

US EPA ARCHIVE DOCUMENT

Indoor Air VOC and PCB Results - August 2010
Building 50, 52, Corridor GSA- Kansas City

Chemical	Indoor Air Screening Level (ug/m3)	Maximum Concentration (ug/m3)		
		Building 50	Corridor	Building 52
Volatile Organic Compounds				
Acetone	10,862	bsl	bsl	bsl
Acetonitrile	21	bsl	bsl	bsl
Acrolein	0.007	*	*	*
Acrylonitrile	0.144	ND	ND	ND
Benzene	1	bsl	bsl	bsl
Benzyl Chloride	0.20	ND	ND	ND
Bromodichloromethane	0.27	ND	ND	ND
Bromoform	9	ND	ND	ND
Bromomethane	2	ND	ND	bsl
1,3-Butadiene	0.33	ND	ND	ND
n-Butane2	245	bsl	bsl	bsl
2-Butanone (MEK)	1,752	bsl	bsl	bsl
Carbon Disulfide	245	bsl	bsl	bsl
Carbon Tetrachloride	2	bsl	bsl	bsl
Chlorobenzene	18	ND	ND	ND
Chlorodifluoromethane	17,520	bsl	bsl	bsl
Chloroethane (ethyl chloride)	3,504	ND	bsl	bsl
Chloroform	0.43	bsl	bsl	bsl
Chloromethane	32	bsl	bsl	bsl
3-Chloropropene (allyl chloride)	0.35	ND	ND	ND
Cumene	2,102	ND	ND	ND
Cyclohexane	140	bsl	bsl	bsl
n-Decane2	245	bsl	bsl	bsl
Dibromochloromethane	0.363	ND	ND	ND
1,2-Dibromoethane (EDB)	0.016	ND	ND	ND
Dibromomethane (methylene bromide)	1	ND	ND	ND
1,2-Dichlorobenzene	70	ND	ND	ND
1,3-Dichlorobenzene2	1	ND	ND	ND
1,4-Dichlorobenzene	1	bsl	bsl	bsl
Dichlorodifluoromethane	70	bsl	bsl	bsl
1,1-Dichloroethane	6	ND	ND	ND
1,2-Dichloroethane	0.38	0.46	bsl	bsl
1,1-Dichloroethylene	841	ND	ND	ND
cis-1,2-Dichloroethylene2	21	ND	ND	ND
trans-1,2-Dichloroethylene	21	ND	ND	ND

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1,2-Dichloropropane	1	ND	ND	ND
cis-1,3-Dichloropropene	2	ND	ND	ND
trans-1,3-Dichloropropene	2	ND	ND	ND
1,2-Dichloro-1,1,2,2-Tetrafluoroethane2	10,512	bsl	bsl	bsl
n-Dodecane2	245	bsl	bsl	bsl
Ethylbenzene	4	bsl	bsl	bsl
Ethyl Ether	-	ND	ND	ND
n-Heptane2	245	bsl	bsl	bsl
Hexachlorobutadiene	0.45	ND	ND	ND
n-Hexane	245	bsl	bsl	bsl
2-Hexanone	11	bsl	bsl	bsl
Methylene Chloride	21	bsl	bsl	bsl
4-Methyl-2-Pentanone (MIBK)	1,051	bsl	bsl	bsl
Alpha-Methylstyrene	14	ND	ND	bsl
Methyl Tert-Butyl Ether	38	ND	ND	ND
Naphthalene	0.29	1.3	0.64	0.3
Nonane	70	bsl	bsl	bsl
n-Octane2	245	bsl	bsl	bsl
Pentane	350	bsl	bsl	bsl
n-Propylbenzene	350	bsl	bsl	ND
Styrene	350	bsl	bsl	bsl
1,1,2,2-Tetrachloroethane	0.17	ND	ND	ND
Tetrachloroethylene	2	bsl	2.6	3.2
Toluene	1,752	bsl	bsl	bsl
1,2,4-Trichlorobenzene	1	ND	ND	ND
1,1,1-Trichloroethane	1,752	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
Trichloroethylene	4	bsl	bsl	bsl
Trichlorofluoromethane	245	bsl	bsl	bsl
1,1,2-Trichloro-1,2,2-Trifluoroethane	10,512	bsl	bsl	bsl
1,2,4-Trimethylbenzene	2	bsl	bsl	bsl
1,3,5-Trimethylbenzene2	3	bsl	bsl	bsl
n-Undecane2	245	bsl	bsl	bsl
Vinyl Acetate	70	ND	ND	ND
Vinyl Chloride	0.22	ND	ND	ND
m-Xylene & p- Xylene	35	bsl	bsl	bsl
o-Xylene	35	bsl	bsl	bsl
Dioxin-like PCBs				
PCB 77	0.00258	bsl	bsl	bsl

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PCB 81	0.000861	bsl	ND	ND
PCB 105	0.00861	bsl	bsl	bsl
PCB 114	0.00861	bsl	bsl	bsl
PCB 118	0.00861	bsl	bsl	bsl
PCB 123	0.00861	bsl	bsl	ND
PCB 126	0.00000258	0.000035	ND	ND
PCB 156 & 157	0.00861	bsl	bsl	bsl
PCB 167	0.00861	bsl	ND	ND
PCB 169	0.00000861	ND	ND	ND
PCB 189	0.00861	bsl	ND	ND
Non- Dioxin -like PCBs (Total)¹	0.0172	0.127014276	bsl	bsl

ND: Not Detected

bsl: Below Screening Level.

* Unreliable results due to analytical uncertainty

¹ Maximum detection for non-dioxin-like PCBs represents a maximum total concentration for all non-dioxin-like congeners.