Ohio EPA confirmation sample data - VOCs

Compound	Sampling site DOE verification sample site #	VSS 039		VSS 040			VSS 041			VSS 042		VSS 044	VSS 045	VSS 046			VSS 047		VSS 048		VSS 049	VSS 050		
	OEPA sample number	000017	000017DL	000030DL1	000030DL2	000030DL3	000031	000031DL1	000031DL2	000032	000032DL	000018	000019	000029	000029DL1	000029DL2	000028	000028DL	000006	000006DL	000020	000024	000024DL1	000024DL2
	Sampling date	11/29/2005	11/29/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/29/2005	11/29/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/29/2005	11/29/2005	11/29/2005	11/30/2005	11/30/2005	11/30/2005
1,1,1-Trichloroethane		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
1,1,2,2-Tetrachloroethane		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
1,1,2-Trichloroethane		6.	30.	55.	28,000.	280,000.	1.7	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	3.3	710.	5,700.
1,1-Dichloroethane		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
1,1-Dichloroethene (-ethylene)		6.	30.	100.	28,000.	280,000.	2.2	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
1,2-Dichloroethane		6.	30.	55.	28,000.	280,000.	9.2	700.	5,600.	5.5	55.	5.5	5.3	11.	710.	5,700.	5.7	690.	7.9	79.	5.3	8.7	710.	5,700.
1,2-Dichloropropane		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
2-Butanone (Methyl ethyl ketone)		12.	60.	110.	55,000.	550,000.	11.	1,700.	11,000.	11.	110.	11.	11.	11.	1,400.	11,000.	11.	1,400.	16.	160.	11.	11.	1,400.	11,000.
2-Hexanone		12.	60.	110.	55,000.	550,000.	11.	1,700.	11,000.	11.	110.	11.	11.	11.	1,400.	11,000.	11.	1,400.	16.	160.	11.	11.	1,400.	11,000.
4-Methyl-2-Pentanone		12.	60.	110.	55,000.	550,000.	55.	1,700.	11,000.	11.	110.	11.	11.	11.	1,400.	11,000.	11.	1,400.	16.	160.	11.	11.	1,400.	11,000.
Acetone		12.	60.	110.	55,000.	550,000.	11.	1,700.	11,000.	11.	110.	11.	11.	11.	1,400.	11,000.	11.	1,400.	16.	160.	11.	11.	1,400.	11,000.
Benzene		6.	30.	2,400.	28,000.	280,000.	36.	700.	5,600.	5.5	55.	5.5	5.3	25.	710.	5,700.	1.4	690.	3.	79.	5.3	28.	710.	5,700.
Bromodichloromethane		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
Bromoform		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
Bromomethane		12.	60.	110.	55,000.	550,000.	11.	1,700.	11,000.	11.	110.	11.	11.	11.	1,400.	11,000.	11.	1,400.	16.	160.	11.	11.	1,400.	11,000.
Carbon Disulfide		6.	30.	55.	28,000.	280,000.	6.2	700.	5,600.	5.5	55.	5.5	5.3	19.	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
Carbon Tetrachloride		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
Chlorobenzene		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
Chloroethane		12.	60.	110.	55,000.	550,000.	11.	1,700.	11,000.	11.	110.	11.	11.	11.	1,400.	11,000.	11.	1,400.	16.	160.	11.	11.	1,400.	11,000.
Chloroform		6.2	30.	29,000.	53,000.	280,000.	91.	700.	5,600.	48.	53.	9.	10.	240.	710.	5,700.	120.	690.	160.	190.	6.4	1,200.	970.	4,200.
Chloromethane		12.	60.	110.	55,000.	550,000.	11.	1,700.	11,000.	11.	110.	11.	11.	11.	1,400.	11,000.	11.	1,400.	16.	160.	11.	11.	1,400.	11,000.
Dibromochloromethane		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
Ethylbenzene		6.	30.	11,000.	9,600.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	31.	710.	5,700.
Methylene Chloride		12.	60.	110.	55,000.	550,000.	16.	1,700.	11,000.	11.	110.	11.	11.	46.	1,400.	5,700.	11.	1,400.	11.	160.	11.	36.	1,400.	11,000.
Styrene		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
Tetrachloroethene (-ethylene)		20.	30.	33,000.	230,000.	280,000.	62.	1,300.	5,600.	7.2	55.	5.5	5.3	120.	4,700.	6,000.	130.	1,500.	7.6	79.	1.7	700.	7,200.	7,000.
Toluene		6.	30.	170,000.	3,700,000.	3,800,000.	2,400.	50,000.	46,000.	170.	120.	110.	24.	2,200.	29,000.	30,000.	540.	3,800.	470.	1,200.	30.	4,900.	90,000.	84,000.
Trichloroethene (-ethylene)		460.	590.	260,000.	4,800,000.	5,400,000.	4,800.	120,000.	120,000.	1,100.	760.	230.	260.	4,900.	70,000.	72,000.	2,800.	7,800.	2,400.	4,500.	120.	6,600.	85,000.	80,000.
Vinyl Chloride		12.	60.	110.	55,000.	550,000.	48.	1,700.	11,000.	11.	110.	11.	11.	31.	1,400.	11,000.	11.	1,400.	16.	160.	11.	11.	1,400.	11,000.
cis-1,3-Dichloropropene (-propylene)		80.	100.	19,000.	26,000.	280,000.	4,700.	8,800.	8,600.	37.	27.	4.7	6.1	1,300.	2,200.	2,800.	120.	690.	190.	210.	2.4	1,500.	520.	5,700.
Dibromomethane		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.
m,p-Xylene		6.	30.	17,000.	25,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	54.	550.	5,700.
o-Xylene		6.	30.	8,500.	7,500.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	1.8	690.	7.9	79.	5.3	25.	300.	5,700.
trans-1,2-Dichloroethene		6.	30.	55.	28,000.	280,000.	55.	700.	5,600.	5.5	55.	5.5	5.3	24.	710.	5,700.	5.7	690.	7.9	79.	5.3	7.4	710.	5,700.
trans-1,3-Dichloropropene (-propylene)		6.	30.	55.	28,000.	280,000.	5.6	700.	5,600.	5.5	55.	5.5	5.3	5.7	710.	5,700.	5.7	690.	7.9	79.	5.3	5.7	710.	5,700.

Ohio EPA confirmation sample data - VOCs
detections only

Compound	Sampling site DOE verification sample site #	VSS 039		VSS 040			VSS 041			VSS 042		VSS 044	VSS 045	VSS 046			VSS 047		VSS 048		VSS 049	VSS 050		
	OEPA sample number	000017	000017DL	000030DL1	000030DL2	000030DL3	000031	000031DL1	000031DL2	000032	000032DL	000018	000019	000029	000029DL1	000029DL2	000028	000028DL	000006	000006DL	000020	000024	000024DL1	000024DL2
	Sampling date	11/29/2005	11/29/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/29/2005	11/29/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/29/2005	11/29/2005	11/29/2005	11/30/2005	11/30/2005	11/30/2005
Chloroform		6.2		29,000.	53,000.		91.			48.	53.	9.	10.	240.			120.		160.	190.	6.4	1,200.	970.	4,200.
Tetrachloroethene (-ethylene)		20.		33,000.	230,000.	280,000.	62.	1,300.		7.2				120.	4,700.	6,000.	130.	1,500.	7.6		1.7	700.	7,200.	7,000.
Trichloroethene (-ethylene)		460.	590.	260,000.	4,800,000.	5,400,000.	4,800.	120,000.	120,000.	1,100.	760.	230.	260.	4,900.	70,000.	72,000.	2,800.	7,800.	2,400.	4,500.	120.	6,600.	85,000.	80,000.
cis-1,3-Dichloropropene (-propylene)		80.	100.	19,000.	26,000.		4,700.	8,800.	8,600.	37.	27.	4.7	6.1	1,300.	2,200.	2,800.	120.		190.	210.	2.4	1,500.	520.	
trans-1,2-Dichloroethene							55.							24.								7.4		
1,1-Dichloroethene (-ethylene)				100.			2.2																	
Vinyl Chloride							48.							31.										
Benzene				2,400.			36.							25.			1.4		3.			28.		
Toluene				170,000.	3,700,000.	3,800,000.	2,400.	50,000.	46,000.	170.	120.	110.	24.	2,200.	29,000.	30,000.	540.	3,800.	470.	1,200.	30.	4,900.	90,000.	84,000.
Ethylbenzene				11,000.	9,600.																	31.		
m,p-Xylene				17,000.	25,000.																	54.	550.	
o-Xylene				8,500.	7,500.												1.8					25.	300.	
1,1,2-Trichloroethane							1.7															3.3		
1,2-Dichloroethane							9.2							11.								8.7		
1,2-Dichloropropane																								
4-Methyl-2-Pentanone							55.																	
Acetone																								
Carbon Disulfide							6.2							19.										
Methylene Chloride							16.							46.		5,700.			11.			36.		
total VOCs		566.2	690.		8,851,100.	9,480,000.		180,100.	174,600.	1,362.2	960.				105,900.	116,500.		13,100.		6,100.			184,540.	175,200.

Ohio EPA confirmation sam

Compound	Sampling site DOE verification sample site #	VSS 051		VSS 052		VSS 053		VSS 054		VSS 055		VSS 056	VSS 057	VSS 058	VSS 059		VSS 060	VSS 061	
	OEPA sample number	000026	000026DL	000027	000027DL	000007	000007DL	000073	000073DL	000023	000023DL	000025	000077	000010	000008	000008DL	000075	000076	000076DL
	Sampling date	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/29/2005	11/29/2005	12/1/2005	12/1/2005	11/30/2005	11/30/2005	11/30/2005	12/1/2005	11/29/2005	11/29/2005	11/29/2005	12/1/2005	12/1/2005	12/1/2005
1,1,1-Trichloroethane		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
1,1,2,2-Tetrachloroethane		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
1,1,2-Trichloroethane		5.5	690.	5.7	57.	7.5	75.	2.	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
1,1-Dichloroethane		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
1,1-Dichloroethene (-ethylene)		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
1,2-Dichloroethane		5.5	690.	5.7	57.	7.5	75.	8.2	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
1,2-Dichloropropane		5.5	690.	5.7	57.	7.5	75.	4.1	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
2-Butanone (Methyl ethyl ketone)		11.	1,400.	11.	110.	15.	150.	11.	1,400.	12.	120.	12.	11.	15.	15.	150.	11.	11.	55.
2-Hexanone		11.	1,400.	11.	110.	15.	150.	11.	1,400.	12.	120.	12.	11.	15.	15.	150.	11.	11.	55.
4-Methyl-2-Pentanone		11.	1,400.	11.	110.	15.	150.	34.	1,400.	12.	120.	12.	11.	15.	15.	150.	11.	11.	55.
Acetone		11.	1,400.	11.	110.	15.	150.	38.	1,400.	12.	120.	12.	11.	15.	15.	150.	11.	11.	55.
Benzene		2.9	690.	5.7	57.	2.	75.	22.	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
Bromodichloromethane		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
Bromoform		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
Bromomethane		11.	1,400.	11.	110.	15.	150.	11.	1,400.	12.	120.	12.	11.	15.	15.	150.	11.	11.	55.
Carbon Disulfide		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
Carbon Tetrachloride		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
Chlorobenzene		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
Chloroethane		11.	1,400.	11.	110.	15.	150.	11.	1,400.	12.	120.	12.	11.	15.	15.	150.	11.	11.	55.
Chloroform		440.	600.	28.	52.	120.	120.	400.	490.	50.	51.	15.	10.	7.6	22.	54.	7.6	21.	24.
Chloromethane		11.	1,400.	11.	110.	15.	150.	11.	1,400.	12.	120.	12.	11.	15.	15.	150.	11.	11.	55.
Dibromochloromethane		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
Ethylbenzene		6.2	690.	5.7	57.	7.5	75.	24.	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
Methylene Chloride		3.8	1,400.	11.	110.	6.1	150.	28.	1,400.	12.	120.	12.	11.	15.	15.	150.	11.	11.	55.
Styrene		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
Tetrachloroethene (-ethylene)		83.	1,000.	5.7	25.	7.6	75.	660.	4,000.	4.1	58.	4.3	2.7	56.	150.	500.	2.8	3.4	27.
Toluene		1,400.	3,000.	80.	57.	520.	1,200.	4,400.	17,000.	57.	31.	180.	110.	7.6	7.3	73.	98.	170.	78.
Trichloroethene (-ethylene)		3,500.	9,000.	880.	800.	2,300.	3,600.	5,600.	28,000.	1,200.	440.	410.	240.	41.	1,200.	2,300.	170.	380.	130.
Vinyl Chloride		11.	1,400.	11.	110.	15.	150.	11.	1,400.	12.	120.	12.	11.	15.	15.	150.	11.	11.	55.
cis-1,3-Dichloropropene (-propylene)		230.	690.	13.	13.	140.	100.	1,600.	350.	39.	39.	17.	4.7	7.6	41.	47.	6.7	18.	12.
Dibromomethane		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
m,p-Xylene		3.7	690.	5.7	57.	7.5	75.	62.	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
o-Xylene		12.	690.	5.7	57.	7.5	75.	28.	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
trans-1,2-Dichloroethene		1.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.
trans-1,3-Dichloropropene (-propylene)		5.5	690.	5.7	57.	7.5	75.	5.5	690.	5.8	58.	5.9	5.7	7.6	7.3	73.	5.5	5.5	27.

Ohio EPA confirmation sam
detections only

Compound	Sampling site DOE verification sample site #	VSS 057		VSS 052		VSS 053		VSS 054		VSS 055		VSS 056	VSS 057	VSS 058	VSS 059		VSS 060	VSS 061	
	OEPA sample number	000026	000026DL	000027	000027DL	000007	000007DL	000073	000073DL	000023	000023DL	000025	000077	000010	000008	000008DL	000075	000076	000076DL
	Sampling date	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/29/2005	11/29/2005	12/1/2005	12/1/2005	11/30/2005	11/30/2005	11/30/2005	12/1/2005	11/29/2005	11/29/2005	11/29/2005	12/1/2005	12/1/2005	12/1/2005
Chloroform		440.	600.	28.	52.	120.	120.	400.	490.	50.	51.	15.	10.		22.	54.	7.6	21.	24.
Tetrachloroethene (-ethylene)		83.	1,000.		25.	7.6		660.	4,000.	4.1		4.3	2.7	56.	150.	500.	2.8	3.4	
Trichloroethene (-ethylene)		3,500.	9,000.	880.	800.	2,300.	3,600.	5,600.	28,000.	1,200.	440.	410.	240.	41.	1,200.	2,300.	170.	380.	130.
cis-1,3-Dichloropropene (-propylene)		230.		13.	13.	140.	100.	1,600.	350.	39.	39.	17.	4.7		41.	47.	6.7	18.	12.
trans-1,2-Dichloroethene		1.5																	
1,1-Dichloroethene (-ethylene)																			
Vinyl Chloride																			
Benzene		2.9				2.		22.											
Toluene		1,400.	3,000.	80.		520.	1,200.	4,400.	17,000.	57.	31.	180.	110.				98.	170.	78.
Ethylbenzene		6.2						24.											
m,p-Xylene		3.7						62.											
o-Xylene		12.						28.											
1,1,2-Trichloroethane								2.											
1,2-Dichloroethane								8.2											
1,2-Dichloropropane								4.1											
4-Methyl-2-Pentanone								34.											
Acetone								38.											
Carbon Disulfide																			
Methylene Chloride		3.8				6.1		28.											
total VOCs			13,600.		890.		5,020.		49,840.	1,350.1						2,901.		592.4	244.