

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_4	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						8.8 n		37 n		0.31 n		1.3 n		0.63 n			0.0013	
7440-38-2	Arsenic, Inorganic	Spring MAY2013				1	0.03	0.0003 I		1.5E-05 C		1.5 I		0.0043 I		0.61 c**R		2.4 c**R		0.00057 c**		0.0029 c**		0.045 c*	10	0.0013	0.29	
7440-38-2	Arsenic, Inorganic	Fall NOV2013				1	0.03	0.0003 I		1.5E-05 C		1.5 I		0.0043 I		0.61 c**R		2.4 c**R		0.00057 c**		0.0029 c**		0.045 c*	10	0.0013	0.29	
	Arsenic, Inorganic	Change Effect														XX.												
92-52-4	Biphenyl, 1,1'-	Spring MAY2013	V			1		0.05 I		0.0004 X		0.008 X				5.1 n		21 n		0.042 n		0.18 n		0.083 n			0.00087	
92-52-4	Biphenyl, 1,1'-	Fall NOV2013	V			1		0.5 I		0.0004 X		0.008 I				5.1 n		21 n		0.042 n		0.18 n		0.083 n			0.00087	
	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								3100 n		31000 n						770 n			0.19	
105-60-2	Caprolactam	Fall NOV2013				1	0.1	0.5 I		0.0022 C						3000 n		30000 n		0.23 n		0.96 n		770 n			0.19	
	Caprolactam	Change Effect										X.				-100 .		-1000		X.		X.						
132-65-0	Dibenzothiophene	Fall NOV2013	V			1		0.01 X								78 n		1000 n						4.8 n			0.088	
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	0.0009 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										X				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						2400 n		25000 n		21 n		88 n		620 n			0.13	
110-80-5	Ethoxyethanol, 2-	Fall NOV2013				1	0.1	0.09 P		0.2 I						550 n		5500 n		21 n		88 n		140 n			0.028	
	Ethoxyethanol, 2-	Change Effect						-0.31 X.								-1850 .		-19500						-480			-0.102	
141-78-6	Ethyl Acetate	Spring MAY2013	V			1	10800	0.9 I								7000 n		92000 ns						1400 n			0.29	
141-78-6	Ethyl Acetate	Fall NOV2013	V			1	10800	0.9 I		0.07 P						67 n		280 n		7.3 n		31 n		14 n			0.0031	
	Ethyl Acetate	Change Effect								X.						-6933 .		-91720 .X		X.		X.		-1386			-0.2869	
75-00-3	Ethyl Chloride	Spring MAY2013	V			1	2120			10 I						1500 n		6100 ns		1000 n		4400 n		2100 n			0.59	
75-00-3	Ethyl Chloride (Chloroethane)	Fall NOV2013	V			1	2120			10 I						1500 n		6100 ns		1000 n		4400 n		2100 n			0.59	
67-56-1	Methanol	Spring MAY2013				1	0.1	0.5 I		4 C						3100 n		31000 n		420 n		1800 n		780 n			0.16	
67-56-1	Methanol	Fall NOV2013				1	0.1	2 I		20 I						12000 n		120000 nm		2100 n		8800 n		3100 n			0.63	
	Methanol	Change Effect						1.5		16 X.						8900 .		89000 .X		1680		7000		2320			0.47	
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						2.1 n		23 ns		21 n		88 n		0.46 n			0.0066	
111-84-2	Nonane, n-	Fall NOV2013	V			1	6.86	0.0003 X		0.02 P						1.2 n		7.4 ns		2.1 n		8.8 n		0.42 n			0.006	
	Nonane, n-	Change Effect								-0.18						-0.9 .		-15.6		-18.9		-79.2		-0.04			-0.0006	
2691-41-0	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetra (HMX)	Spring MAY2013				1	0.01	0.05 I								380 n		4900 n						78 n			0.099	
2691-41-0	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	Fall NOV2013				1	0.01	0.05 I								380 n		4900 n						78 n			0.099	
479-45-8	Tetryl (Trinitrophenylmethylnitramine)	Spring MAY2013				1	0.1	0.004 P								24 n		250 n						6.1 n			0.058	
479-45-8	Tetryl (Trinitrophenylmethylnitramine)	Fall NOV2013				1	0.1	0.002 P								12 n		120 n						3.1 n			0.029	
	Tetryl (Trinitrophenylmethylnitramine)	Change Effect						-0.002								-12 .		-130						-3			-0.029	
NA	Total Petroleum Hydrocarbons (Aliphatic High)	Fall NOV2013				1	0.1	3 P								18000 n		180000 nm						4700 n			190	
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						11 n		63 n		0.31 n		1.3 n		0.52 n			0.0022	