (Aromatic High)	Fall NOV2013			1	0.1		0.04 P				7.3 P				0.067 c		0.24 c						0.0092 c			0.001	
NA	Total Petroleum Hydrocarbons (Aromatic Low)	Fall NOV2013	V		1		1820	0.004 P		0.03 P		0.055 P		0.0000078 P		1.1 c*		5.4 c*		0.31 c		1.6 c*		0.39 c*			0.0002	
NA	Total Petroleum Hydrocarbons (Aromatic Medium)	Fall NOV2013	V		1			0.004 P		0.003 P						110 n		630 n		3.1 n		13 n		5.2 n			0.022	