

DB setup comparison for chemical toxicity 1124

Key: RfD<sub>o</sub> = Oral reference dose; RfC<sub>i</sub> = Inhalation reference concentration; SFO = Oral slope factor; IUR = Inhalation unit risk; HEAST = Health Effects Assessment Summary Tables; IRIS = Integrated Risk Information System; CALEPA = California Environmental Protection Agency; PPRTV = Provisional Peer-reviewed Toxicity Value; DWSHA = Drinking water standards and health advisory; ATSDR = Agency for Toxic Substances and Disease Registry; OPP = Office of Pesticide Programs; WHO/TEF = World Health Organization Toxicity Equivalency Factors; SCREEN = PPRTV Appendix Screening Value; VOC = Volatile organic compound; SVOC = Semivolatile organic compound; PEST = Pesticide; PAH = Polynuclear aromatic hydrocarbon; PFAS = Per- and polyfluoroalkyl substance.

Chemical Status	Changes from 0424 to 1124	CAS No.	Chemical	CHEMTYPE	VOC	Mutagenic	RfD <sub>o</sub> (mg/kg-day)	key	RfC <sub>i</sub> (mg/m <sup>3</sup> )	key	SFO (mg/kg-day) <sup>-1</sup>	key	IUR (ug/m <sup>3</sup> ) <sup>-1</sup>	key
Recurring Chemical	Spring 2024	126-99-8	Chloro-1,3-butadiene, 2- (Chloroprene)	VOC	1	0	2.00E-02	HEAST	2.00E-02	IRIS			3.00E-04	IRIS
Recurring Chemical	Fall 2024	126-99-8	Chloro-1,3-butadiene, 2- (Chloroprene)	VOC	1	1	2.00E-02	HEAST	2.00E-02	IRIS			3.00E-04	IRIS
Recurring Chemical	Field Change Effect					X								
Recurring Chemical	Spring 2024	18540-29-9	Chromium(VI)	INORGANIC	0	1	3.00E-03	IRIS	1.00E-04	IRIS	5.00E-01	CALEPA	8.40E-02	SURROGATE
Recurring Chemical	Fall 2024	18540-29-9	Chromium(VI)	INORGANIC	0	1	9.00E-04	IRIS	3.00E-05	IRIS	1.60E-01	IRIS	1.10E-02	IRIS
Recurring Chemical	Field Change Effect					X			X		X	X	X	X
Recurring Chemical	Spring 2024	75-35-4	Dichloroethylene, 1,1-	VOC	1	0	5.00E-02	IRIS	2.00E-01	IRIS				
Recurring Chemical	Fall 2024	75-35-4	Dichloroethylene, 1,1-	VOC	1	0	5.00E-02	IRIS	3.96E-03	ATSDR				
Recurring Chemical	Field Change Effect					X			X	X				
Recurring Chemical	Spring 2024	119-90-4	Dimethoxybenzidine, 3,3'-	SVOC	0	0					1.60E+00	PPRTV		
Recurring Chemical	Fall 2024	119-90-4	Dimethoxybenzidine, 3,3'-	SVOC	0	1					1.60E+00	PPRTV		
Recurring Chemical	Field Change Effect					X								
Recurring Chemical	Spring 2024	119-93-7	Dimethylbenzidine, 3,3'-	SVOC	0	0					1.10E+01	PPRTV		
Recurring Chemical	Fall 2024	119-93-7	Dimethylbenzidine, 3,3'-	SVOC	0	1					1.10E+01	PPRTV		
Recurring Chemical	Field Change Effect					X								
Recurring Chemical	Spring 2024	50-00-0	Formaldehyde	VOC	1	0	2.00E-01	IRIS	9.82E-03	ATSDR	2.10E-02	CALEPA	1.30E-05	IRIS
Recurring Chemical	Fall 2024	50-00-0	Formaldehyde	VOC	1	1	2.00E-01	IRIS	7.00E-03	IRIS	2.10E-02	CALEPA	7.40E-06	IRIS
Recurring Chemical	Field Change Effect					X			X	X			X	
Recurring Chemical	Spring 2024	58-89-9	Hexachlorocyclohexane, Gamma- (Lindane)	PEST	0	0	3.00E-04	IRIS			1.10E+00	CALEPA	3.10E-04	CALEPA
Recurring Chemical	Fall 2024	58-89-9	Hexachlorocyclohexane, Gamma- (Lindane)	PEST	0	0	8.00E-07	ATSDR			1.10E+00	CALEPA	3.10E-04	CALEPA
Recurring Chemical	Field Change Effect					X			X	X				
Recurring Chemical	Spring 2024	90-12-0	Methylnaphthalene, 1-	PAH	1	0	7.00E-02	ATSDR	3.00E-06	PPRTV	5.10E-02	SCREEN		
Recurring Chemical	Fall 2024	90-12-0	Methylnaphthalene, 1-	PAH	1	0	7.00E-02	ATSDR_DRAFT	3.00E-06	PPRTV	5.10E-02	SCREEN		
Recurring Chemical	Field Change Effect					X								
Recurring Chemical	Spring 2024	95-54-5	Phenylenediamine, o-	SVOC	0	0	4.00E-03	PPRTV			1.20E-01	PPRTV		
Recurring Chemical	Fall 2024	95-54-5	Phenylenediamine, o-	SVOC	0	1	4.00E-03	PPRTV			1.20E-01	PPRTV		
Recurring Chemical	Field Change Effect					X								
Recurring Chemical	Spring 2024	7723-14-0	Phosphorus, white	INORGANIC	1	0	2.00E-05	IRIS						
Recurring Chemical	Fall 2024	12185-10-3	Phosphorus, white	INORGANIC	1	0	2.00E-05	IRIS						
Recurring Chemical	Field Change Effect					X								
Recurring Chemical	Spring 2024	75-01-4	Vinyl Chloride	VOC	1	1	3.00E-03	IRIS	1.00E-01	IRIS	7.20E-01	IRIS	4.40E-06	IRIS
Recurring Chemical	Fall 2024	75-01-4	Vinyl Chloride	VOC	1	1	3.00E-03	IRIS	5.11E-02	ATSDR	7.20E-01	IRIS	4.40E-06	IRIS
Recurring Chemical	Field Change Effect					X			X	X				
New Chemical		3108-42-7	Ammonium perfluorodecanoate	PFAS	0	0	2.07E-09	IRIS						
New Chemical		243-17-4	Benzofluorene, 2,3-	PAH	0	0	5.00E-03	SCREEN						
New Chemical		75-18-3	Dimethyl Sulfide	VOC	1	0	2.00E-02	SCREEN	2.00E-04	SCREEN				
New Chemical		319-86-8	Hexachlorocyclohexane, Delta-	PEST	0	0	6.00E-08	SCREEN						
New Chemical		99-87-6	Isopropyltoluene, p-	VOC	1	0	4.00E-03	SCREEN	4.00E-02	SCREEN				
New Chemical		122499-17-6	Perfluoro(2-propoxypropanoate)	PFAS	1	0	3.00E-06	DWSHA						
New Chemical		73829-36-4	Perfluorodecanoate	PFAS	0	0	2.00E-09	IRIS						
New Chemical		335-76-2	Perfluorodecanoic acid (PFDA)	PFAS	0	0	2.00E-09	IRIS						
New Chemical		7723-14-0	Phosphorus	INORGANIC	1	0	2.00E-05	IRIS						
New Chemical		51604-85-4	Potassium perfluorodecanoate	PFAS	0	0	2.15E-09	IRIS						
New Chemical		3830-45-3	Sodium perfluorodecanoate	PFAS	0	0	2.09E-09	IRIS						