

**APPENDIX I**

**MATES III**

**FINAL REPORT**

**List of Substances and Their Associated Risk Factors**

## Appendix I

### List of Substances and their Associated Risk Factors

Compound	Class	CAS	Acute REL (µg/m3)	Chronic REL (µg/m3)	Unit risk (µg/m3)-1
Acetaldehyde	Carbonyls	75-07-0		9	2.7E-06
Formaldehyde	Carbonyls	50-00-0	94	3	6.0E-06
Methyl Ethyl Ketone(MEK)	Carbonyls	78-93-3	13000		
Arsenic	Metal	7440-38-2	0.19	0.03	3.3E-03
Cadmium	Metal	7440-43-9		0.02	4.2E-03
Copper	Metal	7440-50-8	100	2.4	
Cr+6	Metal	18540-29-9		0.2	1.5E-01
Lead	Metal	7439-92-1		1.5	1.2E-05
Manganese	Metal	7439-96-5		0.2	
Nickel	Metal	7440-02-0	6	0.05	2.6E-04
Selenium	Metal	7782-49-2		20	
Zinc	Metal	7440-66-6		35	
Benz(a)anthracene	PAH	56-55-3			1.1E-04
Benzo(a)pyrene	PAH	50-32-8			1.1E-03
Benzo(b)fluoranthene	PAH	205-99-2			1.1E-04
Benzo(k)fluoranthene	PAH	207-08-9			1.1E-04
Chrysene	PAH	218-01-9			1.1E-05
Dibenz(ah)anthracene	PAH	53-70-3			1.2E-03
Indeno(123-cd)pyrene	PAH	193-39-5			1.1E-04
Naphthalene	PAH	91-20-3		9	3.4E-05
Benzene	VOC	71-43-2	1300	60	2.9E-05
Butadiene, 1,3-	VOC	106-99-0		20	1.7E-04
Carbon Tetrachloride	VOC	56-23-5	1900	40	4.2E-05
Chloroethene (Vinyl Chloride)	VOC	75-01-4	180000		7.8E-05
Chloroform	VOC	67-66-3			5.3E-06
Dibromoethane, 1,2- (Ethylene Dibromide)	VOC	106-93-4			7.1E-05
Dichlorobenzene, p-	VOC	106-46-7		800	1.1E-05
Dichloroethane, 1,2- (Ethylene Dichloride)	VOC	107-06-2			2.1E-05
Ethylbenzene	VOC	100-41-4		2000	2.5E-06
Methyl tertiary-butyl ether (MTBE)	VOC	1634-04-4		800	2.6E-07
Methylene Chloride (Dichloromethane)	VOC	75-09-2	14000	400	1.0E-06
Perchloroethylene	VOC	127-18-4	20000		5.9E-06
Styrene	VOC	100-42-5	21000	900	
Toluene	VOC	108-88-3	37000	300	
Trichloroethene	VOC	79-01-6		600	2.0E-06
Xylene, o-	VOC	95-47-6	22000	700	
Xylenes, (m+p)-	VOC	108-38-3/106-42-3	22000	700	
Diesel Particulate Matter			5		3.0E-4

Values for the above table are from the Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values available at <http://www.arb.ca.gov/toxics/healthval/healthval.htm>.