

Attachment #2

**RSEI Full Model Relative Risk Score and Total Pounds
for Chemicals Released to Air in Jefferson County, KY
(Based on 2002 TRI)**

Chemical	Total TRI Pounds	Total RSEI Score
Chloroprene	520,759	237,707
Nickel compounds	7,122	81,082
Chromium compounds	2,099	45,515
Cobalt compounds	1,406	45,356
1.3-Butadiene	129,187	29,351
Chromium	515	24,638
Acrylonitrile	77,600	24,052
Cobalt	250	20,845
Sulfuric acid	1,098,250	17,945
1.2.4-Trimethylbenzene	185,134	13,644
Aluminum (fume or dust)	106,857	11,427
Glycol ethers	381,535	10,145
Manganese compounds	2,176	8,498
Ammonia	814,905	7,385
Butyl acrylate	7,768	3,669
Nitric acid	52,382	3,311
Hydrochloric acid	285,187	3,297
Xylene (mixed isomers)	615,393	3,050
Chlorine	759	3,049
Copper compounds	4,529	2,347
Lead	807	2,274
Boron trifluoride	1,852	1,890
Hydrogen fluoride	82,919	1,518
Toluene	992,306	1,438
Formaldehyde	8,523	1,220
Lead compounds	1,555	916
Naphthalene	5,973	806
Diisocyanates	13	586
Arsenic compounds	1,036	579
Antimony compounds	130	405
n-Butyl alcohol	317,527	388
Manganese	20	383
Chloroform	4,633	298
Ethyl acrylate	20,624	234
Copper	710	232
Molybdenum trioxide	48	198
Acrylic acid	289	152
Vinyl chloride	4,281	116
Methyl methacrylate	165,271	112
Zinc compounds	7,746	106
Nickel	5	77
Benzene	3,136	77
Mercury	58	64

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Chemical	Total TRI Pounds	Total RSEI Score
Ethylbenzene	114,460	52
Styrene	81,227	50
Methyl isobutyl ketone	178,311	27
Chlorodifluoromethane (HCFC-22)	1,991,670	27
tert-Butyl alcohol	20,000	23
n-Hexane	8,091	22
Mercury compounds	409	18
Ethylene glycol	6,599	12
Phthalic anhydride	474	12
Zinc (fume or dust)	250	12
Tetrachloroethylene (Perchloroethylene)	596	10
sec-Butyl alcohol	1,775	8
Methyl ethyl ketone	53,918	8
Methanol	51,299	7
Polycyclic aromatic compounds	5	3
Methyl acrylate	677	3
Beryllium compounds	35	2
Vanadium compounds	1,540	2
Methyl tert-butyl ether	7,553	1
Dibutyl phthalate	894	1
Barium compounds	1,720	1
Chlorothalonil	45	1
Thallium compounds	21	1
Sodium nitrite	265	1
1-Chloro-1.1-difluoroethane	36,329	0
Silver compounds	10	0
Vinylidene chloride (1.1-dichloroethylene)	126	0
Vinyl acetate	74	0
Titanium tetrachloride	5	0
Triethylamine	5	0
Cresol (mixed isomers)	255	0
Nitrate compounds	301	0
3-Iodo-2-propynyl butylcarbamate	21	0
Formic acid	80	0
Cumene	3	0
Cyclohexane	8	0
1.1-Dichloro-1-fluoroethane	14,314	0
1-Chloro-1.1.2.2-tetrafluoroethane	5,412	0
2-Chloro-1.1.1.2-tetrafluoroethane	102,512	0
Benzo(g,h,i)perylene	0	0
Dichlorofluoromethane	1,560	0
Dioxin and dioxin-like compounds	0	0
Nicotine and salts	305	0