

Appendix F: List of the available ^{EM}HBAL_{10min}, ^{EM}HBAL_{1hr}, and AEGIs

Chemical(s)	CAS No.	^{EM} HBAL _{10min} (ppb)	10 min AEGI-1 (ppb)	10 min AEGI -2 (ppb)	10 min AEGI-3 (ppb)	^{EM} HBAL _{1hr} (ppb)	60 min AEGI-1 (ppb)	60 min AEGI -2 (ppb)	60 min AEGI-3 (ppb)
Acetylene	74-86-2	75,000	--	--	--	50,000	--	--	--
Ammonia	7664-41-7	2,550	30,000	220,000	2,700,000	1,700	30,000	160,000	1,100,000
Benzene	71-43-2	500	130,000	2,000,000	9,700,000	360	52,000	800,000	4,000,000
1,3-Butadiene	106-99-0	2,500	670,000	6,700,000	27,000,000	3,400	670,000	5,300,000	22,000,000
Butane	106-97-8	276,000	10,000,000	24,000,000	77,000,000	184,000	5,500,000	17,000,000	53,000,000
1-Butene	106-98-9	81,000	--	--	--	54,000	--	--	--
C3-C4 Saturated	--	--	--	--	--	--	--	--	--
Chlorine	7782-50-5	200	500	2,800	50,000	140	500	2,000	20,000
Cyclohexane	110-82-7	3,000	--	--	--	2,000	--	--	--
Ethylbenzene	100-41-4	60,000	33,000	2,900,000	4,700,000	40,000	33,000	1,100,000	1,800,000
Ethylene Dichloride	107-06-2	1,000	--	--	--	1,080	--	--	--
Ethylene Glycol	107-21-1	5,700	--	--	--	3,800	--	--	--
Ethylene Oxide	75-21-8	2,500	NR	80,000	360,000	1,820	NR	45,000	200,000
Formaldehyde	50-00-0	132	900	14,000	100,000	88	900	14,000	56,000
n-Hexane	110-54-3	16,200	NR	4,000,000	12,000,000	10,800	NR	2,900,000	8,600,000

Chemical(s)	CAS No.	^{EM} HBAL _{10min} (ppb)	10 min AEGL-1 (ppb)	10 min AEGL -2 (ppb)	10 min AEGL-3 (ppb)	^{EM} HBAL _{1hr} (ppb)	60 min AEGL-1 (ppb)	60 min AEGL -2 (ppb)	60 min AEGL-3 (ppb)
Hydrochloric Acid	7647-01-0	1,000	1,800	100,000	620,000	880	1,800	22,000	100,000
Hydrogen Sulfide	7783-06-4	210	750	41,000	76,000	140	510	27,000	50,000
Isobutane	75-28-5	99,000	--	--	--	66,000	--	--	--
n-Octane	111-65-9	12,300	--	--	--	8,200	--	--	--
Propane	74-98-6	--	10,000,000	17,000,000	33,000,000	--	5,500,000	17,000,000	33,000,000
Propylene	115-07-1	--	--	--	--	--	--	--	--
Sodium Hydroxide	1310-73-2	15	--	--	--	10	--	--	--
Styrene	100-42-5	10,000	20,000	230,000	1,900,000	10,200	20,000	130,000	1,100,000
Sulfur Dioxide	7446-09-5	375 ^b	200	750	30,000	250	200	750	30,000
Sulfuric Acid	7664-93-9	90	50	2,170	67,310	60	50	2,170	39,890
Toluene	108-88-3	12,000	67,000	1,400,000	10,000,000	8,000	67,000	560,000	3,700,000
Vinyl Chloride	75-01-4	216,000	450,000	2,800,000	12,000,000	144,000	250,000	1,200,000	4,800,000
Xylenes + Ethylbenzene ^a	1330-20-7 + 100-41-4	15,000	130,000	2,500,000	7,200,000	10,000	130,000	920,000	2,500,000
Xylenes	1330-20-7, 106-42-3, 95-47-6	15,000	130,000	2,500,000	7,200,000	10,000	130,000	920,000	2,500,000

^a Based on xylenes; AEGL – acute exposure guideline level; ^b ½ STEL not used for sulfur dioxide because the basis of the STEL is the same as the HBAL_{10-min}; ^{EM}HBAL_{1hr} – 1-hour exposure mitigation health-based action level; ^{EM}HBAL_{10min} – 10-minute exposure mitigation health-based action level; NR – not recommended (see AEGL document); ppb – parts per billion; and “--”no value available.