

2002 Statewide Hazardous Air Pollutants (HAPs) Emissions
(lbs/year)

Pollutant	CAS Number	Beaver	Box Elder	Cache	Carbon	Daggett	Davis	Duchesne	Emery	Garfield
1,1,2,2-Tetrachloroethane	79345				181.00		159.50			
1,1,2-Trichloroethane	79005									
1,2,4-Trichlorobenzene	120821									
1,2-Epoxybutane	106887		7.24				0.88			
1,3-Dichloropropene	542756									
1,4-Dichlorobenzene(p)	106467				30.00					
1,4-Dioxane (1,4-Diethyleneoxide)	123911						0.86			
2,2,4-Trimethylpentane	540841									
2,4-Dinitrophenol	51285								0.40	
2,4-Dinitrotoluene	121142				0.07					
2-Chloroacetophenone	532274				1.85					
4,4'-Methylenedianiline	101779						9.26			
Acetaldehyde	75070									84.70
Acetone	67641									
Acetonitrile	75058						14.96			
Acetophenone	98862				3.95					
Acrolein	107028									1.69
Acrylonitrile	107131				326.00					
Ammonia (anhydrous)	7664417									
Antimony Compounds					4.75					0.01
Arsenic Compounds										0.04
Barium Compounds										
Benzene (including benzene from gasoline)	71432									25.40
Benzo(a)anthracene	56553									
Benzyl chloride	100447									
Beryllium Compounds										
Biphenyl	92524				0.45					
Bis(2-ethylhexyl)phthalate (DEHP)	117817				19.24					
Bromine	7726956									
Bromoform	75252				10.28					
Butane	106978						242.10			
Cadmium Compounds				0.11						0.03
Carbon disulfide	75150								111.80	
Carbon oxysulfide[Carbon oxide sulfide (COS)]	463581				29.00					
Carbon tetrachloride	56235				1.00					
Chlorine	7782505						1,884.00			
Chlorobenzene	108907									
Chloroform	67663		3,710.10				49.71			
Chromium Compounds				0.15						0.39

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Pollutant	Grand	Iron	Juab	Millard	Morgan	Salt Lake	San Juan	Sanpete	Sevier	Summit
1,1,2,2-Tetrachloroethane										
1,1,2-Trichloroethane				56.53		0.00				
1,2,4-Trichlorobenzene										
1,2-Epoxybutane										
1,3-Dichloropropene						0.00				
1,4-Dichlorobenzene(p)										
1,4-Dioxane (1,4-Diethyleneoxide)						103.00				
2,2,4-Trimethylpentane										
2,4-Dinitrophenol										
2,4-Dinitrotoluene										
2-Chloroacetophenone										
4,4'-Methylenedianiline										
Acetaldehyde		0.02								
Acetone						208.00				
Acetonitrile										
Acetophenone										
Acrolein		3.77						2.38		
Acrylonitrile										
Ammonia (anhydrous)			2.00		7,080.00					
Antimony Compounds		0.03	2.02		1,385.70			0.02		
Arsenic Compounds		0.08			26.60			0.05	0.06	51.56
Barium Compounds			757.85						0.24	
Benzene (including benzene from gasoline)		56.50	12,189.00							
Benzo(a)anthracene				0.21		0.00				
Benzyl chloride				1,978.70						
Beryllium Compounds					0.90					36.31
Biphenyl						0.01				
Bis(2-ethylhexyl)phthalate (DEHP)										
Bromine			158.79							
Bromoform										
Butane										
Cadmium Compounds		0.06			5.30				0.02	12.58
Carbon disulfide										
Carbon oxysulfide[Carbon oxide sulfide (COS)]										
Carbon tetrachloride						0.00				
Chlorine			1,681.71			465.50				
Chlorobenzene						0.00				
Chloroform										
Chromium Compounds					45.30			0.55	0.61	

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Pollutant	Tooele	Uintah	Utah	Washington	Weber
1,1,2,2-Tetrachloroethane					
1,1,2-Trichloroethane					
1,2,4-Trichlorobenzene					8.00
1,2-Epoxybutane			5.60		
1,3-Dichloropropene					
1,4-Dichlorobenzene(p)					
1,4-Dioxane (1,4-Diethyleneoxide)					
2,2,4-Trimethylpentane	0.02				
2,4-Dinitrophenol					
2,4-Dinitrotoluene					
2-Chloroacetophenone					
4,4'-Methylenedianiline					
Acetaldehyde					93.17
Acetone					
Acetonitrile					
Acetophenone					
Acrolein					
Acrylonitrile			98.79		
Ammonia (anhydrous)				106.00	
Antimony Compounds	4.73			0.02	10.61
Arsenic Compounds				0.08	
Barium Compounds					
Benzene (including benzene from gasoline)		17.93			81.83
Benzo(a)anthracene					
Benzyl chloride					
Beryllium Compounds					
Biphenyl			126.00		
Bis(2-ethylhexyl)phthalate (DEHP)					
Bromine					
Bromoform					
Butane					
Cadmium Compounds				0.06	
Carbon disulfide					
Carbon oxysulfide[Carbon oxide sulfide (COS)]					
Carbon tetrachloride					1,722.72
Chlorine	13,815,000.00				33,274.00
Chlorobenzene					
Chloroform					
Chromium Compounds					

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Pollutant	CAS Number	Beaver	Box Elder	Cache	Carbon	Daggett	Davis	Duchesne	Emery	Garfield
Cobalt Compounds										0.00
Copper Compounds					0.05					
Cumene	98828		0.14		1.40					
Cyanide Compounds	143339		122.00							
Dibutylphthalate	84742									
Diethanolamine	111422						0.10			
Dimethyl formamide	68122		630.80							
Dioxin/Furan Toxic Equivalents: 2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746016						0.00			
Ethyl benzene	100414									15.60
Ethyl chloride (Chloroethane)	75003									
Ethylene dibromide (Dibromoethane)	106934									
Ethylene dichloride (1,2-Dichloroethane)	107062						1,034.14		58.50	
Ethylene glycol	107211			1,869.00						
Ethylene Glycol Monobutyl ether	111762									
Ethylidene dichloride (1,1-Dichloroethane)	75343				226.00					
Formaldehyde	50000							3,478.00		202.00
Furan	110009									
Glycol Ethers										
Hexachlorobenzene	118741									
Hexachlorobutadiene	87683									
Hexane	110543					1,376.10			98.00	59.90
Hydrochloric acid (Hydrogen chloride)	7647010									
Hydrogen fluoride (Hydrofluoric acid)	7664393									
Hydrogen sulfide	7783064	60,260.00					1,035.70			
Hydroquinone	123319						59.19			
Iso-Propylalcohol	67630									
Isophorone	78591				152.90					
Lead	7439921									0.04
Lead Compounds										
m-Xylenes	108383									
Manganese Compounds										0.50
Mercury Compounds										0.17
Methane	74828									
Methanol	67561			2,633.06						
Methyl bromide (Bromomethane)	74839									
Methyl chloride (Chloromethane)	74873						116.74			
Methyl chloroform (1,1,1-Trichloroethane)	71556		37,378.00		438.72					3.13
Methyl ethyl ketone (2-Butanone)	78933									1.30

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Pollutant	Grand	Iron	Juab	Millard	Morgan	Salt Lake	San Juan	Sanpete	Sevier	Summit
Cobalt Compounds		0.00	6.50					0.00		0.00
Copper Compounds			28.87						0.31	
Cumene										
Cyanide Compounds										
Dibutylphthalate						21.00				
Diethanolamine										
Dimethyl formamide						458.00				
Dioxin/Furan Toxic Equivalents: 2,3,7,8-Tetrachlorodibenzo-p-dioxin										
Ethyl benzene		34.80						22.00	14.71	
Ethyl chloride (Chloroethane)						23.80				
Ethylene dibromide (Dibromoethane)										
Ethylene dichloride (1,2-Dichloroethane)										
Ethylene glycol										
Ethylene Glycol Monobutyl ether										
Ethylidene dichloride (1,1-Dichloroethane)										
Formaldehyde		449.00	350.00							
Furan										
Glycol Ethers										
Hexachlorobenzene				0.14						
Hexachlorobutadiene										
Hexane		133.00	4,340.00				18,490.00			
Hydrochloric acid (Hydrogen chloride)			1,526.00							7,420.00
Hydrogen fluoride (Hydrofluoric acid)										2,180.00
Hydrogen sulfide										
Hydroquinone										
Iso-Propylalcohol										
Isophorone										
Lead										
Lead Compounds			66.00						0.17	
m-Xylenes										
Manganese Compounds		1.12	115.48					0.71	0.56	
Mercury Compounds		0.38				85.30		0.24		
Methane									1,064.99	
Methanol										
Methyl bromide (Bromomethane)										
Methyl chloride (Chloromethane)										
Methyl chloroform (1,1,1-Trichloroethane)		6.95						4.40	2.43	
Methyl ethyl ketone (2-Butanone)		2.90	2,222.00					1.83		

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Pollutant	Tooele	Uintah	Utah	Washington	Weber
Cobalt Compounds				0.00	0.42
Copper Compounds					
Cumene					
Cyanide Compounds	550.00				
Dibutylphthalate					
Diethanolamine					
Dimethyl formamide					
Dioxin/Furan Toxic Equivalents: 2,3,7,8-Tetrachlorodibenzo-p-dioxin					
Ethyl benzene		22.70		32.40	35.04
Ethyl chloride (Chloroethane)					
Ethylene dibromide (Dibromoethane)			0.06		
Ethylene dichloride (1,2-Dichloroethane)					
Ethylene glycol			30.00		
Ethylene Glycol Monobutyl ether			250.00		
Ethylidene dichloride (1,1-Dichloroethane)					
Formaldehyde		53.78			
Furan			0.05		
Glycol Ethers	0.01				1,265.98
Hexachlorobenzene					
Hexachlorobutadiene					31.58
Hexane		12.30		124.00	
Hydrochloric acid (Hydrogen chloride)		109.00			
Hydrogen fluoride (Hydrofluoric acid)					
Hydrogen sulfide					2,130.00
Hydroquinone					
Iso-Propylalcohol					120.56
Isophorone					1,392.50
Lead					
Lead Compounds					
m-Xylenes	222.00				
Manganese Compounds	2.30			1.04	0.10
Mercury Compounds					
Methane					
Methanol		846.80			493.30
Methyl bromide (Bromomethane)					4,446.00
Methyl chloride (Chloromethane)					3,620.00
Methyl chloroform (1,1,1-Trichloroethane)					112.00
Methyl ethyl ketone (2-Butanone)		50.80		2.70	

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Pollutant	CAS Number	Beaver	Box Elder	Cache	Carbon	Daggett	Davis	Duchesne	Emery	Garfield
Methyl isobutyl ketone (Hexone)	108101		3,695.93		182.00					
Methyl isocyanate	624839									
Methyl methacrylate	80626				0.01					
Methyl tert butyl ether	1634044				9.27					
Methylene chloride (Dichloromethane)	75092		5,314.89	1,595.40	1,098.80					
Methylene diphenyl diisocyanate (MDI)	101688									
N-Butyl Acetate	123864									
Naphthalene	91203									42.30
Nickel Compounds										4.10
Nitric acid (conc 80% or greater)	7697372									
o-Xylenes	95476				0.01					
p-Xylenes	106423									
particulate matter (PM)	0									
Phenol	108952		7,498.35		4.21				20.00	
Phosgene	75445									
Phosphorus	7723140		0.10				0.30			1.82
Polycyclic aromatic hydrocarbons	0									15.30
Polycyclic Organic Matter/4/										
Propionaldehyde	123386									8.47
Propylene dichloride (1,2-Dichloropropane)	78875				20.00					
Pyrene	129000									
Quinoline	91225									13.00
Quinone	106514									
Radionuclides (including Radon)/5/										
Selenium Compounds										0.02
Strontium (tsp)	7440246									
Styrene	100425		3.72		6.59					
Sulfuric Acid										
Tetrachloroethylene (Perchloroethylene)	127184				11.34					
Toluene	108883					600.60				189.00
Trichloroethylene	79016		1,259.16		360.00					
Trimethyl Benzene	25551137									
Uranium	7440611									
Vinyl acetate	108054		0.89		2.00		0.01			
Vinyl chloride	75014				445.00					
Vinylidene chloride (1,1-Dichloroethylene)	75354				19.00					
Xylenes (isomers and mixture)	1330207									13.00

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Pollutant	Grand	Iron	Juab	Millard	Morgan	Salt Lake	San Juan	Sanpete	Sevier	Summit
Methyl isobutyl ketone (Hexone)										
Methyl isocyanate						176.62				
Methyl methacrylate						0.46				
Methyl tert butyl ether										
Methylene chloride (Dichloromethane)										
Methylene diphenyl diisocyanate (MDI)										
N-Butyl Acetate										
Naphthalene		94.20							2.43	
Nickel Compounds		9.13	14.44		7.70			5.77	0.76	
Nitric acid (conc 80% or greater)						7.52				
o-Xylenes										
p-Xylenes							9,685.00			
particulate matter (PM)	410.88									
Phenol										
Phosgene										
Phosphorus		4.06						2.57	2.79	0.10
Polycyclic aromatic hydrocarbons								21.50		
Polycyclic Organic Matter/4/										
Propionaldehyde		18.80								
Propylene dichloride (1,2-Dichloropropane)										
Pyrene						0.00				
Quinoline		29.00				19.02				
Quinone								18.30		
Radionuclides (including Radon)/5/										
Selenium Compounds		0.05			2,204.20			0.03		0.10
Strontium (tsp)			461.93							
Styrene										
Sulfuric Acid										
Tetrachloroethylene (Perchloroethylene)										
Toluene		420.00	43,590.00				9,200.00		10.14	
Trichloroethylene										
Trimethyl Benzene										
Uranium			7.22							
Vinyl acetate										
Vinyl chloride										
Vinylidene chloride (1,1-Dichloroethylene)										
Xylenes (isomers and mixture)		29.00							20.29	

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Pollutant	Tooele	Uintah	Utah	Washington	Weber
Methyl isobutyl ketone (Hexone)		1,194.00			
Methyl isocyanate					
Methyl methacrylate					
Methyl tert butyl ether			1,202.70		
Methylene chloride (Dichloromethane)		38.30		524.26	
Methylene diphenyl diisocyanate (MDI)		3.60			
N-Butyl Acetate			440.00		
Naphthalene		4,085.00			
Nickel Compounds				8.51	
Nitric acid (conc 80% or greater)					
o-Xylenes	89.00				48.78
p-Xylenes	89.00				
particulate matter (PM)					
Phenol					
Phosgene					2,609.13
Phosphorus			0.30	3.78	0.10
Polycyclic aromatic hydrocarbons					
Polycyclic Organic Matter/4/					
Propionaldehyde			27.70	17.60	
Propylene dichloride (1,2-Dichloropropane)					
Pyrene					
Quinoline					
Quinone			34.10	27.00	78.62
Radionuclides (including Radon)/5/		637.00			
Selenium Compounds				0.05	
Strontium (tsp)					
Styrene					
Sulfuric Acid					772.80
Tetrachloroethylene (Perchloroethylene)					
Toluene		276.80			
Trichloroethylene		36.10			
Trimethyl Benzene			11,663.00		
Uranium					
Vinyl acetate					
Vinyl chloride			134.92		
Vinylidene chloride (1,1-Dichloroethylene)					
Xylenes (isomers and mixture)		140.10			