

US EPA ARCHIVE DOCUMENT

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

Chemical	Sub-Slab Air Screening Level (ug/m3)	Maximum Concentration (ug/m3)		
		Building 50	Building 52	Corridor
Volatile Organic Compounds				
Acetone	108624	bsl	bsl	bsl
Acetonitrile	210.24	bsl	ND	ND
Acrolein	0.07	*	*	*
Acrylonitrile	1.44	ND	ND	ND
Benzene	12.58	bsl	bsl	bsl
Benzyl Chloride	2.00	ND	ND	ND
Bromodichloromethane	2.70	ND	ND	ND
Bromoform	89.19	ND	ND	ND
Bromomethane	17.52	ND	ND	ND
1,3-Butadiene	3.27	ND	ND	ND
n-Butane2	2450	bsl	bsl	bsl
2-Butanone (MEK)	17520	bsl	bsl	ND
Carbon Disulfide	2452.80	bsl	bsl	bsl
Carbon Tetrachloride	16.35	bsl	ND	ND
Chlorobenzene	175.20	bsl	ND	ND
Chlorodifluoromethane	175200	bsl	bsl	bsl
Chloroethane (ethyl chloride)	35040	ND	ND	ND
Chloroform	4.27	7.1	10	22
Chloromethane	315.36	bsl	ND	bsl
3-Chloropropene (allyl chloride)	3.50	ND	ND	ND
Cumene	21024	ND	bsl	ND
Cyclohexane	1401.60	bsl	ND	ND
n-Decane2	2450.00	bsl	bsl	ND
Dibromochloromethane	3.63	ND	ND	ND
1,2-Dibromoethane (EDB)	0.16	ND	ND	ND
Dibromomethane (methylene bromide)	14.02	ND	ND	ND
1,2-Dichlorobenzene	700.80	ND	ND	ND
1,3-Dichlorobenzene2	8.92	ND	ND	ND
1,4-Dichlorobenzene	8.92	24	13	11
Dichlorodifluoromethane	700.80	bsl	bsl	bsl
1,1-Dichloroethane	61.32	ND	ND	ND
1,2-Dichloroethane	3.77	bsl	bsl	ND
1,1-Dichloroethylene	8409.60	ND	ND	ND
cis-1,2-Dichloroethylene2	210.00	ND	ND	ND
trans-1,2-Dichloroethylene	210.24	ND	ND	ND
1,2-Dichloropropane	9.81	ND	ND	ND

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cis-1,3-Dichloropropene	24.53	ND	ND	ND
trans-1,3-Dichloropropene	16.35	ND	ND	ND
1,2-Dichloro-1,1,2,2-Tetrafluoroethane2	105120	ND	ND	ND
n-Dodecane2	2450	bsl	ND	ND
Ethylbenzene	39.24	bsl	bsl	bsl
Ethyl Ether	-	ND	ND	ND
n-Heptane2	2450	bsl	bsl	bsl
Hexachlorobutadiene	4.46	ND	ND	ND
n-Hexane	2453	bsl	bsl	bsl
2-Hexanone	105.12	bsl	ND	ND
Methylene Chloride	208.75	bsl	bsl	bsl
4-Methyl-2-Pentanone (MIBK)	10512	bsl	bsl	ND
Alpha-Methylstyrene	140.16	ND	ND	ND
Methyl Tert-Butyl Ether	377.35	ND	ND	ND
Naphthalene	2.89	3.2	ND	ND
Nonane	701	bsl	bsl	bsl
n-Octane2	2450	bsl	bsl	ND
Pentane	3504	bsl	bsl	bsl
n-Propylbenzene	3504	bsl	ND	ND
Styrene	3504	bsl	bsl	ND
1,1,2,2-Tetrachloroethane	1.69	ND	ND	ND
Tetrachloroethylene	16.63	bsl	bsl	bsl
Toluene	17520	bsl	bsl	bsl
1,2,4-Trichlorobenzene	7.01	ND	ND	ND
1,1,1-Trichloroethane	17520	ND	ND	ND
1,1,2-Trichloroethane	6.13	bsl	ND	ND
Trichloroethylene	35.04	120	bsl	bsl
Trichlorofluoromethane	2452.80	bsl	bsl	bsl
1,1,2-Trichloro-1,2,2-Trifluoroethane	105120	bsl	ND	ND
1,2,4-Trimethylbenzene	24.53	bsl	bsl	bsl
1,3,5-Trimethylbenzene2	25.00	bsl	bsl	ND
n-Undecane2	2450	bsl	bsl	ND
Vinyl Acetate	700.80	ND	ND	ND
Vinyl Chloride	2.20	ND	ND	ND
m-Xylene & p- Xylene	350.40	bsl	bsl	bsl
o-Xylene	350.40	bsl	bsl	bsl
Dioxin-like PCBs				
PCB 77	0.02580	ND	ND	ND
PCB 81	0.00861	ND	ND	ND
PCB 105	0.08610	bsl	bsl	bsl

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PCB 114	0.08610	ND	ND	ND
PCB 118	0.08610	bsl	bsl	bsl
PCB 123	0.08610	ND	ND	ND
PCB 126	0.00003	ND	ND	ND
PCB 156 & 157	0.08610	bsl	bsl	bsl
PCB 167	0.08610	ND	ND	ND
PCB 169	0.00009	ND	ND	ND
PCB 189	0.08610	ND	ND	ND
Non- Dioxin -like PCBs (Total)¹	0.17000	bsl	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.