

Camden Bucket Brigade Data

Summary of Results

Values given are sampled air concentrations in micrograms (of chemical) per cubic meter of air (ug/m³)
Chemicals not in bold were below the detection limits.

Sample Date: Sample No.:	1/16/2004				6/4/2004	7/15/2004			10/29/2004			4/4/2005				6/28/2005	7/11/2005	7/21/2005		8/25/2005		CAS Number ^a	Long- Term Health Bench- mark ^b ug/m ³	Short- Term Health Bench- mark ^c ug/m ³	Camden County 1999 NATA Back- ground ^d ug/m ³	Camden 2003 Annual Avg. ^e ug/m ³	Chester 2003 Annual Avg. ^f ug/m ³
	A10	B10	C10	D10	C13	A12	B11	D11	A14	B13	D17	A13	B14	C16	D12	A15	A16	A17	C	A18	C21						
Site:	420-422 Viola St.	Antioch Baptist Church Site	NJDEP Site	Rutgers Campus	Foot of Jeff. St.	Sacred Heart Church	1718 S. Broadwa y Campus	Rutgers Campus	Ferry & Jackson	Sacred Heart Church	Rutgers Campus	420-422 Viola St.	1718 S. Broadway Site	NJDEP Site	Rutgers Campus	Sacred Heart Church	Sacred Heart Church	NJDEP Site	Sacred Heart Church	Ferry & Jackson	Sacred Heart Church						
VOCs	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³	ug/m ³							
1 Benzene	0.46	0.52	0.5	0.95	0.53	0.4	0.66	1.2	1.1	0.64	0.96	2	1.2	1.8	1.3	1.1	4.1	2.6	2.3	0.3	1.2	71-43-2	0.13	1300	0.43	1.59	0.68
2 1,3-Butadiene																						106-99-0				0.07	0.02
3 Carbon tetrachloride	0.74	0.75	0.56	0.6	0.6	0.78	0.74	0.74	0.85	1.1	0.62	0.74	0.71	0.77	0.71	0.47	0.54	0.59	0.57		0.48	56-23-5	0.067	1900	0.27	0.5	0.44
4 Chlorobenzene							0.23															108-90-7	1000		No data	No data	
5 Chloroform	0.097	0.078	0.069	0.07	0.29	0.35	0.32	0.16	0.61	0.68	0.29	0.27	0.22	0.17	0.27	0.14	0.32	0.21	0.19		0.38	67-66-3	0.043	150	0.042	0.01	0.01
6 1,4-Dichlorobenzene	0.16	0.16	0.11	0.1	0.16	0.61	1.07	0.68	31	9.1	0.9	5.5	7.6	0.53	0.39	8.3	13	0.11	0.2	2.3	0.2	106-46-7	0.091			0.08	0
7 1,2-Dichloroethane					0.13	0.35	1.1	0.098	1.1	0.64	0.96	0.17	0.2	0.13	0.25	0.10	0.13	0.11	0.11			107-06-2	0.038		No data	No data	
8 Ethylbenzene		2.8	2.7		2.3	0.48	1.1	0.61	0.61	3.6	0.61	0.78	0.65	0.61	0.56	0.52	2	0.74	3.0	0.26	0.39	100-41-4		1000		0.5	0.25
9 Methylene chloride		0.5	1.2	0.87		0.49	9.8	2.5	26	3.1	26	2.9	3.7	1.6	1.4	2.5	1.6			1.9	3.4	75-09-2	2.1		0.34	0.39	0.28
10 Methyl ethyl ketone		2.2	1		1.2	0.8	1.7	2.2	3.7	0.56	3.7					1.2						78-93-3		1000		1.77	1.65
11 MTBE					1.2	0.47	1.9		0.87	0.72	0.87	1.5	1.7	1.2	1.2	5.8	14	4.3	2.8	1.1	2.2	634-04-4	3.8		2.68	0.54	
12 Propylene							1.5									1.1						115-07-1	3000		2.12	0.63	
13 Tetrachloroethylene	5.3	6.8	7.7	5.5	4.7	5.1	24	4.3	9.8	10	19	4	3.5	4.5	3.5	1.7	3.9	1.1	2.7	0.58	4.8	127-18-4	0.17		0.13	0.13	
14 Toluene	1.4	2.3	1.8	1.2	6.9	3.2	12	8.4	25	46	25	53	5.5	6.9	2.9	25	18	4.9	9.4	5.2	6.4	108-88-3	400	37000	3.23	2.06	
15 1,1,1-Trichloroethane																						71-55-6			0.08	0.06	
16 Trichloroethylene	0.75	0.3	0.44	0.36	0.5	0.26	0.57	2.1	8.1	1.8	2.1	0.88	0.29	1	0.14	0.45	0.79	7.4	2.88	0.18	0.88	79-01-6	0.5		0.02	No data	
17 Xylenes (p,m,o)	7.6	8.1	8	7.6	18.6	3.43	4.7	4.6	2.94	2.37	2.94	4.9	4	3.36	3.37	3.33	13.8	2.69	15.9	1.3	2.42	100	22000	0.17	2.14	1.19	

Notes:

- a Chemical Abstract Service identification number
- b Long-term health benchmark concentration
- c Short-term health benchmark concentration
- d Annual average background concentration for Camden County as estimated by USEPA for 1999 National Air Toxics Assessment (NATA)
- e Annual average concentration measured for 2003 at the permanent NJDEP Camden air toxics monitoring station
- f Annual average concentration measured for 2003 at the permanent NJDEP air toxics monitoring station in Chester, Morris County

Site	Location
1 420-422 Viola St.	Between S. 4th St. & S. Broadway
2 Antioch Baptist Church	S. 7th St. & Ferry Ave. (700 Ferry Ave.)
3 Foot of Jefferson St	Jefferson St. - near end at S. 2nd. St.
4 1718 S. Broadway	Between Van Hook St. & Ferry Ave.
5 Ferry & Jackson	Ferry Ave. & Jackson St.
6 Sacred Heart Church	Ferry Ave. near S. Broadway
7 NJDEP Site	Copewood & Davis Sts., location of permanent NJDEP air toxics monitor
8 Rutgers Campus	Rutgers University Campus in Camden (311 N. 5th St.)