Table 2: Preliminary Revisions to Method B Indoor Air Screening Levels (SLs) Based on Current Toxicological Information (May 13, 2010)											
Name of Hazardous Substance	CAS #		Draft SL	Basis		Updated SL	Basis	IUR	Source	RFC	Source	Reason for Change
acetaldehyde	75-07-0		1.1	C		1.1	C	2.2E-06	IRIS	9.0E-03	IRIS	No Change
acetonitrile	75-05-8		27	NC		27	NC			6.0E-02	IRIS	No Change
acetophenone	98-86-2		0.008	NC		Drop?						No inhalation toxicity values in IRIS or Regional Screening Tables
acrolein (Propenal)	107-02-8		0.0091	NC		0.009	NC			2.0E-05	IRIS	No Change
acrylonitrile	107-13-1		0.037	C		0.037	C	6.8E-05	IRIS	2.0E-03	IRIS	No Change
aldrin	309-00-2		0.00051	C		0.00051	C	4.9E-03	IRIS			No Change
benzene	71-43-2		0.32	C		0.32	C	7.8E-06	IRIS	3.0E-02	IRIS	No Change
benzyl chloride	100-44-7		0.052	C		0.048	C	4.9E-05	Cal EPA/RST	1.0E-03	PPRTV	SL recalculated using Cal EPA inhalation unit risk (replaces HEAST CPFi)
bis(2-chloroethyl)ether	111-44-4		0.0076	C		0.0076	C	3.3E-04	IRIS			No Change
bromodichloromethane	75-27-4		0.0033	C		0.068	C	3.7E-05	Cal EPA/RST			SL recalculated using Cal EPA inhalation unit risk factor (replaces ???)
bromoform	75-25-2		2.3	C		2.3	C	1.1E-06	IRIS			No Change
bromomethane	74-83-9		2.3	NC		2.3	NC			5.0E-03	IRIS	No Change
butadiene;1,3-	106-99-0		0.08	C		0.08	C	3.0E-05	IRIS	2.0E-03	IRIS	No Change
carbon disulfide	75-15-0		320	NC		320	NC			7.0E-01	IRIS	No Change
carbon tetrachloride	56-23-5		0.17	C		0.4	C	6.0E-06	IRIS	1.9E-01	ATSDR	SL recalculated using new IRIS inhalation unit risk factor (March 2010)
chlorobenzene	108-90-7		8	NC		23	NC			5.0E-02	PPTRV	SL recalculated using PPTRV (replaces HEAST reference dose)
chlorodifluoromethane (Freon 22)	75-45-6		23000	NC		23000	NC			5.0E+01	IRIS	No Change
chloroform	67-66-3		0.11	C		0.11	C	2.3E-05	IRIS	9.8E-02	ATSDR	No Change
chloromethane	74-87-3		1.4	C		41	NC			9.0E-02	IRIS	No Change
Chloroprene (2-chloro-1,3-butadiene)	126-99-8		3.2	NC		3.2	NC			7.0E-03	HEAST/RST	No Change
chloropropane;2-	75-29-6		4.6	NC		Drop?						Basis for Draft Sceeening Level is Unclear
cumene (Isopropylbenzene)	98-82-8		180	NC		180	NC			4.0E-01	IRIS	No Change
dibromochloromethane	124-48-1		0.0045	C		0.093	C	2.7E-05	Cal EPA/RST			SL recalculated using Cal EPA inhalation unit risk factor (replaces ???)
dichlorobenzene;1,2-	95-50-1		64	NC		91	NC			2.0E-01	HEAST/RST	SL recalculated using RfC from Regional Screening Tables (replaces HEAST)
dichlorobenzene;1,4-	106-46-7		370	NC		2.3	NC	1.10E-05	Cal EPA/RST	8.0E-01	IRIS	SL recalculated using Cal EPA inhalation unit risk factor
dichlorodifluoromethane (Freon 12)	75-71-8		80	NC		91	NC			2.0E-01	HEAST/RST	SL recalculated using RfC from Regional Screening Tables (replaces HEAST)
dichloroethane;1,1- (DCA)	75-34-3		320	NC		2.3	C	1.1E-06	Cal EPA/RST			SL recalculated using Cal EPA inhalation unit risk factor
dichloroethane;1,2- (DCA)	107-06-2		0.096	C		0.1	C	2.6E-05	IRIS	2.4E+00	ATSDR	No Change
dichloroethylene;1,1- (DCE)	75-35-4		91	NC		91	NC			2.0E-01	IRIS	No Change
dichloroethylene;1,2-,cis (DCE)	156-59-2		16	NC		Drop?						No Regional Screening Level - Draft SL based on oral toxicity value.
dichloroethylene;1,2-,trans (DCE)	156-60-5		32	NC		27	NC			6.0E-02	PPTRV	SL recalculated using PPRTV (replaces HEAST reference dose)
dichloropropane;1,2-	78-87-5		1.8	NC		0.25	C	1.00E-05	Cal EPA/RST	4.0E-03	IRIS	SL recalculated using Cal EPA inhalation unit risk factor
dichloropropene;1,3-	542-75-6		0.63	C		0.63	C	4.0E-06	IRIS	0.02	IRIS	No Change
Diisopropyl Ether (isopropyl ether)	108-20-3		180	NC		180	NC			4.0E-01	PPTRV	No Change
ethyl chloride	75-00-3		3	C		4600	NC			1.0E+01	IRIS	No cancer values in IRIS or Regional Screening Tables
ethylbenzene	100-41-4		460	NC		460	NC	2.50E-06	Cal EPA/RST	1.0E+00	IRIS	No Change
ethylene dibromide (EDB)	106-93-4		0.011	C		0.004	C	6.0E-04	IRIS	9.00E-03	IRIS	SL recalculated using IRIS unit inhalation risk factor
ethylene oxide	75-21-8		0.025	C		0.025	C	IE-04	IRIS	3.00E-02	Cal EPA/RST	No Change
hexachlorobutadiene	87-68-3		0.11	C		0.11	C	2.2E-05	IRIS			No Change
hexachloroethane	67-72-1		0.63	C		0.63	C	4.0E-06	IRIS			No Change
hexane;n-	110-54-3		320	NC		320	NC			7.0E-01	IRIS	No Change
hydrogen cyanide	74-90-8		1.4	NC		1.4	NC			3.0E-03	IRIS	No Change
mercury (elemental)	7439-97-6		0.14	NC		0.14	NC			3.0E-04	IRIS	No Change
methacrylonitrile	126-98-7		0.32	NC		0.32	NC			7.0E-04	HEAST/RST	No Change

Table 2: Preliminary Revisions to Method B Indoor Air Screening Levels (SLs) Based on Current Toxicological Information (May 13, 2010)											
Name of Hazardous Substance	CAS #		Draft SL	Basis		Updated SL	Basis	IUR	Source	RFC	Source	Reason for Change
methyl ethyl ketone	78-93-3		460	NC		2300	NC			5.0E+00	IRIS	SL recalculated using IRIS reference concentration (replaces HEAST value)
methyl isobutyl ketone	108-10-1		32	NC		1400	NC			3.0E+00	IRIS	SL recalculated using IRIS reference concentration (replaces HEAST value)
methyl methacrylate	80-62-6		320	NC		320	NC			7.0E-01	IRIS	No Change
methyl tert-butyl ether (MTBE)	1634-04-4		9.6	C		9.6	C	2.6E-07	Cal EPA/RST	3.00E-01	IRIS	No Change
methylcyclohexane	108-87-2		1400	NC		Drop?				3.00E+00	HEAST	No inhalation toxicity values in Regional Screening Tables
methylene chloride	75-09-2		5.3	C		5.3	C	4.7E-07	IRIS	1	ATSDR	No Change
naphthalene	91-20-3		1.4	NC		???		3.4E-05	Cal EPA/RST	3.0E-03	IRIS	Further evaluation of screening level (NC = 1.4 vs C = 0.07)
nitrobenzene	98-95-3		0.27	NC		0.07	C	4.0E-05	IRIS	9.00E-03	IRIS	SL recalculated using IRIS unit inhalation risk factor
nitropropane;2-	79-46-9		0.00093	C		0.00093	C	2.7E-03	IRIS	2.00E-02	IRIS	No Change
styrene	100-42-5		4.4	C		460	NC			1.0E+00	IRIS	SL recalculated using IRIS reference concentration
tetrachloroethane;1,1,1,2-	630-20-6		0.34	C		0.34	C	7.4E-06	IRIS			No Change
tetrachloroethane;1,1,2,2-	79-34-5		0.043	C		0.043	C	5.8E-05	IRIS			No Change
tetrachloroethylene (PCE)	127-18-4		0.42	C		0.42	C	5.9E-06	Cal EPA/RST	2.70E-01	ATSDR	No Change
toluene	108-88-3		2200	NC		2200	NC			5.0E+00	IRIS	No Change
trichloro-1,2,2-trifluoroethane;1,1,2- (Freon	76-13-1		14000	NC		14000	NC			3.0E+01	HEAST/RST	No Change
trichlorobenzene;1,2,4-	120-82-1		91	NC		0.91	NC			2.0E-03	PPRTV	SL recalculated using PPRTV (replaces HEAST reference dose)
trichloroethane;1,1,1- (TCA)	71-55-6		4800	NC		2300	NC			5.0E+00	IRIS	SL recalculated using IRIS (replaces HEAST reference dose)
trichloroethane;1,1,2-	79-00-5		0.16	C		0.16	C	1.6E-05	IRIS			No Change
trichloroethylene (TCE)	79-01-6		0.1	C		1.3	C	2.0E-06	Cal EPA/RST			SL recalculated using Cal EPA IUR (replaces HEAST slope factor)
trichlorofluoromethane (Freon 11)	75-69-4		320	NC		320	NC			7.0E-01	HEAST/RST	No Change
trimethylbenzene;1,2,4-	95-63-6		2.7	NC		3.2	NC			7.0E-03	PPRTV	SL recalculated using PPRTV (replaces Region X reference dose)
trimethylbenzene;1,3,5-	108-67-8		2.7	NC		3.2	NC			7.0E-03	PPRTV	SL recalculated using PPRTV for 1,2,4-TMB
vinyl acetate	108-05-4		91	NC		91	NC			2.0E-01	IRIS	No Change
vinyl chloride	75-01-4		0.28	C		0.28	C	4.4E-06	IRIS	1.00E-01	IRIS	No Change (CLARC Guidance includes early life stage consideration)
xylene;m-	108-38-3		46	NC		320	NC			7.0E-01	Cal EPA/RST	SL recalculated using Cal EPA RfC (replaces HEAST RfDi)
xylene;o-	95-47-6		46	NC		320	NC			7.0E-01	Cal EPA/RST	SL recalculated using Cal EPA RfC (replaces HEAST RfDi)
VPH [EC5-6 aliphatics + EC6-8 aliphatics] frac	NE			NC								
VPH [EC8-10 aliphatics + EC10-12 aliphatics]	NE			NC								
VPH [C8-10 aromatics + EC10-12 aromatics] f	NE			NC								
APH [EC5-8 aliphatics] fraction	NE		2700	NC		2700	NC					No Change
APH [EC9-12 aliphatics] fraction	NE		140	NC		140	NC					No Change
APH [EC9-10 aromatics] fraction	NE		180	NC		180	NC					No Change

[1] Indoor Air Cleanup Level calculated using Equations 750-1 (for non-carcinogens) or 750-2 (for carcinogens) defined by MTCA.

[2] Inhalation Unit Risk (IUR) factors in the IRIS database and the EPA Regional Screening Tables (RST) were converted to inhalation cancer slope factors (CSFi) using the following formula: CSFi = (IUR * 70 kg * 1000 ug/mg)/(20 m^3/day)

[3] Reference concentrations (RfC) in the IRIS database and EPA Regional Screening Tables (RST) were converted to inhalation reference doses (RfDi) using the following formula: RfDi = (RfC * 20 m^3/day)/(70 kg)

[4] Chemical Abstracts Number.

[5] "C" refers to the substance's toxicity as a carcinogen; "NC" refers its toxicity as a non-carcinogen.

[6] "IRIS" refers to the Integrated Risk Information System: "HEAST" refers to the Health Effects Assessment Summary Tables (1997 Update); "RST" refers to EPA Regional Screening Tables; PPRTV refers to Provisional Peer Review Toxicity Value; "Cal EPA" refers to the California Environmental Protection Agency