

List of Air Pollutants Modeled in the 2011 NATA

NATA Pollutant ^a	CAS Number	Ambient Concentration Estimates	Cancer Risk Estimate Generated in NATA	Noncancer Risk Estimate Generated in NATA
1,1,1-Trichloroethane	71556	x		x
1,1,2,2-Tetrachloroethane	79345	x		
1,1,2-Trichloroethane	79005	x	x	x
1,1-Dimethylhydrazine	57147	x		
1,2,3,4,5,6-Hexachlorocyclohexane ^b	58899	x	x	x
1,2,4-Trichlorobenzene	120821	x		x
1,2-Dibromo-3-Chloropropane	96128	x	x	x
1,2-Diphenylhydrazine	122667	x	x	
1,2-Epoxybutane	106887	x		x
1,2-Propyleneimine	75558	x		
1,3-Butadiene	106990	x	x	x
1,3-Dichloropropene	542756	x	x	x
1,3-Propane Sultone	1120714	x	x	
1,4-Dichlorobenzene	106467	x	x	x
1,4-Dioxane	123911	x	x	x
2,2,4-Trimethylpentane	540841	x		
2,4,5-Trichlorophenol	95954	x		
2,4,6-Trichlorophenol	88062	x	x	
2,4-D, salts and esters	94757	x		
2,4-Dinitrophenol	51285	x		
2,4-Dinitrotoluene	121142	x	x	x
2,4-Toluene Diamine	95807	x	x	
2,4-Toluene Diisocyanate	584849	x	x	x
2-Acetylaminofluorene	53963	x	x	
2-Chloroacetophenone	532274	x		x
2-Nitropropane	79469	x	x	x
3,3'-Dichlorobenzidine	91941	x	x	
3,3'-Dimethoxybenzidine	119904	x		
3,3'-Dimethylbenzidine	119937	x		
4,4'-Methylene Bis(2-Chloroaniline)	101144	x	x	
4,4'-Methylenedianiline	101779	x	x	x
4,4'-Methylenediphenyl Diisocyanate (MDI)	101688	x		x
4,6-Dinitro-o-Cresol (Including Salts)	534521	x		
4-Aminobiphenyl	92671	x		
4-Dimethylaminoazobenzene	60117	x	x	
4-Nitrobiphenyl	92933	x		

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4-Nitrophenol	100027	x		
Acetaldehyde	75070	x	x	x
Acetamide	60355	x	x	
Acetonitrile	75058	x		x
Acetophenone	98862	x		
Acrolein	107028	x		x
Acrylamide	79061	x	x	x
Acrylic Acid	79107	x		x
Acrylonitrile	107131	x	x	x
Allyl Chloride	107051	x	x	x
Aniline	62533	x	x	x
Anisidine	90040	x		
Antimony Compounds	7440360	x		x
Arsenic Compounds(inorganic including Arsine)	7440382	x	x	x
Benzene	71432	x	x	x
Benzidine	92875	x	x	x
Benzotrichloride	98077	x		
Benzyl Chloride	100447	x	x	
Beryllium Compounds	7440417	x	x	x
Beta-Propiolactone	57578	x		
Biphenyl	92524	x		
Bis(2-Ethylhexyl)Phthalate (DEHP)	117817	x	x	x
Bis(Chloromethyl) Ether	542881	x	x	
Bromoform	75252	x	x	
Cadmium Compounds	7440439	x	x	x
Calcium Cyanamide	156627	x		x
Captan	133062	x		
Carbaryl	63252	x		
Carbon Disulfide	75150	x		x
Carbon Tetrachloride	56235	x	x	x
Carbonyl Sulfide	463581	x		x
Catechol	120809	x		
Chloramben	133904	x		
Chlordane	57749	x	x	x
Chlorine	7782505	x		x
Chloroacetic Acid	79118	x		
Chlorobenzene	108907	x		x
Chlorobenzilate	510156	x	x	

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Chloroform	67663	x		x
Chloromethyl Methyl Ether	107302	x		
Chloroprene	126998	x	x	x
Chromium VI (Hexavalent) ^c	Multiple	x	x	x
Cobalt Compounds	7440484	x		x
Coke Oven Emissions	NA	x	x	
Cresol/Cresylic Acid (Mixed Isomers) ^d	Multiple	x		x
Cumene	98828	x		x
Cyanide Compounds	57125	x		x
Dibenzofuran	132649	x		
Dibutylphthalate	84742	x		
Dichloroethyl Ether (Bis[2-Chloroethyl]Ether)	111444	x	x	
Dichlorvos	62737	x		x
Diesel Particulate Matter	NA	x		x
Diethanolamine	111422	x		x
Diethyl Sulfate	64675	x		
Dimethyl Formamide	68122	x		x
Dimethyl Phthalate	131113	x		
Dimethyl Sulfate	77781	x		
Dimethylcarbamoyl Chloride	79447	x		
Epichlorohydrin	106898	x	x	x
Ethyl Acrylate	140885	x		
Ethyl Carbamate (Urethane) Chloride (Chloroethane)	51796	x	x	
Ethyl Chloride	75003	x		x
Ethylbenzene	100414	x	x	x
Ethylene Dibromide (Dibromoethane)	106934	x	x	x
Ethylene Dichloride (1,2-Dichloroethane)	107062	x	x	x
Ethylene Glycol	107211	x		x
Ethylene Oxide	75218	x	x	x
Ethylene Thiourea	96457	x	x	x
Ethyleneimine (Aziridine)	151564	x		
Ethylidene Dichloride (1,1-Dichloroethane)	75343	x	x	x
Formaldehyde	50000	x	x	x
Glycol Ethers ^e	Multiple	x		x
Heptachlor	76448	x	x	
Hexachlorobenzene	118741	x	x	x
Hexachlorobutadiene	87683	x	x	x

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Hexachlorocyclopentadiene	77474	x		x
Hexachloroethane	67721	x		x
Hexamethylene Diisocyanate	822060	x		x
Hexane	110543	x		x
Hydrazine	302012	x	x	x
Hydrochloric Acid (Hydrogen Chloride [Gas Only])	7647010	x		x
Hydrogen Fluoride (Hydrofluoric Acid)	7664393	x		x
Hydroquinone	123319	x		
Isophorone	78591	x		x
Lead Compounds ^f	7439921	x		x
Maleic Anhydride	108316	x		x
Manganese Compounds	7439965	x		x
Mercury Compounds	7439976	x		x
Methanol	67561	x		x
Methoxychlor	72435	x		
Methyl Bromide (Bromomethane)	74839	x		x
Methyl Chloride (Chloromethane)	74873	x		x
Methyl Iodide (Iodomethane)	74884	x		
Methyl Isobutyl Ketone (Hexone)	108101	x		x
Methyl Isocyanate	624839	x		x
Methyl Methacrylate	80626	x		x
Methyl Tert-Butyl Ether	1634044	x	x	x
Methylene Chloride	75092	x	x	x
Methylhydrazine	60344	x		
N,N-Dimethylaniline	121697	x		
Naphthalene	91203	x	x	x
Nickel Compounds ^g	1313991	x	x	x
Nitrobenzene	98953	x	x	x
N-Nitrosodimethylamine	62759	x	x	
N-Nitrosomorpholine	59892	x	x	
N-Nitroso-N-Methylurea	684935	x		
o-Toluidine	95534	x	x	
PAH_000E0 (PAHPOM) ^h	Multiple	x		
PAH_176E5 (PAHPOM)	Multiple	x	x	
PAH_880E5 (PAHPOM)	Multiple	x	x	
PAH_176E4 (PAHPOM)	Multiple	x	x	
PAH_176E3 (PAHPOM)	Multiple	x	x	
PAH_192E3 (PAHPOM)	Multiple	x	x	

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PAH_101E2 (PAHPOM)	Multiple	x	x	
PAH_176E2 (PAHPOM)	Multiple	x	x	
PAH_114E1 (PAHPOM)	Multiple	x	x	
Parathion	56382	x		
Pentachloronitrobenzene (Quintobenzene)	82688	x		
Pentachlorophenol	87865	x	x	x
Phenol	108952	x		x
Phosgene	75445	x		x
Phosphine	7803512	x		x
Phosphorus	7723140	x		
Phthalic Anhydride	85449	x		x
Polychlorinated Biphenyls (Aroclors)	1336363	x	x	
p-Phenylenediamine	106503	x		
Propionaldehyde	123386	x		x
Propoxur (Baygon)	114261	x		
Propylene Dichloride (1,2-Dichloropropane)	78875	x		x
Propylene Oxide	75569	x	x	x
Quinoline	91225	x		
Quinone (P-Benzoquinone)	106514	x		
Selenium Compounds	7782492	x		x
Styrene	100425	x		x
Styrene Oxide	96093	x		x
Tetrachloroethylene	127184	x	x	x
Titanium Tetrachloride	7550450	x		x
Toluene	108883	x		x
Toxaphene (Chlorinated Camphene)	8001352	x	x	
Trichloroethylene	79016	x	x	x
Triethylamine	121448	x		x
Trifluralin	1582098	x		
Vinyl Acetate	108054	x		x
Vinyl Bromide	593602	x	x	x
Vinyl Chloride	75014	x	x	x
Vinylidene Chloride	75354	x		x
Xylenes ⁱ	Multiple	x		x

^a There are 181 air pollutants (180 Clean Air Act air toxics plus diesel PM) modeling in the 2011 NATA. There are 138 air pollutants for which there is a cancer and/or noncancer dose-response value. There are 43 air pollutants for which there are no dose-response values. For these, only the ambient concentration estimates are available.

^b Includes all 4 lindane isomers.

^c Includes all hexavalent chromium compounds.

^d Includes all 3 individual cresol isomers combined with their mixture.

^e Includes all glycol ethers.

^f The RfC for lead compounds is equivalent to the lead NAAQS.

^g Includes all nickel compounds.

^h See Appendix C of the Technical Support Document for a description of the PAH/POM grouping.

ⁱ Includes all 3 individual xylene isomers combined their mixture.