

## Summary of Changes

Suburban Residential With Garden Scenario - Table 1				Recreator Scenario - Table 3	
	no multiplier	5x multiplier	100x multiplier		
				# same:	<b>4</b>
# unchanged:	<b>1</b>	<b>0</b>	<b>0</b>	# tightened:	<b>39</b>
# tightened:	<b>34</b>	<b>6</b>	<b>3</b>	# weakened:	<b>143</b>
# weakened:	<b>147</b>	<b>176</b>	<b>179</b>		
Suburban Residential With Garden Scenario (Combined) - Table 2				Eco-RBSLs (Low-to-High) - Table 4	
	no multiplier	5x multiplier	100x multiplier		
				# unchanged:	<b>1</b>
# unchanged:	<b>0</b>	<b>0</b>	<b>0</b>	# tightened:	<b>3</b>
# tightened:	<b>36</b>	<b>6</b>	<b>3</b>	# weakened:	<b>181</b>
# weakened:	<b>148</b>	<b>178</b>	<b>181</b>		

Table 1

**Comparison of the SSFL Suburban Residential Garden Risk-Based Screening Levels (RBSLs) and Cleanup Standards Required by 2007 Consent Order vs. Those in the 2022 CalEPA-Boeing Agreement**

Analyte	RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	2022 CalEPA-Boeing Agreement RBSL <sup>b</sup> (mg/kg)	Factor By Which RBSL Has Been Weakened	Factor by Which Cleanup Standard Has Been Weakened in Non-Biological Areas (5x Multiplier) <sup>c</sup>	Factor by Which Cleanup Standard Has Been Weakened in Biological Areas (100x Multiplier) <sup>d</sup>
<b>Inorganic Compounds</b>					
Aluminum	-	4.85E+03	-	-	-
Antimony	1.39E-01	4.43E-01	3	16	319
Arsenic	9.92E-05	1.34E-03	14	68	1,351
Barium	7.15E+01	2.76E+02	4	19	386
Beryllium	7.16E-01	8.79E-01	1.2	6	123
Boron	1.49E+01	1.39E+01	0.9	5	93
Cadmium	1.65E-03	5.08E-02	31	154	3,079
Cerium <sup>e</sup>	-	-	-	-	-
Chromium	5.42E+02	6.86E+03	13	63	1,266
Cobalt	9.97E-02	1.14E+00	11	57	1,143
Copper	1.11E+01	2.48E+01	2	11	223
Cyanides	2.78E-02	2.18E-03	0.1	0.4	8
Fluoride	-	9.87E+01	-	-	-
Hexavalent chromium	1.94E-03	3.91E-02	20	101	2,015
Lead	6.90E+00	6.90E+00	1	5	100
Lithium	7.06E-01	7.12E+00	10	50	1,008
Manganese	4.00E+01	2.22E+01	0.6	3	56
Mercury	5.04E-02	4.72E-02	0.9	5	94
Methyl Mercury	1.31E-03	1.01E-03	0.8	4	77
Molybdenum	1.38E+00	4.63E+00	3	17	336
Nickel	6.07E+00	2.71E+01	4	22	446
Selenium	1.31E+00	1.78E+01	14	68	1,359
Silver	1.81E+00	3.10E+00	2	9	171
Strontium	1.21E+02	6.61E+01	0.5	3	55
Thallium	3.60E-03	4.85E-02	13	67	1,347
Tin	1.01E+02	2.01E+03	20	100	1,990
Tungsten <sup>e</sup>	-	2.27E+00	-	-	-
Uranium <sup>e</sup>	-	9.00E-01	-	-	-
Vanadium	1.80E+00	2.38E+01	13	66	1,322
Zinc	5.38E+01	7.60E+01	1.4	7	141
Zirconium	2.89E-02	4.02E-01	14	70	1,391
<b>Energetic Constituents</b>					
1,1-Dimethylhydrazine <sup>f</sup>	2.48E-04	1.86E-04	0.8	4	75
1,2-Dinitrobenzene	8.82E-03	8.58E-03	0.97	5	97
1,3-Dinitrobenzene	7.18E-03	6.60E-03	0.9	5	92
2,4,6-Trinitrotoluene	7.26E-03	1.08E-02	1.5	7	149
2-Amino-4,6-dinitrotoluene	2.04E-01	1.04E-02	0.05	0.25	5
HMX	7.26E-01	5.64E-01	0.8	4	78
Hydrazine	6.67E-07	8.19E-07	1.2	6	123
Monomethylhydrazine <sup>f</sup>	1.47E-08	1.74E-08	1.2	6	118
Nitrobenzene <sup>e</sup>	-	2.12E-01	-	-	-
Nitroglycerin <sup>e</sup>	-	7.83E-03	-	-	-
RDX	8.67E-04	1.55E-03	2	9	179
Perchlorate	1.58E-02	1.26E-02	0.8	4	80
<b>Volatile Organic Compounds</b>					
1,1,1,2-Tetrachloroethane	2.36E-02	6.90E-02	3	15	292
1,1,1-Trichloroethane	3.50E+02	4.84E+02	1.4	7	138
1,1,2,2-Tetrachloroethane	1.64E-03	4.55E-03	3	14	277
1,1,2-Trichloro-1,2,2-trifluoroethane	7.56E+03	1.67E+04	2	11	221
1,1,2-Trichloroethane	4.03E-03	8.35E-03	2	10	207
1,1-Dichloroethane	4.63E-02	7.33E-02	2	8	158
1,1-Dichloroethene	6.64E+00	7.62E+00	1.1	6	115
1,2,3-Trichlorobenzene	2.40E-01	2.16E-01	0.9	5	90
1,2,4-Trichlorobenzene	2.39E-01	2.10E-01	0.9	4	88
1,2,4-Trimethylbenzene	2.93E+00	9.52E+00	3	16	325
1,2-Dibromo-3-chloropropane	8.91E-05	2.66E-04	3	15	299
1,2-Dibromoethane	8.60E-05	2.61E-04	3	15	303
1,2-Dichlorobenzene	2.50E+01	6.85E+01	3	14	274
1,2-Dichloroethane	4.07E-03	3.05E-03	0.7	4	75
1,2-Dichloroethene	1.16E+00	2.58E+00	2	11	222
1,2-Dichloropropane	8.76E-03	1.45E-02	2	8	166
1,3,5-Trimethylbenzene	2.77E+00	7.53E+00	3	14	272
1,3-Dichlorobenzene	8.57E+00	5.97E+01	7	35	697

**Comparison of the SSFL Suburban Residential Garden Risk-Based Screening Levels (RBSLs) and Cleanup Standards Required by 2007 Consent Order vs. Those in the 2022 CalEPA-Boeing Agreement**

Analyte	RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	2022 CalEPA-Boeing Agreement RBSL <sup>b</sup> (mg/kg)	Factor By Which RBSL Has Been Weakened	Factor by Which Cleanup Standard Has Been Weakened in Non-Biological Areas (5x Multiplier) <sup>c</sup>	Factor by Which Cleanup Standard Has Been Weakened in Biological Areas (100x Multiplier) <sup>d</sup>
1,4-Dichlorobenzene	1.40E-01	6.09E-01	4	22	435
1,4-Dioxane <sup>f</sup>	8.37E-04	2.72E-04	0.3	2	32
2-Chloroethylvinyl ether	5.45E-05	7.38E-05	1.4	7	135
2-Hexanone	3.18E-01	2.85E-01	0.9	4	90
Acetone	7.79E+00	5.96E+00	0.8	4	77
Benzene	3.60E-03	6.51E-03	2	9	181
Bromobenzene	1.87E+00	3.62E+00	2	10	194
Bromodichloromethane	2.47E-03	8.87E-03	4	18	359
Bromoform	4.05E-02	1.17E-01	3	14	289
Bromomethane	7.19E-02	6.21E-02	0.9	4	86
Carbon disulfide	1.12E+01	1.19E+01	1.1	5	106
Carbon tetrachloride	3.89E-03	2.27E-02	6	29	584
Chlorobenzene	4.34E+00	7.52E+00	2	9	173
Chloroform	1.01E-02	1.71E-02	2	8	169
Chloromethane	5.18E-02	4.29E-02	0.8	4	83
cis-1,2-Dichloroethene	2.09E-01	2.15E-01	1.03	5	103
Cumene	2.96E+01	9.83E+01	3	17	332
Dibenzofuran <sup>f</sup>	3.23E-01	1.57E+00	5	24	486
Dibromochloromethane	3.92E-03	8.05E-03	2	10	205
Dibromomethane	8.91E-01	-	-	-	-
Dichlorodifluoromethane	2.73E+01	3.17E+01	1.2	6	116
Ethylbenzene	6.17E-02	2.13E-01	3	17	345
Formaldehyde <sup>f</sup>	3.70E+00	2.95E-03	0.001	0.004	0.08
Hexachlorobutadiene <sup>f</sup>	1.20E-02	1.45E-01	12	60	1,208
Hexachlorocyclopentadiene <sup>e</sup>	-	1.86E+01	-	-	-
Methyl ethyl ketone	1.03E+01	8.05E+00	0.8	4	78
Methyl isobutyl ketone (MIBK)	4.70E+00	-	-	-	-
Methylene chloride	1.06E-02	1.03E-01	10	49	972
m-Xylene & p-Xylene	4.96E+01	1.11E+02	2	11	224
n-Butyl alcohol <sup>e</sup>	-	2.94E+00	-	-	-
n-Butylbenzene	1.67E+01	9.85E+01	6	29	590
N-Nitrosodimethylamine <sup>f</sup>	9.49E-07	3.57E-07	0.4	2	38
n-Propylbenzene	2.98E+01	1.02E+02	3	17	342
o-Chlorotoluene	5.53E+00	1.51E+01	3	14	273
o-Xylene	4.96E+01	1.06E+02	2	11	214
p-Chlorotoluene	5.37E+00	1.36E+01	3	13	253
p-Cymene	3.22E+01	1.54E+02	5	24	478
sec-Butylbenzene	3.39E+01	2.29E+02	7	34	676
Styrene	4.59E+01	8.61E+01	2	9	188
tert-Butylbenzene	3.22E+01	1.55E+02	5	24	481
Tetrachloroethene	1.38E-03	5.81E-03	4	21	421
Tetralin	5.31E+00	2.33E-02	0.004	0.02	0.44
Toluene	1.63E+01	2.62E+01	2	8	161
trans-1,2-Dichloroethene	2.57E+00	2.90E+00	1.1	6	113
Trichloroethene	9.81E-03	2.06E-02	2	10	210
Trichlorofluoromethane	5.40E+01	7.65E+01	1.4	7	142
Vinyl chloride	8.23E-04	3.38E-04	0.41	2	41
Xylenes, Total	4.96E+01	1.11E+02	2	11	224
<b>Semi-Volatile Organic Compounds</b>					
2,4,5-Trichlorophenol	3.00E+01	1.05E+02	4	18	350
2,4,6-Trichlorophenol	1.15E-02	6.19E-02	5	27	538
2,4-Dimethylphenol	3.05E+00	3.80E+00	1.2	6	125
3,5-Dimethylphenol	1.37E+00	2.03E+00	1.5	7	148
4,6-Dinitro-o-cresol <sup>e</sup>	-	1.22E-02	-	-	-
Aniline <sup>e</sup>	-	2.26E-02	-	-	-
Benzidine <sup>e</sup>	-	4.62E-07	-	-	-
Benzoic acid	4.21E+02	4.35E+02	1.03	5	103
Benzyl alcohol	4.63E+00	3.94E+00	0.9	4	85
bis(2-Ethylhexyl) phthalate	3.26E-01	1.55E+00	5	24	475
Butyl benzyl phthalate	4.89E-01	5.77E+00	12	59	1,180
Carbazole	4.06E-02	-	-	-	-
Diethyl phthalate	1.33E+02	1.77E+02	1.3	7	133
Dimethyl phthalate	6.44E+01	6.10E+01	0.9	5	95
Di-n-butyl phthalate	3.37E+01	2.17E+02	6	32	644

**Comparison of the SSFL Suburban Residential Garden Risk-Based Screening Levels (RBSLs) and Cleanup Standards Required by 2007 Consent Order vs. Those in the 2022 CalEPA-Boeing Agreement**

Analyte	RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	2022 CalEPA-Boeing Agreement RBSL <sup>b</sup> (mg/kg)	Factor By Which RBSL Has Been Weakened	Factor by Which Cleanup Standard Has Been Weakened in Non-Biological Areas (5x Multiplier) <sup>c</sup>	Factor by Which Cleanup Standard Has Been Weakened in Biological Areas (100x Multiplier) <sup>d</sup>
Di-n-octyl phthalate	3.61E+00	5.15E+01	14	71	1,427
m-Cresol	5.72E+00	6.11E+00	1.1	5	107
N-Nitrosodiphenylamine	7.48E-02	4.67E-01	6	31	624
o-Cresol	5.67E+00	6.03E+00	1.1	5	106
p-Chloro-m-cresol	2.46E+01	5.17E+01	2	11	210
p-Cresol	1.12E+01	2.38E+00	0.21	1.1	21
p-Nitroaniline <sup>f</sup>	8.72E-03	1.23E-02	1.4	7	141
Pentachlorophenol	5.27E-02	3.45E-02	0.7	3	65
Phenol	2.07E+01	1.90E+01	0.9	5	92
Tetrachlorophenol <sup>e</sup>	-	6.26E+01	-	-	-
<b>Polynuclear Aromatic Hydrocarbons</b>					
1-Methyl naphthalene	2.89E-02	1.81E-01	6	31	626
2-Methylnaphthalene	1.24E+00	4.86E+00	4	20	392
Acenaphthene	1.87E+01	7.74E+01	4	21	414
Acenaphthylene	1.88E+01	7.90E+01	4	21	420
Anthracene	1.01E+02	6.26E+02	6	31	620
Benzo(a)anthracene	8.05E-04	1.76E-01	219	1,093	21,863
Benzo(a)pyrene	8.09E-05	1.92E-02	237	1,187	23,733
Benzo(b)fluoranthene	8.05E-04	1.77E-01	220	1,099	21,988
Benzo(e)pyrene	1.08E+01	4.24E-01	0.04	0.2	4
Benzo(ghi)perylene	1.08E+01	1.45E+02	13	67	1,343
Benzo(k)fluoranthene	8.09E-04	1.91E+00	2,361	11,805	236,094
Chrysene	8.06E-03	1.79E+01	2,221	11,104	222,084
Dibenzo(a,h)anthracene	2.38E-04	5.07E-03	21	107	2,130
Fluoranthene	1.40E+01	1.32E+02	9	47	943
Fluorene	1.30E+01	6.62E+01	5	25	509
Indeno(1,2,3-cd)pyrene	8.13E-04	2.07E-01	255	1,273	25,461
Naphthalene	5.31E+00	2.33E-02	0.004	0.02	0.4
Perylene	1.08E+01	1.38E+02	13	64	1,278
Phenanthrene	1.01E+02	6.31E+02	6	31	625
Pyrene	1.04E+01	8.48E+01	8	41	815
<b>Pesticides</b>					
4,4'-DDD	4.04E-03	7.83E-02	19	97	1,938
4,4'-DDE	2.87E-03	5.97E-02	21	104	2,080
4,4'-DDT	2.87E-03	6.19E-02	22	108	2,157
Aldrin	5.73E-05	1.19E-03	21	104	2,077
alpha-BHC	3.06E-04	7.73E-04	3	13	253
beta-BHC	5.48E-04	2.65E-03	5	24	484
delta-BHC	4.87E-04	2.22E-03	5	23	456
Chlordane (Technical)	2.78E-03	5.51E-02	20	99	1,982
Dieldrin	5.99E-05	9.78E-04	16	82	1,633
Endosulfan I	1.84E+00	7.06E+00	4	19	384
Endosulfan II	1.84E+00	7.06E+00	4	19	384
Endosulfan sulfate	1.77E+00	5.90E+00	3	17	333
Endrin	1.05E-01	1.01E+00	10	48	962
Endrin aldehyde	1.03E-01	8.07E-01	8	39	783
Endrin ketone	1.05E-01	9.05E-01	9	43	862
gamma-BHC	7.38E-04	4.07E-03	6	28	551
Heptachlor	2.37E-04	4.24E-03	18	89	1,789
Heptachlor epoxide	1.71E-04	1.41E-03	8	41	825
Mirex	5.42E-05	1.17E-03	22	108	2,159
p,p'-Methoxychlor	1.75E+00	1.58E+01	9	45	903
Toxaphene	8.05E-04	1.52E-02	19	94	1,888
<b>Herbicides</b>					
2,4,5-T	2.67E+00	6.63E+00	2	12	248
2,4,5-TP (Silvex)	2.44E+00	9.13E+00	4	19	374
2,4-Dichlorophenoxyacetic Acid (2,4-D)	2.13E+00	3.62E+00	2	8	170
2,4-Dichlorophenoxybutyric acid	2.29E+00	2.56E+01	11	56	1,118
Dalapon	2.62E+00	7.73E-01	0.3	1.5	30
Dicamba	4.26E+00	5.07E+00	1.2	6	119
2,4-DP (Dichlorprop)	2.77E+00	7.61E+00	3	14	275
Dinoseb	2.88E-01	8.81E-01	3	15	306
MCPA	1.31E-01	3.09E-01	2	12	236
MCPP	2.49E-01	5.36E-01	2	11	215

**Comparison of the SSFL Suburban Residential Garden Risk-Based Screening Levels (RBSLs) and Cleanup Standards Required by 2007 Consent Order vs. Those in the 2022 CalEPA-Boeing Agreement**

Analyte	RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	2022 CalEPA-Boeing Agreement RBSL <sup>b</sup> (mg/kg)	Factor By Which RBSL Has Been Weakened	Factor by Which Cleanup Standard Has Been Weakened in Non-Biological Areas (5x Multiplier) <sup>c</sup>	Factor by Which Cleanup Standard Has Been Weakened in Biological Areas (100x Multiplier) <sup>d</sup>
<b>Terphenyls</b>					
m-Terphenyl	1.07E-01	7.53E-01	7	35	704
o-Terphenyl	1.07E-01	7.53E-01	7	35	704
p-Terphenyl	1.07E-01	7.53E-01	7	35	704
<b>Glycols</b>					
Diethylene Glycol	1.71E-01	1.28E-01	0.7	4	75
Ethylene glycol <sup>e</sup>	-	1.19E+00	-	-	-
Triethylene glycol	5.29E-02	1.76E+00	33	166	3,327
<b>PCDD/PCDFs</b>					
2,3,7,8-TCDD TEQ	7.51E-09	1.61E-07	21	107	2,144
<b>Polychlorinated Biphenyls (PCBs)</b>					
Aroclor 1016	1.38E-02	2.47E-01	18	89	1,790
Aroclor 1242	4.86E-04	9.93E-03	20	102	2,043
Aroclor 1248	4.86E-04	9.71E-03	20	100	1,998
Aroclor 1254	4.88E-04	1.01E-02	21	103	2,070
Aroclor 1260	4.89E-04	1.09E-02	22	111	2,229
Aroclor 1262 <sup>e</sup>	-	1.01E-02	-	-	-
Aroclor 1268 <sup>e</sup>	-	1.01E-02	-	-	-
Aroclor 5460	4.86E-04	9.93E-03	20	102	2,043
PCB TEQ	7.50E-09	1.58E-07	21	105	2,107
<b>Total Petroleum Hydrocarbons<sup>e</sup></b>					
TPH-Gasoline Range Organics (GRO)	-	1.01E+02	-	-	-
TPH-Gasoline Range Organics (GRO) - Aliphatic	-	5.06E+01	-	-	-
TPH-Gasoline Range Organics (GRO) - Aromatic	-	-	-	-	-
TPH-Diesel Range Organics (DRO)	-	5.06E+01	-	-	-
TPH-Diesel Range Organics (DRO) - Aliphatic	-	4.00E+02	-	-	-
TPH-Diesel Range Organics (DRO) - Aromatic	-	2.70E+01	-	-	-
TPH-Oil Range Organics (ORO)	-	1.96E+02	-	-	-
TPH-Oil Range Organics (ORO) - Aliphatic	-	8.94E+03	-	-	-
TPH-Oil Range Organics (ORO) - Aromatic	-	9.89E+01	-	-	-

<sup>a</sup> From 2014 SRAM Final Revision 2 Addendum, Human Health Table pdf pp. 1071-1073

<sup>b</sup> From 2022 SSFL DTSC-Boeing Agreement, Attachment 3 Exhibit 5, pdf pp. 132-137

<sup>c</sup> See 2022 SSFL DTSC-Boeing Agreement, pdf pp. 192, 194-196

<sup>d</sup> See 2022 SSFL DTSC-Boeing Agreement, pdf p. 200, Exhibit 11

<sup>e</sup> Analyte not included in 2014 SRAM, but included in CalEPA-Boeing Agreement

<sup>f</sup> Analyte listed in different order in 2014 SRAM

Notes:

• The "E" in the data stands for exponent. For example, 9.89E+02 is 9.89 x 10<sup>2</sup>, or 989. 3.45E-01 is 3.45 x 10<sup>-1</sup>, or 0.345.

• As the table indicates, for the great majority of the contaminants, the RBSLs and cleanup standards have been weakened in the new agreement. All factors identified in columns D, E, and F greater than 1 indicate that the new Agreement values are less stringent than the previous ones. For a few chemicals, there has been a tightening, represented by numbers that are less than 1 (e.g. 0.9).

Table 2

**Comparison of Combined Resident with Garden Risk-Based Screening Levels (RBSLs) and Cleanup Standards Pursuant to the 2007 Consent Order vs. Those in the 2022 CalEPA-Boeing Agreement**

Analyte	Combined Resident w/ Garden RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	Combined Resident w/ Garden 2022 CalEPA-Boeing Agreement RBSL <sup>b</sup> (mg/kg)	Factor By Which Cleanup Standard Has Been Weakened	Factor By Which Cleanup Standard Has Been Weakened in Non-Biological Areas (5x Multiplier) <sup>c</sup>	Factor by Which Cleanup Standard Has Been Weakened in Biological Areas (100x Multiplier) <sup>d</sup>
<b>Inorganic Compounds</b>					
Aluminum	-	4.56E+03	-	-	-
Antimony	1.38E-01	4.36E-01	3	16	316
Arsenic	9.91E-05	1.32E-03	13	67	1,332
Barium	7.10E+01	2.70E+02	4	19	380
Beryllium	7.00E-01	8.31E-01	1.2	6	119
Boron	1.49E+01	1.39E+01	0.9	5	93
Cadmium	1.65E-03	5.04E-02	31	153	3,055
Cerium <sup>e</sup>	-	1.28E+06	-	-	-
Chromium	5.34E+02	5.89E+03	11	55	1,103
Cobalt	9.93E-02	1.09E+00	11	55	1,098
Copper	1.11E+01	2.46E+01	2	11	222
Cyanides	2.78E-02	2.18E-03	0.08	0.39	8
Fluoride	-	9.56E+01	-	-	-
Hexavalent chromium	1.94E-03	3.45E-02	18	89	1,778
Lead	6.35E+00	6.30E+00	0.99	5	99
Lithium	7.03E-01	6.80E+00	10	48	967
Manganese	3.97E+01	2.18E+01	0.5	3	55
Mercury	5.02E-02	4.50E-02	0.9	4	90
Methyl Mercury	1.31E-03	1.01E-03	0.8	4	77
Molybdenum	1.38E+00	4.57E+00	3	17	331
Nickel	6.03E+00	2.58E+01	4	21	428
Selenium	1.31E+00	1.70E+01	13	65	1,298
Silver	1.80E+00	3.06E+00	2	9	170
Strontium	1.21E+02	6.60E+01	0.5	3	55
Thallium	3.58E-03	4.56E-02	13	64	1,274
Tin	1.01E+02	1.93E+03	19	96	1,911
Tungsten <sup>e</sup>	-	2.19E+00	-	-	-
Uranium <sup>e</sup>	-	8.50E-01	-	-	-
Vanadium	1.78E+00	2.13E+01	12	60	1,197
Zinc	5.37E+01	7.57E+01	1.4	7	141
Zirconium	2.88E-02	3.77E-01	13	65	1,309
<b>Energetic Constituents</b>					
1,1-Dimethylhydrazine <sup>f</sup>	2.48E-04	1.85E-04	0.7	4	75
1,2-Dinitrobenzene	8.81E-03	8.57E-03	0.97	5	97
1,3-Dinitrobenzene	7.17E-03	6.59E-03	0.9	5	92
2,4,6-Trinitrotoluene	7.26E-03	1.08E-02	1.5	7	149
2-Amino-4,6-dinitrotoluene	2.04E-01	1.04E-02	0.05	0.25	5
HMX	7.26E-01	5.64E-01	0.8	4	78
Hydrazine	6.67E-07	8.19E-07	1.2	6	123
Monomethylhydrazine <sup>f</sup>	1.47E-08	1.74E-08	1.2	6	118
Nitrobenzene <sup>e</sup>	-	2.12E-01	-	-	-
Nitroglycerin <sup>e</sup>	-	7.82E-03	-	-	-
RDX	8.67E-04	1.55E-03	2	9	179
Perchlorate	1.58E-02	1.26E-02	0.8	4	80
<b>Volatile Organic Compounds</b>					
1,1,1,2-Tetrachloroethane	2.34E-02	6.67E-02	3	14	285
1,1,1-Trichloroethane	3.30E+02	3.77E+02	1.1	6	114
1,1,2,2-Tetrachloroethane	1.63E-03	4.52E-03	3	14	277
1,1,2-Trichloro-1,2,2-trifluoroethane	5.99E+03	4.78E+03	0.8	4	80
1,1,2-Trichloroethane	4.00E-03	8.29E-03	2	10	207
1,1-Dichloroethane	4.52E-02	7.18E-02	2	8	159
1,1-Dichloroethene	5.93E+00	6.98E+00	1.2	6	118
1,2,3-Trichlorobenzene	2.39E-01	2.10E-01	0.9	4	88
1,2,4-Trichlorobenzene	2.37E-01	2.04E-01	0.9	4	86
1,2,4-Trimethylbenzene	2.73E+00	9.23E+00	3	17	338
1,2-Dibromo-3-chloropropane	8.90E-05	2.51E-04	3	14	282
1,2-Dibromoethane	8.59E-05	2.59E-04	3	15	302
1,2-Dichlorobenzene	2.46E+01	6.60E+01	3	13	268
1,2-Dichloroethane	4.01E-03	3.03E-03	0.8	4	76
1,2-Dichloroethene	1.15E+00	2.51E+00	2	11	218
1,2-Dichloropropane	8.59E-03	1.44E-02	2	8	168
1,3,5-Trimethylbenzene	2.73E+00	7.33E+00	3	13	268
1,3-Dichlorobenzene	8.49E+00	5.86E+01	7	35	690
1,4-Dichlorobenzene	1.27E-01	4.94E-01	4	19	389
1,4-Dioxane <sup>f</sup>	8.37E-04	2.72E-04	0.3	2	32
2-Chloroethylvinyl ether	5.38E-05	7.29E-05	1.4	7	136
2-Hexanone	3.17E-01	2.85E-01	0.9	4	90

Analyte	Combined Resident w/ Garden RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	Combined Resident w/ Garden 2022 CalEPA-Boeing Agreement RBSL <sup>b</sup> (mg/kg)	Factor By Which Cleanup Standard Has Been Weakened	Factor By Which Cleanup Standard Has Been Weakened in Non-Biological Areas (5x Multiplier) <sup>c</sup>	Factor by Which Cleanup Standard Has Been Weakened in Biological Areas (100x Multiplier) <sup>d</sup>
Acetone	7.79E+00	5.96E+00	0.8	4	77
Benzene	3.49E-03	6.38E-03	2	9	183
Bromobenzene	1.86E+00	3.57E+00	2	10	192
Bromodichloromethane	2.44E-03	8.61E-03	4	18	353
Bromoform	4.05E-02	1.16E-01	3	14	286
Bromomethane	7.09E-02	6.15E-02	0.9	4	87
Carbon disulfide	1.10E+01	1.17E+01	1.1	5	106
Carbon tetrachloride	3.69E-03	2.19E-02	6	30	593
Chlorobenzene	4.20E+00	7.32E+00	2	9	174
Chloroform	9.96E-03	1.62E-02	2	8	163
Chloromethane	5.17E-02	4.29E-02	0.83	4	83
cis-1,2-Dichloroethene	2.04E-01	2.13E-01	1.04	5	104
Cumene	2.90E+01	9.36E+01	3	16	323
Dibenzofuran <sup>f</sup>	3.21E-01	1.54E+00	5	24	480
Dibromochloromethane	3.92E-03	7.98E-03	2	10	204
Dibromomethane	8.57E-01	2.35E+01	27	137	2,742
Dichlorodifluoromethane	1.93E+01	2.32E+01	1.2	6	120
Ethylbenzene	6.01E-02	2.05E-01	3	17	341
Formaldehyde <sup>f</sup>	3.70E+00	2.95E-03	0.0008	0.004	0.08
Hexachlorobutadiene <sup>f</sup>	1.20E-02	1.29E-01	11	54	1,075
Hexachlorocyclopentadiene <sup>e</sup>	-	1.62E+00	-	-	-
Methyl ethyl ketone	1.03E+01	8.05E+00	0.8	4	78
Methyl isobutyl ketone (MIBK)	4.70E+00	3.31E+04	7,043	35,213	704,255
Methylene chloride	1.06E-02	9.83E-02	9	46	927
m-Xylene & p-Xylene	4.44E+01	9.31E+01	2	10	210
n-Butyl alcohol <sup>e</sup>	-	2.94E+00	-	-	-
n-Butylbenzene	1.64E+01	9.09E+01	6	28	554
N-Nitrosodimethylamine <sup>f</sup>	9.49E-07	3.57E-07	0.38	2	38
n-Propylbenzene	2.95E+01	9.93E+01	3	17	337
o-Chlorotoluene	5.44E+00	1.46E+01	3	13	268
o-Xylene	4.23E+01	9.11E+01	2	11	215
p-Chlorotoluene	5.28E+00	1.32E+01	3	13	250
p-Cymene	3.17E+01	1.45E+02	5	23	457
sec-Butylbenzene	3.32E+01	2.07E+02	6	31	623
Styrene	4.57E+01	8.48E+01	2	9	186
tert-Butylbenzene	3.16E+01	1.45E+02	5	23	459
Tetrachloroethene	1.38E-03	5.75E-03	4	21	417
Tetralin	3.24E+00	2.29E-02	0.007	0.035	1
Toluene	1.62E+01	2.56E+01	2	8	158
trans-1,2-Dichloroethene	2.49E+00	2.78E+00	1.1	6	112
Trichloroethene	9.69E-03	2.02E-02	2	10	208
Trichlorofluoromethane	4.90E+01	7.20E+01	1.5	7	147
Vinyl chloride	7.91E-04	3.25E-04	0.4	2	41
Xylenes, Total	4.44E+01	9.31E+01	2	10	210
<b>Semi-Volatile Organic Compounds</b>					
2,4,5-Trichlorophenol	2.99E+01	1.03E+02	3	17	344
2,4,6-Trichlorophenol	1.15E-02	6.14E-02	5	27	534
2,4-Dimethylphenol	3.04E+00	3.79E+00	1.2	6	125
3,5-Dimethylphenol	1.37E+00	2.02E+00	1.5	7	147
4,6-Dinitro-o-cresol <sup>e</sup>	-	1.22E-02	-	-	-
Aniline <sup>e</sup>	-	2.26E-02	-	-	-
Benzidine <sup>e</sup>	-	4.61E-07	-	-	-
Benzoic acid	4.20E+02	4.34E+02	1.03	5	103
Benzyl alcohol	4.63E+00	3.94E+00	0.9	4	85
bis(2-Ethylhexyl) phthalate	3.25E-01	1.49E+00	5	23	458
Butyl benzyl phthalate	4.88E-01	5.66E+00	12	58	1,160
Carbazole	4.05E-02	-	-	-	-
Diethyl phthalate	1.33E+02	1.76E+02	1.3	7	132
Dimethyl phthalate	6.43E+01	6.09E+01	0.9	5	95
Di-n-butyl phthalate	3.35E+01	2.10E+02	6	31	627
Di-n-octyl phthalate	3.59E+00	4.76E+01	13	66	1,326
m-Cresol	5.71E+00	6.10E+00	1.1	5	107
N-Nitrosodiphenylamine	7.47E-02	4.65E-01	6	31	622
o-Cresol	5.66E+00	6.02E+00	1.1	5	106
p-Chloro-m-cresol	2.45E+01	5.13E+01	2	10	209
p-Cresol	1.12E+01	2.38E+00	0.2	1.1	21
p-Nitroaniline <sup>f</sup>	8.72E-03	1.23E-02	1.4	7	141
Pentachlorophenol	5.26E-02	3.34E-02	0.6	3	63

Analyte	Combined Resident w/ Garden RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	Combined Resident w/ Garden 2022 CalEPA-Boeing Agreement RBSL <sup>b</sup> (mg/kg)	Factor By Which Cleanup Standard Has Been Weakened	Factor By Which Cleanup Standard Has Been Weakened in Non- Biological Areas (5x Multiplier) <sup>c</sup>	Factor by Which Cleanup Standard Has Been Weakened in Biological Areas (100x Multiplier) <sup>d</sup>
Phenol	2.07E+01	1.90E+01	0.9	5	92
Tetrachlorophenol <sup>e</sup>	-	6.06E+01	-	-	-
<b>Polynuclear Aromatic Hydrocarbons</b>					
1-Methyl naphthalene	2.88E-02	1.78E-01	6	31	618
2-Methylnaphthalene	1.23E+00	4.74E+00	4	19	385
Acenaphthene	1.86E+01	7.55E+01	4	20	406
Acenaphthylene	1.87E+01	7.71E+01	4	21	412
Anthracene	1.00E+02	6.04E+02	6	30	604
Benzo(a)anthracene	8.03E-04	1.51E-01	188	940	18,804
Benzo(a)pyrene	8.07E-05	1.64E-02	203	1,016	20,322
Benzo(b)fluoranthene	8.03E-04	1.53E-01	191	953	19,054
Benzo(e)pyrene	1.07E+01	3.92E-01	0.037	0.18	4
Benzo(ghi)perylene	1.07E+01	1.34E+02	13	63	1,252
Benzo(k)fluoranthene	8.07E-04	1.63E+00	2,020	10,099	201,983
Chrysene	8.04E-03	1.54E+01	1,915	9,577	191,542
Dibenzo(a,h)anthracene	2.37E-04	4.27E-03	18	90	1,802
Fluoranthene	1.39E+01	1.25E+02	9	45	899
Fluorene	1.29E+01	6.43E+01	5	25	498
Indeno(1,2,3-cd)pyrene	8.11E-04	1.74E-01	215	1,073	21,455
Naphthalene	3.89E+00	2.30E-02	0.006	0.03	1
Perylene	1.07E+01	1.28E+02	12	60	1,196
Phenanthrene	1.00E+02	6.08E+02	6	30	608
Pyrene	1.03E+01	8.08E+01	8	39	784
<b>Pesticides</b>					
4,4'-DDD	4.03E-03	7.60E-02	19	94	1,886
4,4'-DDE	2.87E-03	5.77E-02	20	101	2,010
4,4'-DDT	2.87E-03	5.98E-02	21	104	2,084
Aldrin	5.72E-05	1.15E-03	20	101	2,010
alpha-BHC	3.06E-04	7.67E-04	3	13	251
beta-BHC	5.47E-04	2.63E-03	5	24	481
delta-BHC	4.86E-04	2.20E-03	5	23	453
Chlordane (Technical)	2.78E-03	5.33E-02	19	96	1,917
Dieldrin	5.98E-05	9.54E-04	16	80	1,595
Endosulfan I	1.83E+00	6.94E+00	4	19	379
Endosulfan II	1.83E+00	6.94E+00	4	19	379
Endosulfan sulfate	1.76E+00	5.82E+00	3	17	331
Endrin	1.04E-01	9.64E-01	9	46	927
Endrin aldehyde	1.02E-01	7.77E-01	8	38	762
Endrin ketone	1.04E-01	8.68E-01	8	42	835
gamma-BHC	7.37E-04	4.04E-03	5	27	548
Heptachlor	2.37E-04	4.10E-03	17	86	1,730
Heptachlor epoxide	1.71E-04	1.38E-03	8	40	807
Mirex	5.41E-05	1.13E-03	21	104	2,089
p,p'-Methoxychlor	1.74E+00	1.51E+01	9	43	868
Toxaphene	8.04E-04	1.48E-02	18	92	1,841
<b>Herbicides</b>					
2,4,5-T	2.66E+00	6.57E+00	2	12	247
2,4,5-TP (Silvex)	2.43E+00	8.98E+00	4	18	370
2,4-Dichlorophenoxyacetic Acid (2,4-D)	2.12E+00	3.60E+00	2	8	170
2,4-Dichlorophenoxybutyric acid	2.28E+00	2.53E+01	11	55	1,110
Dalapon	2.62E+00	7.73E-01	0.3	1.5	30
Dicamba	4.25E+00	5.06E+00	1.2	6	119
2,4-DP (Dichlorprop)	2.76E+00	7.53E+00	3	14	273
Dinoseb	2.87E-01	8.70E-01	3	15	303
MCPA	1.31E-01	3.06E-01	2	12	234
MCPP	2.48E-01	5.32E-01	2	11	215
<b>Terphenyls</b>					
m-Terphenyl	1.07E-01	7.46E-01	7	35	697
o-Terphenyl	1.07E-01	7.46E-01	7	35	697
p-Terphenyl	1.07E-01	7.46E-01	7	35	697
<b>Glycols</b>					
Diethylene Glycol	1.71E-01	1.28E-01	0.75	4	75
Ethylene glycol <sup>e</sup>	-	1.19E+00	-	-	-
Triethylene glycol	5.29E-02	1.76E+00	33	166	3,327
<b>PCDD/PCDFs</b>					
2,3,7,8-TCDD TEQ	7.50E-09	1.56E-07	21	104	2,080
<b>Polychlorinated Biphenyls (PCBs)</b>					
Aroclor 1016	1.38E-02	2.38E-01	17	86	1,725



Analyte	Combined Resident w/ Garden RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	Combined Resident w/ Garden 2022 CalEPA-Boeing Agreement RBSL <sup>b</sup> (mg/kg)	Factor By Which Cleanup Standard Has Been Weakened	Factor By Which Cleanup Standard Has Been Weakened in Non-Biological Areas (5x Multiplier) <sup>c</sup>	Factor by Which Cleanup Standard Has Been Weakened in Biological Areas (100x Multiplier) <sup>d</sup>
Aroclor 1242	4.85E-04	9.51E-03	20	98	1,961
Aroclor 1248	4.85E-04	9.30E-03	19	96	1,918
Aroclor 1254	4.87E-04	9.68E-03	20	99	1,988
Aroclor 1260	4.88E-04	1.04E-02	21	107	2,131
Aroclor 1262 <sup>e</sup>	-	9.68E-03	-	-	-
Aroclor 1268 <sup>e</sup>	-	9.68E-03	-	-	-
Aroclor 5460	4.85E-04	9.53E-03	20	98	1,965
PCB TEQ	7.48E-09	1.52E-07	20	102	2,032
<b>Total Petroleum Hydrocarbons<sup>e</sup></b>					
TPH-Gasoline Range Organics (GRO)	-	9.20E+01	-	-	-
TPH-Gasoline Range Organics (GRO) - Aliphatic	-	4.60E+01	-	-	-
TPH-Gasoline Range Organics (GRO) - Aromatic	-	-	-	-	-
TPH-Diesel Range Organics (DRO)	-	4.43E+01	-	-	-
TPH-Diesel Range Organics (DRO) - Aliphatic	-	1.39E+02	-	-	-
TPH-Diesel Range Organics (DRO) - Aromatic	-	2.63E+01	-	-	-
TPH-Oil Range Organics (ORO)	-	1.85E+02	-	-	-
TPH-Oil Range Organics (ORO) - Aliphatic	-	8.46E+03	-	-	-
TPH-Oil Range Organics (ORO) - Aromatic	-	9.36E+01	-	-	-

<sup>a</sup> From 2014 SRAM Final Revision 2 Addendum, Human Health Table pdf pp. 1071-1073

<sup>b</sup> From 2022 SSFL DTSC-Boeing Agreement, Attachment 3 Exhibit 5, pdf pp. 132-137

<sup>c</sup> See 2022 SSFL DTSC-Boeing Agreement, pdf pp. 192, 194-196

<sup>d</sup> See 2022 SSFL DTSC-Boeing Agreement, pdf p. 200, Exhibit 11

<sup>e</sup> Analyte not included in 2014 SRAM, but included in agreement

<sup>f</sup> Analyte listed in different order in 2014 SRAM

Note:

• The "E" in the data stands for exponent. For example, 9.89E+02 is  $9.89 \times 10^2$ , or 989. 3.45E-01 is  $3.45 \times 10^{-1}$ , or 0.345.

• As the table indicates, for the great majority of the contaminants, the RBSLs and cleanup standards have been weakened in the new agreement. All factors identified in columns D, E, and F greater than 1 indicate that the new Agreement values are less stringent than the previous ones. For a few chemicals, there has been a tightening, represented by numbers that are less than 1 (e.g. 0.9).

**Table 3**

**Comparison of Recreator Risk-Based Screening Levels (RBSLs)  
Pursuant to the 2007 Consent Order vs. Those in the 2022 CalEPA-Boeing Agreement**

<b>Analyte</b>	<b>Recreator RBSL Pursuant to 2007 Consent Order<sup>a</sup> (mg/kg)</b>	<b>CalEPA-Boeing Agreement Recreator RBSL<sup>b</sup> (mg/kg)</b>	<b>Factor By Which Standard Has Been Weakened</b>
<b>Inorganic Compounds</b>			
Aluminum	3.54E+05	3.55E+05	1.003
Antimony	1.23E+02	1.26E+02	1.02
Arsenic	2.46E-01	4.99E-01	2.03
Barium	5.19E+04	5.42E+04	1.04
Beryllium	1.46E+02	7.13E+01	0.5
Boron	7.10E+04	7.13E+04	1.004
Cadmium	9.06E+00	3.33E+01	4
Cerium <sup>c</sup>	-	1.79E+07	-
Chromium	1.74E+05	1.94E+05	1.1
Cobalt	1.06E+02	1.07E+02	1.01
Copper	1.42E+04	1.43E+04	1.01
Cyanides	2.13E+02	1.59E+02	0.75
Fluoride	1.42E+04	1.43E+04	1.01
Hexavalent chromium	6.27E+00	1.41E+00	0.22
Lead	3.60E+02	3.60E+02	1
Lithium	7.10E+02	7.13E+02	1.004
Manganese	2.96E+04	5.47E+03	0.2
Mercury	7.82E+01	1.13E+01	0.1
Methyl Mercury	3.55E+01	3.57E+01	1.01
Molybdenum	1.78E+03	1.78E+03	1
Nickel	4.28E+03	2.50E+03	0.6
Selenium	1.78E+03	1.78E+03	1
Silver	1.07E+03	1.15E+03	1.1
Strontium	2.13E+05	2.14E+05	1.005
Thallium	3.55E+00	3.57E+00	1.01
Tin	2.13E+05	2.14E+05	1.005
Tungsten <sup>c</sup>	-	2.85E+02	-
Uranium <sup>c</sup>	-	7.13E+01	-
Vanadium	8.78E+02	9.61E+02	1.1
Zinc	1.07E+05	1.07E+05	1
Zirconium	2.84E+01	2.85E+01	1.004
<b>Energetic Constituents</b>			
1,1-Dimethylhydrazine <sup>d</sup>	3.65E+01	7.90E-01	0.02
1,2-Dinitrobenzene	2.85E+01	2.95E+01	1.04
1,3-Dinitrobenzene	2.85E+01	2.95E+01	1.04
2,4,6-Trinitrotoluene	7.65E+01	9.92E+01	1.3
2-Amino-4,6-dinitrotoluene	7.18E+02	3.60E+01	0.1
HMX	1.79E+04	1.80E+04	1.01
Hydrazine	4.79E-01	3.53E-01	0.7
Monomethylhydrazine <sup>d</sup>	5.81E-03	5.88E-03	1.01
Nitrobenzene <sup>c</sup>	-	7.20E+01	-
Nitroglycerin <sup>c</sup>	-	2.95E+01	-
RDX	2.45E+01	3.89E+01	2
Perchlorate	2.49E+02	2.50E+02	1.004
<b>Volatile Organic Compounds</b>			
1,1,1,2-Tetrachloroethane	3.29E+01	2.43E+01	0.7
1,1,1-Trichloroethane	7.49E+04	2.33E+04	0.3
1,1,2,2-Tetrachloroethane	3.29E+00	6.28E+00	2
1,1,2-Trichloro-1,2,2-trifluoroethane	3.94E+05	9.31E+04	0.2
1,1,2-Trichloroethane	6.71E+00	1.35E+01	2
1,1-Dichloroethane	2.57E+01	4.70E+01	2
1,1-Dichloroethene	7.59E+02	1.11E+03	1.5
1,2,3-Trichlorobenzene	2.43E+02	6.80E+01	0.3
1,2,4-Trichlorobenzene	3.26E+02	6.60E+01	0.2

Analyte	Recreator RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	CalEPA-Boeing Agreement Recreator RBSL <sup>b</sup> (mg/kg)	Factor By Which Standard Has Been Weakened
1,2,4-Trimethylbenzene	5.05E+02	2.39E+03	5
1,2-Dibromo-3-chloropropane	4.56E-01	4.35E-02	0.1
1,2-Dibromoethane	6.96E-01	4.20E-01	0.6
1,2-Dichlorobenzene	1.61E+04	1.67E+04	1.04
1,2-Dichloroethane	3.53E+00	5.79E+00	2
1,2-Dichloroethene	1.06E+03	1.22E+03	1.2
1,2-Dichloropropane	5.88E+00	2.76E+01	5
1,3,5-Trimethylbenzene	1.69E+03	2.24E+03	1.3
1,3-Dichlorobenzene	7.20E+03	2.09E+04	3
1,4-Dichlorobenzene	1.82E+01	3.51E+01	2
1,4-Dioxane <sup>d</sup>	5.32E+01	2.94E+01	0.6
2-Chloroethylvinyl ether	5.71E-02	8.30E-02	1.5
2-Hexanone	1.27E+03	1.39E+03	1.1
Acetone	3.11E+05	3.29E+05	1.1
Benzene	1.56E+00	4.18E+00	3
Bromobenzene	1.89E+03	2.09E+03	1.1
Bromodichloromethane	2.54E+00	3.90E+00	2
Bromoform	2.90E+02	1.88E+02	0.6
Bromomethane	6.61E+01	8.51E+01	1.3
Carbon disulfide	6.66E+03	8.99E+03	1.3
Carbon tetrachloride	9.65E-01	8.08E+00	8
Chlorobenzene	1.62E+03	2.86E+03	2
Chloroform	9.62E+00	4.31E+00	0.4
Chloromethane	3.46E+02	3.84E+02	1.1
cis-1,2-Dichloroethene	1.15E+02	2.09E+02	2
Cumene	1.53E+04	1.82E+04	1.2
Dibenzofuran <sup>d</sup>	2.74E+02	3.51E+02	1.3
Dibromochloromethane	3.40E+01	1.07E+01	0.3
Dibromomethane	2.95E+02	3.30E+02	1.1
Dichlorodifluoromethane	9.20E+02	1.21E+03	1.3
Ethylbenzene	3.01E+01	6.84E+01	2
Formaldehyde <sup>d</sup>	5.70E+04	9.32E+01	0.002
Hexachlorobutadiene <sup>d</sup>	1.84E+01	1.32E+01	0.7
Hexachlorocyclopentadiene <sup>e</sup>	-	2.46E+01	-
Methyl ethyl ketone	1.64E+05	1.76E+05	1.1
Methyl isobutyl ketone (MIBK)	2.69E+04	4.63E+05	17
Methylene chloride	3.71E+01	2.86E+01	0.8
m-Xylene & p-Xylene	5.69E+03	7.51E+03	1.3
n-Butyl alcohol <sup>e</sup>	-	3.02E+04	-
n-Butylbenzene	8.26E+03	1.03E+04	1.2
N-Nitrosodimethylamine <sup>d</sup>	8.98E-02	1.20E-02	0.1
n-Propylbenzene	2.44E+04	2.69E+04	1.1
o-Chlorotoluene	3.30E+03	4.12E+03	1.2
o-Xylene	3.87E+03	8.35E+03	2
p-Chlorotoluene	3.10E+03	3.93E+03	1.3
p-Cymene	1.82E+04	2.11E+04	1.2
sec-Butylbenzene	1.68E+04	1.97E+04	1.2
Styrene	6.49E+04	4.58E+04	0.7
tert-Butylbenzene	1.68E+04	1.97E+04	1.2
Tetrachloroethene	3.52E+00	4.30E+00	1.2
Tetralin	1.16E+02	1.31E+01	0.1
Toluene	2.39E+04	1.14E+04	0.5
trans-1,2-Dichloroethene	1.08E+03	8.95E+02	0.8
Trichloroethene	1.01E+01	1.09E+01	1.1
Trichlorofluoromethane	7.10E+03	1.56E+04	2

Analyte	Recreator RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	CalEPA-Boeing Agreement Recreator RBSL <sup>b</sup> (mg/kg)	Factor By Which Standard Has Been Weakened
Vinyl chloride	2.82E-01	1.07E-02	0.04
Xylenes, Total	5.69E+03	7.51E+03	1.3
<b>Semi-Volatile Organic Compounds</b>			
2,4,5-Trichlorophenol	2.85E+04	2.95E+04	1.04
2,4,6-Trichlorophenol	2.05E+01	3.62E+01	2
2,4-Dimethylphenol	5.70E+03	5.90E+03	1.04
3,5-Dimethylphenol	2.05E+03	2.12E+03	1.03
4,6-Dinitro-o-cresol <sup>c</sup>	-	2.36E+01	-
Aniline <sup>c</sup>	-	4.44E+02	-
Benzidine <sup>c</sup>	-	1.14E-03	-
Benzoic acid	1.14E+06	1.18E+06	1.04
Benzyl alcohol	2.85E+04	2.95E+04	1.04
bis(2-Ethylhexyl) phthalate	4.79E+02	1.81E+02	0.4
Butyl benzyl phthalate	7.56E+02	1.33E+03	2
Carbazole	7.19E+01	-	-
Diethyl phthalate	2.28E+05	2.36E+05	1.04
Dimethyl phthalate	2.28E+05	2.36E+05	1.04
Di-n-butyl phthalate	2.85E+04	2.95E+04	1.04
Di-n-octyl phthalate	2.85E+03	2.95E+03	1.04
m-Cresol	1.43E+04	1.47E+04	1.03
N-Nitrosodiphenylamine	1.60E+02	5.17E+02	3
o-Cresol	1.43E+04	1.47E+04	1.03
p-Chloro-m-cresol	2.85E+04	2.95E+04	1.04
p-Cresol	2.85E+04	5.90E+03	0.2
p-Nitroaniline <sup>d</sup>	1.60E+02	1.27E+02	0.8
Pentachlorophenol	4.38E+01	4.76E+00	0.1
Phenol	8.55E+04	8.85E+04	1.04
Tetrachlorophenol <sup>c</sup>	-	8.85E+03	-
<b>Polynuclear Aromatic Hydrocarbons</b>			
1-Methyl naphthalene	3.22E+01	6.31E+01	2
2-Methylnaphthalene	9.18E+02	9.97E+02	1.1
Acenaphthene	1.53E+04	1.56E+04	1.02
Acenaphthylene	1.49E+04	1.58E+04	1.1
Anthracene	7.70E+04	8.01E+04	1.04
Benzo(a)anthracene	9.39E-01	5.11E+00	5
Benzo(a)pyrene	9.39E-02	5.16E-01	5
Benzo(b)fluoranthene	9.39E-01	5.16E+00	5
Benzo(e)pyrene	7.71E+03	2.42E+01	0.003
Benzo(ghi)perylene	7.71E+03	8.08E+03	1.05
Benzo(k)fluoranthene	9.39E-01	5.16E+01	55
Chrysene	9.39E+00	5.16E+02	55
Dibenzo(a,h)anthracene	2.75E-01	1.26E-01	0.5
Fluoranthene	1.03E+04	1.08E+04	1.05
Fluorene	1.02E+04	1.06E+04	1.04
Indeno(1,2,3-cd)pyrene	9.39E-01	5.16E+00	5
Naphthalene	2.04E+02	1.40E+01	0.1
Perylene	7.71E+03	8.08E+03	1.05
Phenanthrene	7.70E+04	8.02E+04	1.04
Pyrene	7.71E+03	8.06E+03	1.05
<b>Pesticides</b>			
4,4'-DDD	8.26E+00	9.79E+00	1.2
4,4'-DDE	5.83E+00	8.28E+00	1.4
4,4'-DDT	5.83E+00	8.37E+00	1.4
Aldrin	1.17E-01	1.65E-01	1.4
alpha-BHC	7.34E-01	4.51E-01	0.6

Analyte	Recreator RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	CalEPA-Boeing Agreement Recreator RBSL <sup>b</sup> (mg/kg)	Factor By Which Standard Has Been Weakened
beta-BHC	1.32E+00	1.58E+00	1.2
delta-BHC	1.10E+00	9.27E-01	0.8
Chlordane (Technical)	5.66E+00	8.02E+00	1.4
Dieldrin	1.24E-01	1.78E-01	1.4
Endosulfan I	1.92E+03	1.96E+03	1.02
Endosulfan II	1.92E+03	1.96E+03	1.02
Endosulfan sulfate	1.92E+03	1.96E+03	1.02
Endrin	9.61E+01	9.79E+01	1.02
Endrin aldehyde	9.61E+01	9.79E+01	1.02
Endrin ketone	9.61E+01	9.79E+01	1.02
gamma-BHC	1.80E+00	2.59E+00	1.4
Heptachlor	4.84E-01	6.06E-01	1.3
Heptachlor epoxide	3.60E-01	3.05E-01	0.8
Mirex	1.10E-01	1.54E-01	1.4
p,p'-Methoxychlor	1.60E+03	1.63E+03	1.02
Toxaphene	1.65E+00	2.37E+00	1.4
<b>Herbicides</b>			
2,4,5-T	3.20E+03	3.26E+03	1.02
2,4,5-TP (Silvex)	2.56E+03	2.61E+03	1.02
2,4-Dichlorophenoxyacetic Acid (2,4-D)	3.20E+03	3.26E+03	1.02
2,4-Dichlorophenoxybutyric acid	2.56E+03	9.79E+03	4
Dalapon	9.61E+03	9.79E+03	1.02
Dicamba	9.61E+03	9.79E+03	1.02
2,4-DP (Dichlorprop)	3.20E+03	3.26E+03	1.02
Dinoseb	3.20E+02	3.26E+02	1.02
MCPA	1.60E+02	1.63E+02	1.02
MCPP	3.20E+02	3.26E+02	1.02
<b>Terphenyls</b>			
m-Terphenyl	1.80E+02	3.96E+02	2
o-Terphenyl	1.80E+02	3.96E+02	2
p-Terphenyl	1.80E+02	4.00E+02	2
<b>Glycols</b>			
Diethylene Glycol	2.85E+04	2.95E+04	1.04
Ethylene glycol <sup>c</sup>	-	2.36E+05	-
Triethylene glycol	1.28E+04	5.90E+05	46
<b>PCDD/PCDFs</b>			
2,3,7,8-TCDD TEQ	1.80E-05	2.28E-05	1.3
<b>Polychlorinated Biphenyls (PCBs)</b>			
Aroclor 1016	1.61E+01	1.87E+01	1.2
Aroclor 1242	5.64E-01	1.11E+00	2
Aroclor 1248	5.64E-01	1.11E+00	2
Aroclor 1254	5.64E-01	1.12E+00	2
Aroclor 1260	5.64E-01	1.13E+00	2
Aroclor 1262 <sup>c</sup>	-	1.12E+00	-
Aroclor 1268 <sup>c</sup>	-	1.12E+00	-
Aroclor 5460	5.64E-01	1.12E+00	2
PCB TEQ	8.67E-06	1.76E-05	2
<b>Total Petroleum Hydrocarbons<sup>c</sup></b>			
TPH-Gasoline Range Organics (GRO)	-	1.07E+04	-
TPH-Gasoline Range Organics (GRO) - Aliphatic	-	5.36E+03	-
TPH-Gasoline Range Organics (GRO) - Aromatic	-	-	-
TPH-Diesel Range Organics (DRO)	-	3.95E+03	-
TPH-Diesel Range Organics (DRO) - Aliphatic	-	2.81E+03	-
TPH-Diesel Range Organics (DRO) - Aromatic	-	6.67E+03	-
TPH-Oil Range Organics (ORO)	-	1.60E+04	-

Analyte	Recreator RBSL Pursuant to 2007 Consent Order <sup>a</sup> (mg/kg)	CalEPA-Boeing Agreement Recreator RBSL <sup>b</sup> (mg/kg)	Factor By Which Standard Has Been Weakened
TPH-Oil Range Organics (ORO) - Aliphatic	-	7.30E+05	-
TPH-Oil Range Organics (ORO) - Aromatic	-	8.08E+03	-

<sup>a</sup> From 2014 SRAM Final Revision 2 Addendum, Human Health Table pdf pp. 1071-1073

<sup>b</sup> From 2022 SSFL DTSC-Boeing Agreement, Attachment 3 Exhibit 5, pdf pp. 132-137

<sup>c</sup> Analyte not included in 2014 SRAM, but included in CalEPA-Boeing Agreement

<sup>d</sup> Analyte listed in different order in 2014 SRAM

Note:

- The "E" in the data stands for exponent. For example, 9.89E+02 is  $9.89 \times 10^2$ , or 989. 3.45E-01 is  $3.45 \times 10^{-1}$ , or 0.345.
- As the table indicates, for the great majority of the contaminants for which values are provided, the ecological cleanup standards have been weakened in the new agreement. All factors identified in column D greater than 1 indicate that the new Agreement values are less stringent than the previous ones. For a few chemicals, there has been a tightening, represented by numbers that are less than 1 (e.g. 0.9).

**Table 4**

**Weakening of SSFL Ecological Risk-Based Screening Levels (EcoRBSLs)  
in the New 2022 CalEPA-Boeing Agreement Compared to Those Required by the 2007 Consent Order:  
Low TRV- vs. High TRV-based EcoRBSLs**

<b>Analyte</b>	<b>2007 Consent Order Low TRV-based EcoRBSL<sup>a</sup> (mg/kg)</b>	<b>2022 CalEPA-Boeing Agreement High TRV-based EcoRBSL<sup>b</sup> (mg/kg)</b>	<b>Factor By Which Ecological Cleanup Standard Has Been Weakened</b>
<b>Inorganic Compounds</b>			
Aluminum	16	440	28
Antimony	0.042	24	571
Arsenic	2.1	74	35
Barium	44	1,410	32
Beryllium	4.8	42	9
Boron	22	100	5
Cadmium	0.019	0.56	29
Cerium <sup>c</sup>	-	NTV	-
Chromium	1.9	330	174
Cobalt	12	850	71
Copper	1.1	420	382
Cyanides	0.18	1.8	10
Fluoride	35	140	4
Hexavalent chromium	7.3	30	4
Lead	0.062	36	581
Lithium	43	170	4
Manganese	79	10,500	133
Mercury	0.87	0.29	0.3
Methyl Mercury	0.18	0.82	5
Molybdenum	0.13	3.9	30
Nickel	0.13	84	646
Selenium	0.1	7.2	72
Silver	0.99	220	222
Strontium	1,210	1,010	0.8
Thallium	1.8	12	7
Tin	31	120	4
Titanium	4.5	73	16
Tungsten <sup>c</sup>	-	NTV	-
Uranium <sup>c</sup>	-	55	-
Vanadium	3.3	160	48
Zinc	19	93	5
Zirconium	8	NTV	-
<b>Energetic Constituents</b>			
1,1-Dimethylhydrazine <sup>d</sup>	0.35	1.7	5
1,2-Dinitrobenzene	0.92	2.5	3
1,3-Dinitrobenzene	0.92	2.5	3
2,4,6-Trinitrotoluene	0.13	0.54	4
2-Amino-4,6-dinitrotoluene	0.006	0.46	77
HMX	110	7.9	0.07
Hydrazine	NTV	NTV	-
Monomethylhydrazine	0.35	1.7	5
Nitrobenzene <sup>c</sup>	-	6.9	-
Nitroglycerin <sup>c</sup>	-	150	-
Perchlorate	0.5	7.7	15
RDX	0.3	1.5	5

**Weakening of SSFL Ecological Risk-Based Screening Levels (EcoRBSLs)  
in the New 2022 CalEPA-Boeing Agreement Compared to Those Required by the 2007 Consent Order:  
Low TRV- vs. High TRV-based EcoRBSLs**

Analyte	2007 Consent Order Low TRV-based EcoRBSL <sup>a</sup> (mg/kg)	2022 CalEPA-Boeing Agreement High TRV-based EcoRBSL <sup>b</sup> (mg/kg)	Factor By Which Ecological Cleanup Standard Has Been Weakened
<b>Volatile Organic Compounds</b>			
1,1,1,2-Tetrachloroethane	38	190	5
1,1,1-Trichloroethane	2,460	6,240	3
1,1,2,2-Tetrachloroethane	51	100	2
1,1,2-Trichloro-1,2,2-trifluoroethane	220	NTV	-
1,1,2-Trichloroethane	9	100	11
1,1-Dichloroethane	78	160	2
1,1-Dichloroethene	6.9	18	3
1,2,3-Trichlorobenzene	10	37	4
1,2,4-Trichlorobenzene	10	37	4
1,2,4-Trimethylbenzene	3.1	4	1.3
1,2-Dibromoethane	12	62	5
1,2-Dibromo-3-chloropropane <sup>d</sup>	0.28	1.4	5
1,2-Dichlorobenzene	130	130	1
1,2-Dichloroethane	78	160	2
1,2-Dichloroethene	130	250	2
1,2-Dichloropropane	33	160	5
1,3,5-Trimethylbenzene	3.2	4.1	1.3
1,3-Dichlorobenzene	23	110	5
1,4-Dichlorobenzene	5.6	28	5
1,4-Dioxane <sup>d</sup>	2.3	4.6	2
2-Chloroethylvinyl ether	160	910	6
2-Hexanone	23	170	7
Acetone	46	230	5
Acetic Acid <sup>f</sup>	410	1,660	4
Benzene	73	730	10
Bromide	NTV	NTV	-
Bromobenzene	25	43	2
Bromodichloromethane	10	51	5
Bromoform <sup>d</sup>	23	45	2
Bromomethane	3.2	16	5
Carbon disulfide	51	NTV	-
Carbon tetrachloride	35	NTV	-
Chlorobenzene	21	43	2
Chloroform	69	190	3
Chloromethane	3.2	16	5
cis-1,2-Dichloroethene	210	220	1.05
Cumene	1.3	13	10
Dibenzofuran <sup>d</sup>	1.2	12	10
Dibromochloromethane <sup>d</sup>	29	59	2
Dibromomethane	27	230	9
Dichlorodifluoromethane	41	410	10
Ethylbenzene	79	240	3
Formaldehyde <sup>d</sup>	43	380	9
Hexachlorobutadiene <sup>d</sup>	0.022	0.11	5
Hexachlorocyclopentadiene <sup>c</sup>	-	5.6	-



**Weakening of SSFL Ecological Risk-Based Screening Levels (EcoRBSLs)  
in the New 2022 CalEPA-Boeing Agreement Compared to Those Required by the 2007 Consent Order:  
Low TRV- vs. High TRV-based EcoRBSLs**

<b>Analyte</b>	<b>2007 Consent Order Low TRV-based EcoRBSL<sup>a</sup> (mg/kg)</b>	<b>2022 CalEPA-Boeing Agreement High TRV-based EcoRBSL<sup>b</sup> (mg/kg)</b>	<b>Factor By Which Ecological Cleanup Standard Has Been Weakened</b>
Methyl ethyl ketone	8,160	21,100	3
Methyl isobutyl ketone (MIBK)	4.5	45	10
Methylene chloride	27	230	9
m-Xylene & p-Xylene	3.3	4.2	1.3
n-Butyl alcohol <sup>c</sup>	-	1,130	-
n-Butylbenzene	61	180	3
N-Nitrosodimethylamine <sup>d</sup>	6.5	79	12
n-Propylbenzene	73	220	3
o-Chlorotoluene	16	63	4
o-Xylene	3.4	4.3	1.3
p-Chlorotoluene	16	64	4
p-Cymene	3.7	37	10
sec-Butylbenzene	0.98	9.8	10
Styrene	210	420	2
tert-Butylbenzene	1.1	11	10
Tetralin	58	290	5
Tetrachloroethene	2.2	11	5
Toluene	59	590	10
trans-1,2-Dichloroethene	130	240	2
Trichloroethene	1.8	18	10
Trichlorofluoromethane	170	850	5
Vinyl chloride	0.78	7.8	10
Xylenes, Total	3.4	4.2	1.2
<b>Semi-Volatile Organic Compounds</b>			
2,4,5-Trichlorophenol	75	220	3
2,4,6-Trichlorophenol	75	230	3
2,4-Dimethylphenol	65	330	5
3,5-Dimethylphenol	2.6	26	10
4,6-Dinitro-o-cresol <sup>c</sup>	-	NTV	-
Aniline <sup>c</sup>	-	250	-
Benzidine <sup>c</sup>	-	12	-
Benzoic acid	4.5	45	10
Benzyl alcohol	4.5	45	10
bis(2-Ethylhexyl) phthalate	0.32	65	203
Butyl benzyl phthalate	90	260	3
Carbazole	1.5	15	10
Diethyl phthalate	2.3	23	10
Dimethyl phthalate	4.5	45	10
Di-n-butyl phthalate	0.11	1.1	10
Di-n-octyl phthalate	13	130	10
m-Cresol	5.1	51	10
N-Nitrosodiphenylamine	2.3	28	12
o-Cresol	4.3	43	10
p-Chloro-m-cresol	1.7	17	10
p-Cresol	4.3	43	10
Pentachlorophenol	2.8	10	4

**Weakening of SSFL Ecological Risk-Based Screening Levels (EcoRBSLs)  
in the New 2022 CalEPA-Boeing Agreement Compared to Those Required by the 2007 Consent Order:  
Low TRV- vs. High TRV-based EcoRBSLs**

Analyte	2007 Consent Order Low TRV-based EcoRBSL <sup>a</sup> (mg/kg)	2022 CalEPA-Boeing Agreement High TRV-based EcoRBSL <sup>b</sup> (mg/kg)	Factor By Which Ecological Cleanup Standard Has Been Weakened
Phenol	5.1	51	10
p-Nitroaniline	3.4	34	10
Tetrachlorophenol <sup>c</sup>	-	54	-
<b>Polynuclear Aromatic Hydrocarbons</b>			
1-Methyl naphthalene	52	260	5
2-Methylnaphthalene	53	260	5
Acenaphthene	1.1	12	11
Acenaphthylene	0.33	3.3	10
Anthracene	2.2	25	11
Benzo(a)anthracene	0.81	180	222
Benzo(a)pyrene	5.1	240	47
Benzo(b)fluoranthene	2.4	120	50
Benzo(e)pyrene	4.4	120	27
Benzo(ghi)perylene	7.4	110	15
Benzo(k)fluoranthene	4.9	120	24
Chrysene	1.2	130	108
Dibenzo(a,h)anthracene	2.3	140	61
Fluoranthene	54	930	17
Fluorene	0.89	5.4	6
Indeno(1,2,3-cd)pyrene	4.8	120	25
Naphthalene	26	130	5
Perylene	10	220	22
Phenanthrene	1.3	28	22
Pyrene	1.2	140	117
<b>Pesticides</b>			
4,4'-DDD	0.0051	0.85	167
4,4'-DDE	0.0041	0.28	68
4,4'-DDT	0.0035	0.58	166
Aldrin	0.057	0.57	10
alpha-BHC	0.073	2.9	40
beta-BHC	0.59	2.9	5
Chlordane (Technical)	1.1	5.6	5
delta-BHC	0.067	2.6	39
Dieldrin	0.013	0.4	31
Endosulfan I	0.22	4.2	19
Endosulfan II	0.22	4.2	19
Endosulfan sulfate	0.23	4.4	19
Endrin	0.0079	0.079	10
Endrin aldehyde	0.0092	0.092	10
Endrin ketone	0.0086	0.086	10
gamma-BHC	0.075	5.6	75
Heptachlor	0.087	3.6	41
Heptachlor epoxide	0.0013	0.0065	5
Mirex	0.034	0.34	10
p,p'-Methoxychlor	2.5	50	20
Toxaphene	5.8	NTV	-

**Weakening of SSFL Ecological Risk-Based Screening Levels (EcoRBSLs)  
in the New 2022 CalEPA-Boeing Agreement Compared to Those Required by the 2007 Consent Order:  
Low TRV- vs. High TRV-based EcoRBSLs**

Analyte	2007 Consent Order Low TRV-based EcoRBSL <sup>a</sup> (mg/kg)	2022 CalEPA-Boeing Agreement High TRV-based EcoRBSL <sup>b</sup> (mg/kg)	Factor By Which Ecological Cleanup Standard Has Been Weakened
<b>Herbicides</b>			
2,4,5-T	4.8	16	3
2,4,5-TP (Silvex)	0.55	1.8	3
2,4-Dichlorophenoxyacetic Acid (2,4-D)	1.1	5.5	5
2,4-Dichlorophenoxybutyric acid	6.2	19	3
2,4-DP (Dichlorprop)	0.79	3.9	5
Dalapon	39	130	3
Dicamba	14	46	3
Dinoseb	0.18	1.5	8
MCPA <sup>d</sup>	0.12	0.61	5
MCPP	2.5	7.4	3
<b>Terphenyls</b>			
m-Terphenyl	0.67	6.7	10
o-Terphenyl	0.67	6.7	10
p-Terphenyl	0.54	5.4	10
<b>Glycols</b>			
Diethylene Glycol	NTV	NTV	-
Ethylene glycol <sup>c</sup>	-	4,610	-
Triethylene glycol	NTV	NTV	-
<b>Total Petroleum Hydrocarbons<sup>e</sup></b>			
TPH-Gasoline Range Organics (GRO)	NTV	NA	-
TPH-Diesel Range Organics (DRO)	NTV	NA	-
<b>PCDD/PCDFs</b>			
2,3,7,8-TCDD TEQ <sup>c</sup>	-	NA	-
1,2,3,4,6,7,8-Heptachlorodibenzofuran <sup>f</sup>	NA	NA	-
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin <sup>f</sup>	NA	NA	-
1,2,3,4,7,8,9-Heptachlorodibenzofuran <sup>f</sup>	NA	NA	-
1,2,3,4,7,8-Hexachlorodibenzofuran <sup>f</sup>	NA	NA	-
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin <sup>f</sup>	NA	NA	-
1,2,3,6,7,8-Hexachlorodibenzofuran <sup>f</sup>	NA	NA	-
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin <sup>f</sup>	NA	NA	-
1,2,3,7,8,9-Hexachlorodibenzofuran <sup>f</sup>	NA	NA	-
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin <sup>f</sup>	NA	NA	-
1,2,3,7,8-Pentachlorodibenzofuran <sup>f</sup>	NA	NA	-
1,2,3,7,8-Pentachlorodibenzo-p-dioxin <sup>f</sup>	NA	NA	-
2,3,4,6,7,8-Hexachlorodibenzofuran <sup>f</sup>	NA	NA	-
2,3,4,7,8-Pentachlorodibenzofuran <sup>f</sup>	NA	NA	-
2,3,7,8-TCDD <sup>f</sup>	NA	NA	-
2,3,7,8-Tetrachlorodibenzofuran <sup>f</sup>	NA	NA	-
2,3,7,8-TCDD_TEQ_Bird	0.0000057	0.000057	10
2,3,7,8-TCDD_TEQ_Mammal <sup>f</sup>	0.0000005	0.000005	10
Octachlorodibenzofuran <sup>f</sup>	NA	NA	-
Octachlorodibenzo-p-dioxin <sup>f</sup>	NA	NA	-
<b>Polychlorinated Biphenyls (PCBs)</b>			
Aroclor 1016	0.12	1.2	10
Aroclor 1242	0.043	0.43	10

**Weakening of SSFL Ecological Risk-Based Screening Levels (EcoRBSLs)  
in the New 2022 CalEPA-Boeing Agreement Compared to Those Required by the 2007 Consent Order:  
Low TRV- vs. High TRV-based EcoRBSLs**

Analyte	2007 Consent Order Low TRV-based EcoRBSL <sup>a</sup> (mg/kg)	2022 CalEPA-Boeing Agreement High TRV-based EcoRBSL <sup>b</sup> (mg/kg)	Factor By Which Ecological Cleanup Standard Has Been Weakened
Aroclor 1248	0.0064	0.064	10
Aroclor 1254	0.039	0.39	10
Aroclor 1260	0.025	0.25	10
Aroclor 1262 <sup>c</sup>	-	0.39	-
Aroclor 1268 <sup>c</sup>	-	0.39	-
Aroclor 5460	0.039	0.41	11
PCB_TEQ_Bird (Coplanar PCBs) <sup>f</sup>	0.0000057	0.000057	10
PCB_TEQ_Mammal (Coplanar PCBs) <sup>f</sup>	0.0000005	0.000005	10
PCB-105 <sup>f</sup>	NA	NA	-
PCB-114 <sup>f</sup>	NA	NA	-
PCB-118 <sup>f</sup>	NA	NA	-
PCB-123 <sup>f</sup>	NA	NA	-
PCB-126 <sup>f</sup>	NA	NA	-
PCB-156 <sup>f</sup>	NA	NA	-
PCB-157 <sup>f</sup>	NA	NA	-
PCB-167 <sup>f</sup>	NA	NA	-
PCB-169 <sup>f</sup>	NA	NA	-
PCB-189 <sup>f</sup>	NA	NA	-
PCB-77 <sup>f</sup>	NA	NA	-
PCB-81 <sup>f</sup>	NA	NA	-
<b>Chemical Parameters<sup>f</sup></b>			
Ammonia-N	NTV	NTV	-
Chloride	NTV	NTV	-
Nitrate	2,340	5,200	2
Nitrite-NO <sub>2</sub>	NTV	NTV	-
Orthophosphate – PO <sub>4</sub>	0.069	0.35	5
Sulfate	NTV	NTV	-

<sup>a</sup> From 2014 SRAM Final Revision 2 Addendum, Table 12-4, pdf pp. 1607-1611. The 2014 SRAM and 2007 Order contemplate the use of the SRAM's Low TRV EcoRBSL. The 2022 CalEPA-Boeing Agreement, however, appears to expressly rule out the use of the more protective SRAM Low TRV EcoRBSL, and instead would require the use of the less protective SRAM High TRV EcoRBSL. (See Agreement pdf p. 199. The Agreement requires the use of the "Lowest Observable Adverse Effect Level," which is a term interchangeable with the High TRV EcoRBSL/High EcoRBSL, and which means concentrations that would cause observable adverse effects on the ecological receptors.) In this table, we therefore compare the Low TRV EcoRBSL from the 2014 SRAM to the High TRV EcoRBSL in the 2022 Agreement.

<sup>b</sup> From 2022 SSFL DTSC-Boeing Agreement, Attachment 4 Exhibit 5, pdf pp. 156-161

<sup>c</sup> Analyte not included in 2014 SRAM, but included in CalEPA-Boeing Agreement

<sup>d</sup> Analyte listed in different order in 2014 SRAM

<sup>e</sup> Analyte not included in CalEPA-Boeing Agreement, but included in 2014 SRAM

<sup>f</sup> Analyte included in EcoRBSL table(s), not Human RBSL tables

Note:

• As the table indicates, for the great majority of the contaminants for which values are provided, the ecological cleanup standards have been weakened in the new agreement. All factors identified in column D greater than 1 indicate that the new Agreement values are less stringent than the previous ones. For a few chemicals, there has been a tightening, represented by numbers that are less than 1 (e.g. 0.9).

• For discussion on the usage of Low and High TRV-based EcoRBSLs, see the 2022 SSFL DTSC-Boeing Agreement, pdf p. 199, and the 2022 SSFL Area I Burnpitt ISE Consent Order (Final), pdf p. 8.

NA – not applicable

NTV – no toxicity value