



Sparks Technology, Inc

A Division of **UVDI**

UVDI

UltraViolet Devices, Inc.

Contamination List

Contamination List

Chemical	Formula	Common Source	Chemical Type	Media
Acetaldehyde	CH ₃ CHO	Plastics, Perfumes, Flavoring Agent	Aldehyde	C
Acetic Acid	CH ₃ COOH	Food Production, Pharmaceutical	Organic acid	C, D
Acetic Anhydride	(CH ₃ CO) ₂ O	Used in organic synthesis	Organic Acid	D
Acetone	CH ₃ COCH ₃	Wet/Dry Etch, Cleaning	VOC, Organic Solvent	A
Acetonitrile, Methyl cyanide	CH ₃ CN	Nail Salons, Fatty acid extract for fish & food	Amine-Tert	A
Acrolein	CH ₂ =CHCHO	Plastics, Perfumes, Cigarette Smoke	Aldehyde	C
Acryaldehyde	CH ₂ =CHCHO	Plastics, Perfumes, Cigarette Smoke	Aldehyde	C
Acrylic Acid	CH ₂ =CHCH ₂ H	Manufacture of plastics	Organic acid	D
Acrylonitrile	CH ₂ =CHCN	Adhesives, Fumigant	Amine	E
Adhesives, General	Multiple	Manufacturing	Volatile Organic	A
Alcoholic Beverages	Ethyl Alcohol	Bottling Plants, Breweries	Alcohol	B
Allyl Chloride	CH ₂ =CHCH ₂ Cl	Synthesis	Chlorinated Hydrocarbon	B
Allyl Sulfide	(CH ₂ =CHCH ₂) ₂ S	Flavor Manufacturing	Sulfur Bearing VOC	B
Amines	Containing NH	Fungicide	Amine	B
Ammonia	NH ₃	Fertilizers, Refrigerant, Water Semi Fab	Amine	E
Amyl Acetate-N	CH ₃ COOH(CH ₂) ₄ CH ₃	Nail Polish Solvent, Perfumes	Acetate	E
Amyl Alcohol-N	CH ₃ (CH ₂) ₄ OH	Organic Synthesis as solvent	Alcohol	B
Amyl Ether	[CH ₃ (CH ₂) ₃ CH ₂] ₂ O	Industrial Solvent	Organic Solvent, VOC	B
Anesthetics	Multiple	Medical Facilities	Organic	A
Aniline	C ₆ H ₇ N	Fungicide	Aromatic Hydrocarbon, Amine	A
Animal Odors	Skatole, Indole, Urine	Veterinary Clinics, Feed Lots	Sulfur Bearing , Ammonia	D
Antimony Hydride	SbH ₃	Water Semi Fab	Hydride	B
Antimony Pentachloride	SbCl ₃	Water Semi Fab	Halide	B
Aniseptics	Many Alcohols	Hospitals, Clinics	Alcohol	B
Arsine	AsH ₃	Water Semi Fab	Hydride	B
Arsenic Trifluoride	AsF ₃	Water Semi Fab	Halide	B
Arsenic Trichloride	AsCl ₃	Water Semi Fab	Halide	B
Asphalt Fumes	Multiple	Asphalt Production, Roofing	VOC, Sulfur Compounds	D
Automobile Exhaust	Aldehydes, Sulfur	Air Pollution	VOC, Aldehydes, Sulfur	B
Bathroom Smells	Sulfur Bearing, Ammonia	Locker Rooms	Organic, Ammonia	E
Benzene	C ₆ H ₆	Gasoline	Organic Solvent - VOC	A
Benzenetriisfluoromethane	C ₇ H ₈ F ₃	Coolant	Aromatic Fluorocarbon	A
Benzoyl peroxide	(C ₆ H ₅ CO) ₂ O ₂	Bleaching Agent, Catalyst		A
Body Odors	Sulfur Bearing Compounds	Anaerobic Bacteria		A
Borane	BxHx	Water Semi Fab		B
Boron Tribromide	BBr ₃	Water Semi Fab	Acid	D
Boron Trichloride	BCl ₃	Water Semi Fab	Acid	D
Boron Trifluoride	BF ₃	Water Semi Fab	Acid	D
Bormine	BrxOxH	Used in Fire Retardants		E
Burned Flesh	Aldehydes, Acids	Laser Surgery, Smoke Houses		D
Burning Food	Aldehydes, Acids	Restaurants		D
Burning Fat	Aldehydes, Acids	Restaurants		D
Butadiene (1,3)	CH ₂ =CHCH=CH ₂	Mfg. Synthetic Plastics, Rubbers	Hydrocarbon	A
Butane	C ₄ H ₁₀	Producer Gas	Hydrocarbon	A
Butanone (Methyl Ethyl Ketone, MEK)	CH ₃ COCH ₂ CH ₃	Solvent	VOC	A
Butyl Acetate; N, Sec, Tert	C ₆ H ₁₂ O ₂	Water Semi Fab, Photographic Films	Organic Solvent	A
Butyl Alcohol	CH ₃ CH ₂ CH ₂ CH ₂ OH	Coatings, Detergent Mfg., Rayon	Organic Solvent, Alcohol	A
Butyl Cellosolve	C ₆ H ₁₄ O ₂	Solvent, Dry Cleaning	Organic Solvent	A
Butyl Chloride	C ₄ H ₉ Cl	For Organic Synthesis	Chlorinated Hydrocarbon	D
Butylene	C ₄ H ₈	Producer Gas	Hydrocarbon	A
Butyl Ether	C ₄ H ₁₈ O	Component of Methyl-tert-butyl, Gas additive	Alcohol	A
Butyl Mercaptan	C ₄ H ₁₀ S	Odorant	Sulfur Bearing Hydrocarbon	A
Butyl Methacrylate	CH ₂ (CH ₃)COOCH ₂ CH ₂ C(CH ₃) ₂ CH ₃	Nail Salons	Organic acid	D
Butyric Acid	CH ₂ CH ₂ CH ₂ COOH	Artificial Flavorings, Varnishes	Organic acid	D
Cadaverine	NH ₂ (CH ₂) ₅ NH ₂	Decomposition Product	Amine	E

Contamination List

Chemical	Formula	Common Source	Chemical Type	Media
Camphor	C10H16O	Plastics, Embalming Fluid, Pharmaceutical		C
Caprahol	C9H18OH	Food Stuffs	Alcohol	C
Caproic Acid	CH3(CH2)4COOH	Artificial Flavoring	Organic acid	D
Caprylic Acid	CH3(CH2)6COOH	Artificial Flavoring, Perfumes	Organic acid	D
Carbolic Acid (Phenol)	C6H6O	General Disinfectant, Preservative	Organic acid	D
Carbon Disulfide	CS2			A
Carbon Tetrachloride	CCl4		Chlorinated Hydrocarbon	A
Carbon Tetrafluoride (Freon 14)	CF4	Refrigerant	Fluorocarbon	A
Cellosolve	See Butyl Cellosolve			A
Celloslove Acetate	C6H12O3	Automotive laquer Inhibiter		A
Charred Materials	Aldehydes, Sulfur, VOC			B
Cholordane	C10H12O3	Insecticide	Chlorinated Aromatic	B
Chlorine	Cl2	Disinfectant, Swimming Pools	Oxidizer	D
Chlorine Dioxide	ClO2	Disinfectant		B
Chlorine Trifluoride	ClF3		Halogen	A
Chlorobenzene	C6H5Cl	Solvent, Heat Transfer Fluid	Chlorinated Hydrocarbon	A
Chlorobutadiene, Chloroprene	CH2=CClCH=CH2	Monomer Synthetic Rubber	Halide	B
Chloroform (Trichloromethane)	CHCl3		Chlorinated Hydrocarbon	B
Chloronitropropane	CH3CH2CHClNO2	Fungicide		D
Chlorophenol	C6H5ClO			A
Chloropicrin	CCl3NO2	Disinfectant, Fumigant, War Gas		A
Cigarette Smoke	VOC, Aldehydes			B
Citrus & Other Fruits	Multiple Organic Acids	Juice Production, Flavorings		D
Cleaning Compounds, General	Ammonia, Bleach			C
Combustion Odors	Unburned VOC, Sulfur	Vehicle Exhaust, Boilers		B
Cooking Odors	Fats, Oils, Aldehydes	Restaurant Hood Exhausts		A
Cresol	C7H8O	Disinfectant, Fumigant, Explosives		A
Cresosote (Coal Tar)	Multiple Hydrocarbons	Wood Preservative, Insecticide	Aromatic Hydrocarbon	A
Crotonaldehyde	CH3CH=CHCHO	Odorant, Insecticides, War Gas		A
Cyclohexane	C6H12	Paint Removers, Solid Fuel	Petroleum Distillate	A
Cyclohexanol	C6H12O	Celluloid, Insecticides, Textile	Alcohol	B
Cylohexanone	C6H10O	Crude Rubber, Waxes, Fats, Shellac		B
Cyclohexane	C6H10		Aromatic Hydrocarbon	A
Dead Animals	See Putrescine, H2S		Amine, Sulfur Bearing	E
Decane	C10H12O3	Component of Natural Gas	Alkane	A
Decaying Substances				B
Deodorants				B
Dexhyzalone	C18H28N2O4H	CNS Stimulant	Pharmaceutical	B
Dibromomethane, Methylene Bromide	CH2Br2		Halide	D
Dichlorobenzene	C6H4Cl2	Insecticide	Chlorinated Hydrocarbon	D
Dichloromethane Methylene Chloride	CH2Cl2	Solvent Paint Removers, Food Processing		A
Dichloroethylene	CH2=CCl2			B
Dichloroethyl Ether	[ClCH2CH2]2O2	Soil Fumigant, Solvent		A
Dichloromonofluoromethane				A
Dichloropropane, Propylene Dichloride	CH3CHClCH2Cl	Oil, Fat Solvent, Degreaser, Dry Cleaning		B
Dichlorosialne	SiH2Cl2	Water Semi Fab	Acid	A
Diesel Fumes	Sulfur, Aldehydes, VOC			D
Diethylamine	(C2H5)2NH	Flotation, Pharmaceuticals, Dyes	Amine	E
Diethyl Ketone, 3-Pentanone	CH3CH2COCH2CH3			A
Dimethylaniline	C10H15N	Dyestuff	Amine	E
Dimethylsulfate	C2H6O4S	Methylating Agent, War Gas	Corrosive	B
Diocyl Phthalate	C24H38O4	Vinyl Products, PCB Replacement		A
Dioxane	C4H9O2	In Chlorinated Solvents		A
Disilane	Si2H6	Water Semi Fab	Hydride	A
Dipropyl Ketone	CH3CH2CH2COOCH2CH2CH3			A
Disinfectants, General				B
Embalming Odors	See Formaldehyde			C

Contamination List

Chemical	Formula	Common Source	Chemical Type	Media
Ethane	CH ₃ CH ₃	Refrigerant, Bottled Gas	Hydrocarbon	A
Ethanol, Ethyl Alcohol	CH ₂ CH ₂ OH	Alcohol Beverages, Octane Booster	Alcohol	B
Ether, Ethyl Ether	C ₂ H ₅ OC ₂ H ₅	Solvent, Gun Powder, Starting Fluid		A
Ethyl Acetate	CH ₃ COOC ₂ H ₅	Flavorings, Perfumes, Film, Nail Salons		A
Ethyl Acrylate	CH ₂ =CHCOOCH ₂ CH ₃	Water Bases Paints		B
Ethel Alcohol	See Ethanol			A
Ethylamine	C ₂ H ₅ NH ₂	Rubber/Latex, Oil Refining	Amine	E
Ethylbenzene	C ₆ H ₅ NH ₂	Styrene Monomer		A
Ethyl Bromide, Bromoethane	CH ₃ CH ₂ Br	Refrigerent	Halide	D
Ethyl Chloride, Chloroethane	C ₂ H ₅ Cl	Solvent, Refrigerent	Chlorinated Hydrocarbon	A
Ethyl cyanoacrylate	C ₆ H ₇ NO ₂	Nail Salons, Superglue		A
Ethyl Ether	C ₂ H ₅ OC ₂ H ₅	Solvent, Starting Fluid, Nail Salons		A
Ethyl Formate	HCOOC ₂ H ₅	Lemonade Flavoring, Food Fungicide	Ester	B
Ethyl Mercaptans				B
Ethyl Methacrylate	H ₂ C=C(CH ₃)CO ₂ C ₂ H ₅	Adhesives, Nail Salons	Monomer	B
Ethyl Silicate	Si(OC ₂ H ₅) ₄	Waterproofing, Stone Hardening		B
Ethylene	CH ₂ =CH ₂	Fruit Ripening Accelerator		C
Ethylene Chlorohydrin	C ₂ H ₄ Cl ₂	Insecticide Manufacturing		A
Ethylene Dichloride, Dichloroethane	C ₂ H ₄ Cl ₂	Solvent, Fumigant		D
Ethylene Oxide	C ₂ H ₄ O	Explosive, Bomb Detection		C
Eucalyptol	C ₁₀ H ₁₈ O	Pharmaceutical Flavoring		A
Exhaust Fumes, Automotive	CO ₂ , SO ₂ , H ₂ S, Aldehydes			D
Film Processing Odors				B
Fish Odors	Sulfur + Nitrogen Compounds			E
Flesinacin	C ₁₇ H ₁₈ F ₂ N ₄ O ₃	Antibacterial		A
Fluorine	F ₂	Water Semi Fab	Oxidizer	D
Fluorotrchloromethane	CCl ₃ F	Refrigerent, Propellant		A
Food Aromas				A
Formaldehyde	HCHO	Combustion product, Smog, Preservative		C
Formic Acid	HCOOH	Silage additive, Leather Tanning	Organic acid	D
Garlic Odor - Allicin	C ₆ H ₁₀ OS ₂	Seasoning	Chemox / Carbon	B
Gasoline	VOC, BETX			A
Germane	GeH ₄	Water Semi Fab	Hydride	A
Germanium Tetrachloride	GeCl ₄	Water Semi Fab	Halide	A
Germanium Tetrafluoride	GeF ₄	Water Semi Fab	Halide	A
Helium	He		Inert Gas	A
Heptane	C ₇ H ₁₆		Hydrocarbon	A
Heptalene	C ₁₂ H ₁₀		Hydrocarbon	A
Hexane	C ₆ H ₁₄			A
Hexamethyl Disilane (HMDS)	C ₆ H ₁₈ Si ₂	Water Semi Fab	Organic Solvent	A
Hexylene, Hexene	C ₆ H ₁₂			A
1-Hexyn-1-Amine	C ₆ H ₁₁ N			A
Hospital Odors & Smells	Various, Disinfectants, Body		Occupied Space Door	B
Hydrazine	H ₂ NNH ₂	Agricultural Chemicals, Rocket Fuel	Amine	E
Hydrogen Bromide	HBr	Water Semi Fab	Mineral Acid	D
hydrogen Chloride-Hydrochloric Acid	HCl	Water Semi Fab	Mineral Acid	D
Hydrogen Fluoride	HF	Water Semi Fab	Mineral Acid	D
Hydrogen Iodine	HI		Mineral Acid	D
Hydrogen Selenide	H ₂ Se	Water Semi Fab	Mineral Acid	D
Hydrogen Sulfide	H ₂ S	Water Semi Fab	Acid as H ₂ SO ₄	D
Hydrogen Telluride	H ₂ Te	Water semi Fab	Acid	D
Hydroquinone, Melamine	C ₃ H ₆ N ₆	Nail Salons	Amine	E
Incense	Perfumes			B

Contamination List

Chemical	Formula	Common Source	Chemical Type	Media
Indole	C ₈ H ₇ N	Fecal, Perfumery		B
Iodine	I ₂			A
Iodoform	CHI ₃	Antiseptic	Halogenated Alkane	A
Isophorone	C ₉ H ₁₄ O	Solvent in Printing ink, Adhesives	Alcohol	A
Isoprene	C ₅ H ₈	Mfg. "synthetic" natural rubber		A
Isopropyl Acetate	CH ₃ COOHCH(CH ₃) ₂	Solvent in Plastics, Oils, Fats, Perfumery		A
Isopropyl Alcohol (isopropanol) (IPA)	C ₃ H ₈ O		Organic Solvent, Alcohol	A
Isopropyl Ether	(CH ₃) ₂ CHOCH(CH ₃) ₂	Solvent, Fuel Additive		A
Kerosene	Petroleum Hydrocarbons			A
Kitchen Odors	Greases, H ₂ S	Drains, Grease pits, Food Preparation		B
Liquid Fuels	Petroleum Hydrocarbons			A
Lubricating Oils & Greases	Petroleum Hydrocarbons, S			A
Lycopodium	Moss Spores	Pill Covering	Organic	A
Medicinal Odors				B
Methacrylic Acid	CH ₂ CCH ₃ COOH	Nail Salons, Plexiglas Mfg.	Monomer	D
Menthol	C ₁₀ H ₂₀ O	Confectionary, Perfumery, Cigarettes	Alcohol	B
Mercaptans (Methyl, Ethyl, Propyl)	See Specific Type			D
Methane	CH ₄	Landfill gas, Mfg. of NH ₃ , Formaldehyde	Hydrocarbon	B
Methanol (Methyl Alcohol)	CH ₃ OH	Solvent, Gas Additive, Pharmaceuticals	Alcohol	A
Methyl Acetate	CH ₃ COOCH ₃	Solvent, Mfg. Synthetic Leather		B
Methyl Acrylate	CH ₂ =CHOOCH ₃	Plastic Films, Resins, Paper Coatings	Organic Acid, Polymer	B
Methylamine	CH ₃ NH ₂	Leather Tanning, Organic Synthesis	Amine	E
Methyl Bromide	CH ₃ Br	Biomass Burning, Oils Extraction	Halide	D
Methyl Butyl Ketone, 2-Heptanone	CH ₃ COC ₄ H ₉		Ketone	A
Methyl Cellosolve	HOCH ₂ CH ₂ OH	Solvent, Nail Polish, Varnishes & Paints	Alcohol	B
Methyl Cellosolve Acetate	CH ₃ OCH ₂ CH ₂ OOCCH ₃	Industrial Solvent	Alcohol	B
Methyl Chloride, Chloromethane	CH ₃ Cl	Refrigerant	Halide	D
Methylchloroform, 1, 1, 1-Trichloroethane	CH ₃ CCl ₃	Cold Metal Cleaners, Plastic Mold Cleaner	Halide	D
Methylene Chloride, Dichloromethane	CH ₂ Cl ₂	Paint Remover, Pharmaceuticals, Food	Halide	D
Methyl Disulfide	See Dimethyl Disulfide			D
Methyl Ethyl Ether	CH ₃ CH ₂ OCH ₃		Ether	A
Methyl Ethyl Ketone, MEK, 2-Butanone	CH ₃ COOCH ₂ CH ₃	Solvent, Mfg. Smokeless Powder	Ketone	B
Methyl Formate	HCOOCH ₃	Fumigant, Larvicide for Tobacco & Food Stuff	Organic Acid	A
Methyl Ethyl Ketone, Isopropyl Acetone	CH ₃ COCH ₂ CH(CH ₃) ₂	Solvent	Ketone	A
Methyl Isopropyl Ketone (MIPK)	(CH ₃) ₂ CHCOCH ₃	Solvent	Ketone	A
Methyl Mercaptan, Methanethiol	CH ₃ SH	Jet Fuel Additives, Fungicides, Sour Gas		D
Methylcyclohexane	C ₇ H ₁₄		Hydrocarbon	A
Methylcyclohexanol	CH ₃ C ₆ H ₁₁ OH		Alcohol	A
Methyl Sulfide	(CH ₃) ₂ S	Solvent For Mineral Salts		D
Methyltrichlorosilane	CH ₃ SiCl ₃	Water Semi Fab	Acid	D
Methyl Vinyl Ketone	CH ₃ COCH=CH ₂	Plastics Manufacturing, Synthesis Vitamin A	Ketone	B
Mildew, Mold Odors				B
Moth Balls	See Napthalene		Aromatic Hydrocarbon	B
Naphtha, Petroleum Naphtha	Low Boiling Hydrocarbon Mix	Pharmaceutical Solvent, Industrial Solvent		B
Napthalene	C ₁₀ H ₈	Moth Repellant, Insecticide	Aromatic Hydrocarbon	B
Nicotene	C ₁₀ H ₁₄ N ₂	Cigarette Smoke, Insecticide	Amine	B
Nicotinic Acid	C ₅ NH ₄ COOOH	Pharmaceutical	Organic Acid	D
Nitric Acid	HNO ₃	Fertilizer, Mfg. many Organic Nitrates	Mineral Acid	D
Nitric Oxide	NO	Bleaching Agent for Rayon, Air Pollution as Nox		A
Nitrobenzene	C ₆ H ₅ NO ₂	Soaps, Shoe Polishes		B

Contamination List

Chemical	Formula	Common Source	Chemical Type	Media
Nitroethane	CH ₃ CH ₂ NO ₂	Solvent, Propellant		B
Nitrogen	N ₂		Inert Gas	A
Nitrogen Dioxide	NO ₂	Air Pollution, Nitration Component		B
Nitrogen Oxides	Nox	Air Pollution, Coal Fired Power Plants		B
Nitrogen Trifluoride	NF ₃	Water Semi Fab	Oxidizer	A
Nitromethane	CH ₃ NO ₂	Explosives, Used in Coating Industry		A
Nitropropane, 1	CH ₃ CH ₂ CH ₂ NO ₂	Solvent, Propellant		B
Nitrous Oxide	N ₂ O	Whipped Cream, Analgesic	Oxidizer	A
Nonane	C ₉ H ₂₀	Component of Fuel	Alkane, Hydrocarbon	A
Octalene, Aldrin	C ₁₂ H ₈ Cl ₆	Pesticide	Halide	A
Octane	CH ₃ (CH ₂) ₆ CH ₃	Petroleum	Alkane	A
Oxygen	O ₂		Oxidizer	A
Onion (Oil)	Bisulfide, Sulfoxide, Sulfenic	Crushed Onion Seeds		B
Organic Chemicals				A
Ozone	O ₃	Copiers, Air Pollution	Oxidizer	A
Packing House Odors				B
Paint Odors	Various Solvents, Binders			A
Palmitric Acid	CH ₃ (CH ₂) ₁₄ COOH	Oils & Fats, Palm Oil, Chinese Vegetable Tallow	Organic Acid	D
Paste & Glues				A
Pentane	CH ₃ (CH ₂) ₂ CH=CH ₃	Natural Gas	Alkane, Hydrocarbon	A
Pentanone -2, Methyl Propyl Ketone	CH ₃ CH ₂ CH ₂ COCH ₃	Solvent	Ketone	B
Pentanone -3, Diethyl Ketone	CH ₃ CH ₂ COCH ₂ CH ₃		Ketone	B
Pentalene				B
Perchloroethylene, Tetrachloroethylene	C ₂ Cl ₄	Dry Cleaning Solvent, Electrical Transformers	Chlorinated Hydrocarbon	B
Perfumes				B
Perspiration				B
Pet Odors	Urine			E
Phenol, Carboic Acid	C ₆ H ₆ O	Antiseptic, Dyes	Caustic in Nature, Organic Acid	D
Phosgene	Cl ₂ C=O	War Gas, Preparation of many Chemicals		B
Phosphine	PH ₃	Water Semi Fab	Hydride	B
Phosphorous Oxychloride (POCL)	POCl ₃	Water Semi Fab	Acid	D
Phosphorous Pentachloride	PCl ₅	Water Semi Fab	Acid	D
Phosphorous Pentafluoride	PF ₅	Water Semi Fab	Acid	D
Phosphorous Trichloride	PCl ₃	Water Semi Fab	Acid	D
Phosphorous Trifluoride	PF ₃	Water Semi Fab	Acid	D
Pitch				B
Plastics	See Styrene			B
Popcorn				B
Poultry Odors				B
Propane	CH ₃ CH ₂ CH ₃	Fuel Gas, Refrigerant	Alkane, Hydrocarbon	A
Propanol-2 (Isopropyl Alcohol)	CH ₃ CHOHCH ₃	Antiseptic, Solvent, Pharmaceutical Solvent	Alcohol	A
Propionaldehyde, Propanal	CH ₃ CH ₂ CHO		Aldehyde	B
Propionic Acid	CH ₃ CH ₂ COOH	Mold Inhibitors, Base for Flavoring, Perfumes	Organic Acid	D
Propyl Acetate	CH ₃ COOCH ₂ CH ₂ CH ₃	Mfg. Flavorings, Perfumes, Solvent	Organic Acid	D
Propyl Chloride	CH ₃ CH ₂ CH ₂ Cl		Halide	A
Propylene	H ₂ C=CHCH ₃	Plastics, Carpet Fibers	Hydrocarbon	A
Propyl Ether	C ₃ H ₇ OC ₃ H ₇		Alkene	B
Propyl Mercaptan	CH ₃ CH ₂ CH ₂ SH	Artificial Odorant	Mercaptan	D
Propyne	H ₃ CC=CH		Alkynes	B
Putrescine	NH ₂ (CH ₂) ₄ NH ₂	Decaying Flesh	Amine	E
Pyridine	C ₅ H ₅ N			E
Rancid Oils				D

Contamination List

Chemical	Formula	Common Source	Chemical Type	Media
Resins				B
Ripening Fruits	See Ethylene			C
Sewer Odors	H ₂ S			D
Silane	SiH ₄	Water Semi Fab	Hydride	A
Silicon Tetrachloride	SiCl ₄	Water Semi Fab	Acid	D
Silicon Tetrafluoride	SiF ₄	Water Semi Fab	Acid	D
Skatole	C ₉ H ₉ N	Feces, Coal Tar		B
Slaughterhouse Odors				B
Smog	O ₃ , NO _x , SO _x , Hydrocarbons			B
Soap Smells	Perfumes			B
Smoke	Aldehydes, Sulfur			B
Solvents				A
Sour Milk				B
Spoiled Foodstuffs	H ₂ S, Aldehydes, Organics	Anaerobic Bacteria		B
Stale Odors				A
Stibine, Antimony hydride	SbH ₃	Fumigating Agent, Pharmaceutical		A
Stoddard Solvent, Mineral Spirits	Various Hydrocarbons	Solvent for Paints & Similar	Petroleum Hydrocarbon	A
Stuffiness	Body Odors, Mold			B
Styrene	C ₆ H ₅ CH=CH ₂	Mfg. Plastics, Resins, Synthetic Rubber		A
Sulfur Dioxide (SO ₂)	SO ₂	Vehicle Exhaust, Coal Fired Power Plants		D
Sulfuric Acid	H ₂ SO ₄		Mineral Acid	D
Sulfur Hexafluoride	SF ₆	Electrical Circuit Interrupter, Circuit Board Mfg.	Halide	B
Sulfur Trioxide	SO ₃	Explosive Manufacturing		A
Tar, Roofing Materials	VOC, Sulfur			D
Tertiarybutyl Arsine (TBA)	(CH ₃)AsH ₂	Water Semi Fab	Organic Arsenate	A
Tertiarybutyl Phosphine (TBP)	(CH ₃)PH ₂	Water Semi Fab	Organic Phosphate	A
Tetrachloroethane	Cl ₂ CHCHCl ₂	Nonflammable Solvent	Chlorinated Hydrocarbon	A
Tetrachloroethylene (PERC)	C ₂ Cl ₄	Water Semi Fab	Chlorinated Hydrocarbon	A
Tetrachlorodifluoroethane (Freon 112)	C ₂ Cl ₄ F ₂	Water Semi Fab	Chlorofluorocarbon	A
Tetraethyl Orthosilicate (TEOS)	Si ₄ O ₂ (C ₂ H ₅) ₄	Water Semi Fab	Organic Silicate	A
Tobacco Smoke, ETS	Aldehydes, Sulfur, VOC			B
Toilet Odors				B
Toluene	C ₇ H ₈	Solvent, Paints, Gasoline	Organic Solvent	A
Toluene 2,4-Diisocyanate	C ₉ H ₆ N ₂ O ₂	Mfg. Polyurethane Foams		B
Toluidine	C ₇ H ₉ N	Printing Dye - Blue Black	Amine	E
Trichloroethylene	CCl=CHCl	Solvent for Waxes, Fats	Halide	A
Trichloroethane-2, 2, 2	CH ₂ ClCHCl ₂	Solvent for Waxes, Fats	Halide	A
Trichlorofluoromethane	CClF ₃	Water Semi Fab	Chlorofluorocarbon	A
Trichlorotrifluoroethane	C ₂ Cl ₃ F ₃	Water Semi Fab	Chlorofluorocarbon	B
Triethoxyarsine (TEAO)	As(OC ₂ H ₅) ₃	Water Semi Fab	Organic Arsenate	B
Triethoxyborane	B(OC ₂ H ₅) ₃	Water Semi Fab	Organic Borate	B
Triethylamine	(C ₂ H ₅) ₃ N	Fungicides, Corrosion Inhibitor, Cleaning Compounds	Amine	E
Trifluoroethane, Freon 23	CF ₃ H	Refrigerant, Nail Salons, Fire Extinguishers		A
Trimethylamine	(CH ₃) ₃ N	NG Odorant, Insect Attractant, Plant & Fish Decay	Amine	E
Triethylxyborane (TMB)	B(OC ₂ H ₃) ₃	Water Semi Fab	Organic Borate	B
Trimethyl Orthophosphate	PO(OCH ₃) ₃	Water Semi Fab	Organic Phosphate	B
Trichloro-1, 1, 1-ethane (TMA)	CH ₃ CCl ₃	Water Semi Fab	Halide	A
Trichlorosilane	SiHCl ₃	Water Semi Fab	Acid	D
Trichloroethylene	C ₂ Cl ₃ H	Water Semi Fab	Halide	A
Tungsten Hexafluoride	WF ₆	Water Semi Fab	Acid	D
Turpentine	Pine	Polishes, Insecticide, Antiseptic		A
Urea	H ₂ NCONH ₂	Fertilizer, Animal Feeds, Mfg. Resins	Amine	E
Uric Acid	C ₅ H ₄ N ₄ O ₃	Urine	Organic Acid	D
Valeric Acid	CH ₃ (CH ₂) ₃ COOH	Perfume Mfg.	Organic Acid	D

Contamination List

Chemical	Formula	Common Source	Chemical Type	Media
Valeric Aldehyde, Pentanal	CH ₃ (CH ₂) ₃ CHO	Flavoring	Aldehyde	B
Varnish Fumes	VOC, Acetates			A
Vinegar, Acetic Acid	HC ₂ H ₃ O ₂	Mfg. Synthetic Textile Fibers: Vinyl Acetate	Organic Acid	D
Vinyl Chloride	CH ₂ =CHCl	Plastics, Refrigerant	Polymer	B
Waste Bin Odors	H ₂ S, Hydrocarbons			B
Xylene	C ₈ H ₁₀	Solvent, Water Semi Fab	Alkene	A

Additional Notes:

