

SUPPLEMENTAL INFORMATION

**Personal air pollutant exposure monitoring in  
South African children in the VHEMBE birth cohort**

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**Table S1.** Characteristics of monthly exposure assessment periods.

<b>Assessment Period</b>	<b>Number of Participants</b>		<b>Temperature (°C)</b>		<b>Humidity (%)</b>		<b>Precipitation (mm)</b>
	n	(%)	Mean	SD	Mean	SD	Total
October	22	(44.9%)	21.0	3.4	43.9	12.9	26.0
November	20	(40.8%)	22.3	3.6	49.7	12.1	88.9
December	5	(10.2%)	24.7	2.7	53.7	11.1	166.3
January	2	(4.1%)	23.7	2.6	61.3	9.8	192.8

**Table S2. Questions from VHEMBE birth cohort questionnaire evaluated in the current study.**

<b>Five-Year Air Sampling Questionnaire (September 2018 - January 2019)</b>	<b>Five-Year Follow-up Visit (2017 -2018)</b>	<b>One-Week Postpartum Housing Survey (2012 – 2013)</b>
Human Subject Number	Human Subject Number	Human Subject Number
Date of air sampling monitor collection (DD/MM/YYYY)	Child Sex	Child Sex
Location of monitor collection (Name of Village)	Below the food poverty threshold (R547 per capita per month)	Below the Food Poverty Level (R386/month per cap)
While your child was at home or around your home, did you or others on your homestead burn papers, cow dung, wood, corn cobs, straw, leaves or other vegetation since we gave your child the air sampling monitor? Please think of all the meals that were cooked during that time period, whether they were cooked inside or outside the house, and any other fire that may have been lit on your homestead, including the burning of waste, or fires started to keep warm or to repel mosquitoes.	Below the lower bound poverty threshold (R785 per capita per month)	Below the Lower Bound Poverty Level (R572/month per cap)
While your child was at home or around the home, how many times did you or others on your homestead burn papers, cow dung, wood, corn cobs, straw, leaves or other vegetation since we gave your child the air sampling monitor?	Below the upper bound poverty threshold (R1183 per capita per month)	Below the Upper Bound Poverty Level (R883/month per cap)
While your child was at home or around the home, how many times did you or others on your homestead burn papers, cow dung, wood, corn cobs, straw, leaves or other vegetation since we gave your child the air sampling monitor?	Wood, Propane gas, Paraffin, Coal/charcoal, Straw/shrubs/grass, Animal dung, or plastic bags/refuse - does child's home use as fuel? ____ fuel used for cooking? ____ fuel used for heating? ____ fuel used for lighting? ____ used indoors or outdoors? ____ how often is it used indoors? ____ fuel used in same building child sleeps or spends most of their time? ____ does child's home use as fuel?	Where your household cooks outdoors? [Select fuels utilized in outdoor cooking location] Wood, Straw/shrubs/grass, Agricultural crops like cobs, Paraffin, Plastic bags and other refuse, Other - Specify Does your household cook indoors? [Select fuel sources utilized in primary cooking location indoors] Electricity from mains, Wood, Propane gas, Paraffin, Straw/shrubs/grass, Agricultural crops like cobs, Animal dung, Plastic bags or other refuse What main source of energy for cooking indoors? [Primary location]
Which of these fuels did you use? (papers, cow dung, wood, corn cobs, or leaves)	How often is [CHILD NAME] within 1 meter of the cooking area?	[Select energy sources utilized in primary indoor cooking location] Open Fire, Gas Stove, Liquid Stove, Electric Stove or Burner
On what date did this happen?	How does smoke and steam escape? (Response: No way, Hole in wall/raised roof, Window/door, Chimney, Kitchen fan with exhaust, Do not cook indoors, Don't Know)	Any other places indoors where food is cooked? [Select fuel sources utilized in secondary cooking location] Electricity from mains, Wood, Propane gas, Paraffin, Straw/shrubs/grass, Agricultural crops like cobs, Plastic bags or other refuse, Other - Specify
Around what time did you start burning papers, cow dung, wood, corn cobs or leaves and around what time did you stop? (Please specify if AM or PM)	Is rubbish burned on your property?	What is the main source of energy cooking indoors? [Secondary location]
Did you burn the fuel(s) indoors, outdoors or both?	Do your immediate neighbors usually burn rubbish on their property?	[Select energy sources utilized in secondary indoor cooking location] Open Fire, Gas Stove, Liquid Stove, Gel Stove, Electric Stove or Burner, Other - Specify
Did the child spend any time near the fire?	Has home been sprayed since child's last visit?	
Is the home on a dirt road or paved road?	Has current home been sprayed since child's last visit?	
How far is the closest paved road?	How often is this home sprayed for malaria control?	
What is the traffic flow on the nearest street?	Has a home child lived in been sprayed since last visit?	
How would you rate the condition of the street surface of the nearest road (for driving)?	Was home EVER sprayed with DDT, another pesticide, or both?	
How far is the closest important source of pollution such as warehouse, factory, parking lot with diesel trucks or bus/taxi station?	Home sprayed while child was living in home since last visit?	
	Were inside walls of home painted when home was last sprayed?	
	Currently live in same home as one from one-week visit?	

**Table S3. Characteristics of participant and their households.**

<b>Characteristic</b>		<b>n</b>	<b>(%)</b>
Road conditions of nearby road	Dirt Road	47	(95.9%)
	Paved Road	2	(4.1%)
Proximity to closest paved road	400 meters or more	21	(42.9%)
	60 to 400 meters	11	(22.5%)
	15 to 60 meters	8	(16.3%)
	Less than 15 meters	9	(18.4%)
Traffic flow on the nearest street	No cars	44	(89.8%)
	Light (~ 10 min)	3	(6.1%)
	Moderate (~ 23 min)	2	(4.1%)
Street surface of the nearest road (for driving)	Poor	27	(55.1%)
	Fair	22	(44.9%)
Proximity to closest major source of pollution (warehouse, factory, parking lot with diesel trucks or bus/taxi station)	400 meters or more	48	(98.0%)
	No Response	1	(2.0%)
How often the child is within one meter of the cooking area	Often	11	(22.4%)
	Sometimes	17	(34.7%)
	Rarely	17	(34.7%)
	Never	4	(8.2%)
Methods for smoke and steam to escape when cooking indoors	Hole in wall/raised roof	3	(6.1%)
	Window/door	37	(75.5%)
	Combination of two methods (hole in wall/raised roof, window/door, or chimney)	7	(14.3%)
	Does not cook indoors	1	(2.0%)
	Unknown	1	(2.0%)
	Kitchen fan with exhaust	0	(0%)
Secondary cooking area	No secondary cooking area		24 (49.0%)
	If primary cooking area was "indoors"	Indoors	7 (11.5%)
		Outdoors	9 (14.8%)
	If primary cooking area was "outdoors"	Outdoors	9 (14.8%)
		Indoors	0 (0%)

*Note: Percentage may not total to 100% due to rounding.*

**Table S4.** Targeted panel of 70 chemical contaminants which were assessed using the Fresh Air wristbands.

Chemical Class	Compound	CASRN	Molecular Weight (g/mol)	Log K <sub>oa</sub>	Vapour Pressure (mmHg)	Detected in this Study
<b>Brominated Flame Retardants</b>	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate	183658-27-7	549.9	11.57	9.5E-07	No
	Hexachlorobutadiene (HCBD)	87-68-3	260.8	6.56	2.2E-01	Yes
<b>Chlorinated Hydrocarbons</b>	Hexachloroethane	67-72-1	236.7	4.47	2.1E-01	Yes
	1,2,4-Trichlorobenzene	120-82-1	181.4	4.96	4.6E-01	No
	Hexachlorocyclopentadiene	77-47-4	272.8	6.91	6.0E-02	No
<b>Fungicides</b>	Fludioxonil	131341-86-1	248.18	9.90	2.9E-09	No
<b>Haloethers</b>	Bis(2-chloro-1-methylethyl) ether (BCEE)	108-60-1	171.06	4.53	5.7E-01	Yes
	Bis(2-chloroethyl)ether	111-44-4	143.01	3.80	1.6E+00	No
	Carfentrazone-ethyl	128639-02-1	412.2	9.64	1.2E-07	No
<b>Nitroaromatics</b>	4-Chloroaniline	106-47-8	127.57	6.25	2.7E-02	Yes
	2,4-Dinitrotoluene	121-14-2	182.13	5.08	1.5E-04	Yes
	2,6-Dinitrotoluene	606-20-2	182.13	5.08	5.6E-04	No
	4-Nitroaniline	100-01-6	138.12	6.57	3.3E-06	No
<b>Isophorone</b>	Isophorone	78-59-1	138.21	4.32	4.4E-01	Yes
<b>Nitrosoamines</b>	Nitrobenzene	98-95-3	123.11	3.87	2.4E-01	Yes
	N-Nitrosodiphenylamine	86-30-6	198.22	5.96	1.4E-05	Yes
	N-Nitrosodi-n-propylamine	621-64-7	130.19	3.33	1.3E+00	No
<b>Organochlorine Pesticides (OCPs)</b>	Chlorothalonil	1897-45-6	265.9	8.49	5.7E-07	No
	Dieldrin	60-57-1	380.9	8.56	5.9E-06	No
	Endosulfan I	959-98-8	406.9	8.81	1.7E-07	No
	Endrin	72-20-8	380.9	8.56	5.9E-06	No
	p,p'-DDD	72-54-8	320	10.02	1.4E-06	Yes
	p,p'-DDT	50-29-3	354.5	9.57	1.6E-07	Yes
	Tetrachloro-m-xylene	877-09-8	243.9	6.91	9.2E-03	No
	Alpha-BHC	319-84-6	290.8	8.09	4.2E-05	No
	Gamma-BHC	58-89-9	290.8	3.72	4.2E-05	No
	Hexachlorobenzene	118-74-1	284.8	7.37	1.8E-05	No
Methoxychlor	72-43-5	345.6	9.17	6.2E-06	No	
<b>Organophosphate Ester (OPE) Flame Retardants</b>	Triphenyl phosphate (TPHP)	115-86-6	326.3	10.80	6.3E-06	Yes
	Tris(1-chloro-2-propyl) phosphate (TCPP)	13674-84-5	327.6	8.85	3.7E-03	Yes
<b>Polybrominated Diphenyl Ethers (PBDEs)</b>	2,2',4,4',5,6'-Hexabromodiphenyl ether (BDE154)	207122-15-4	643.6	11.71	6.4E-08	No
	2,2',4,4',5,5'-Hexabromodiphenyl ether (BDE153)	68631-49-2	643.6	11.71	6.4E-08	No
	2,2',4,4',6-Pentabromodiphenyl ether (BDE100)	189084-64-8	564.7	11.54	2.9E-08	No
	2,2',4,4',5-Pentabromodiphenyl ether (BDE99)	60348-60-9	564.7	11.35	3.1E-08	No
	2,2',4,4'-Tetrabromodiphenyl ether (BDE47)	5436-43-1	485.79	10.53	7.0E-08	No
	2,4,4'-Tribromodiphenyl ether (BDE28)	41318-75-6	406.89	9.45	6.7E-07	No
<b>Polychlorinated biphenyls (PCBs)</b>	Decachlorobiphenyl	2051-24-3	498.6	11.70	1.1E-07	No
<b>Phthalates</b>	Butylbenzyl phthalate	85-68-7	312.4	9.83	8.2E-06	No
	Diethyl phthalate	84-66-2	222.24	6.75	2.1E-03	Yes
	Dimethyl phthalate	131-11-3	194.18	5.72	3.1E-03	Yes
	Bis(2-ethylhexyl) phthalate	117-81-7	390.6	11.69	1.4E-07	No
	Di-n-butyl phthalate	84-74-2	278.34	8.84	2.0E-05	Yes
	Di-n-octyl phthalate	117-84-0	390.6	11.74	1.0E-07	Yes
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>	Acenaphthene	83-32-9	154.21	6.33	2.1E-03	Yes
	Acenaphthylene	208-96-8	152.19	6.56	6.6E-03	Yes
	Anthracene	120-12-7	178.23	7.55	7.1E-06	Yes
	Benz[a]anthracene	56-55-3	228.3	9.37	1.9E-07	No
	Benzo[a]pyrene	50-32-8	252.3	9.61	5.5E-09	Yes

	Benzo[b]fluoranthene	205-99-2	252.3	8.64	4.9E-07	No	
	Benzo[ghi]perylene	191-24-2	276.3	11.72	1.0E-10	Yes	
	Benzo[k]fluoranthene	207-08-9	252.3	9.38	9.8E-10	Yes	
	Chrysene	218-01-9	228.3	9.37	6.7E-09	Yes	
	Dibenz[a,h]anthracene	53-70-3	278.3	11.69	9.5E-10	Yes	
	Dibenzofuran	132-64-9	168.19	6.90	2.5E-03	Yes	
	Fluoranthene	206-44-0	202.25	8.86	9.1E-06	Yes	
	Fluorene	86-73-7	166.22	6.84	6.0E-04	Yes	
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>	Indeno[1,2,3-cd]pyrene	193-39-5	276.3	11.72	2.3E-10	Yes	
	Naphthalene	91-20-3	128.169	5.17	8.4E-02	No	
	Phenanthrene	85-01-8	178.23	7.55	1.1E-04	Yes	
	Pyrene	129-00-0	202.25	8.86	4.5E-06	No	
	1-Bromo-4-phenoxybenzene	101-55-3	249.1	7.46	1.5E-03	No	
	1-Chloro-4-phenoxybenzene	7005-72-3	204.65	7.26	3.0E-03	No	
	2-Chloronaphthalene	91-58-7	162.61	5.80	1.2E-02	No	
	2-Methylnaphthalene	91-57-6	142.2	5.83	5.4E-02	Yes	
	<b>Pyrethroids and Related</b>	Piperonyl butoxide	51-03-6	338.4	10.91	8.6E-08	Yes
	<b>Smoking-Related Compounds</b>	Nicotine	54-11-5	162.23	5.81	3.8E-02	Yes
Delta-9-tetrahydrocannabinol (THC-9)		1972-08-3	314.5	10.82	1.0E-08	Yes	
<b>Volatile Organic Compounds (VOCs)</b>	1,2-Dichlorobenzene	95-50-1	147	4.37	1.4E+00	No	
	1,3-Dichlorobenzene	541-73-1	147	4.16	2.2E+00	Yes	
	1,4-Dichlorobenzene	106-46-7	147	4.44	1.7E+00	Yes	

**Table S5.** Descriptive statistics of the 35 contaminants detected using the Fresh Air wristband. Exposure concentrations are reported in pg/bar. Abbreviations: LOD: Limit of Detection, BCEE: bis(2-chloro-1-methylethyl) ether, TCPP: tris(1-chloro-2-propyl) phosphate, TPHP: triphenyl phosphate, p,p'-DDD: p,p'-dichlorodiphenyldichloroethane, p,p'-DDT: p,p'-dichlorodiphenyltrichloroethane.

Chemical Class	Compound	LOD	% <LOD (n)	Median	Mean	Percentile		Maximum
						25%	75%	
<b>Chlorinated</b>	Hexachlorobutadiene	12.7	22.4% (11)	26.0	5.43 x 10 <sup>5</sup>	18.0	51.0	2.06E x 10 <sup>7</sup>
<b>Hydrocarbons</b>	Hexachloroethane	7.61	73.5% (36)	51.0	111	28.8	115	669
<b>Haloethers</b>	BCEE	17.6	20.4% (10)	210	5.68 x 10 <sup>5</sup>	92	497	2.21 x 10 <sup>7</sup>
<b>Isophorone</b>	Isophorone	17.6	0% (0)	1.31 x 10 <sup>3</sup>	2.26 x 10 <sup>7</sup>	714	2.74 x 10 <sup>3</sup>	1.11 x 10 <sup>9</sup>
<b>Nitroaromatics</b>	4-Chloroaniline	24.4	0% (0)	8.94 x 10 <sup>4</sup>	1.39 x 10 <sup>8</sup>	2.62 x 10 <sup>4</sup>	2.54 x 10 <sup>5</sup>	6.78 x 10 <sup>9</sup>
	2,4-Dinitrotoluene	9.22	2.04% (1)	2.16 x 10 <sup>3</sup>	3.34 x 10 <sup>3</sup>	1.27 x 10 <sup>3</sup>	3.27 x 10 <sup>3</sup>	2.39 x 10 <sup>4</sup>
	Nitrobenzene	19.4	40.8% (20)	3.50 x 10 <sup>3</sup>	1.36 x 10 <sup>8</sup>	2.38 x 10 <sup>3</sup>	7.27 x 10 <sup>3</sup>	3.95 x 10 <sup>9</sup>
<b>Nitrosamines</b>	N-Nitrosodiphenylamine	10.2	0% (0)	227	366	154	470	1.37 x 10 <sup>3</sup>
<b>Organophosphate Ester (OPE)</b>	TCPP	70.5	0% (0)	635	826	425	916	4.49 x 10 <sup>3</sup>
<b>Flame Retardants</b>	TPHP	7.42	0% (0)	238	658	155	618	5.33 x 10 <sup>3</sup>
<b>Organochlorine Pesticides</b>	p,p'-DDD	1.92	55.1% (27)	18.3	124	6.90	85.2	1.79 x 10 <sup>3</sup>
	p,p'-DDT	1.09	22.4% (11)	11.7	144	5.34	56.7	3.28 x 10 <sup>3</sup>
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>	Acenaphthene	15.8	0% (0)	67.1	169	48.9	86.0	3.92 x 10 <sup>3</sup>
	Acenaphthylene	12.7	0% (0)	122	533	83.8	293	1.37 x 10 <sup>4</sup>
	Anthracene	11.0	0% (0)	74.7	189	41.8	144	2.43 x 10 <sup>3</sup>
	Benzo[a]pyrene	13.6	14.3% (7)	126	202	46.3	226	1.68 x 10 <sup>3</sup>
	Benzo[ghi]perylene	7.80	20.4% (10)	56.2	89.1	25.1	102	532
	Benzo[k]fluoranthene	4.19	2.04% (1)	37.3	74.3	20.7	87.9	561
	Chrysene	15.2	4.08% (2)	71.1	167	48.5	167	1.31 x 10 <sup>3</sup>
	Dibenz[a,h]anthracene	18.0	42.9% (21)	29.7	39.5	23.6	36.7	192
	Dibenzofuran	6.60	0% (0)	119	303	81.1	186	4.70 x 10 <sup>3</sup>
	Fluoranthene	8.09	0% (0)	87.5	191	59.3	217	1.32 x 10 <sup>3</sup>
	Fluorene	16.2	0% (0)	129	301	94.8	245	4.63 x 10 <sup>3</sup>
	Indeno[1,2,3-cd]pyrene	9.65	24.5% (12)	62.4	116	28.6	142	884
	2-Methylnaphthalene	16.4	0% (0)	271	1.97 x 10 <sup>6</sup>	165	403	9.64 x 10 <sup>7</sup>
Phenanthrene	11.2	0% (0)	266	564	182	488	7.14 x 10 <sup>3</sup>	
<b>Phthalates</b>	Di-n-butyl phthalate	50.0	0% (0)	1.90 x 10 <sup>4</sup>	3.81 x 10 <sup>4</sup>	1.19 x 10 <sup>4</sup>	4.79 x 10 <sup>4</sup>	1.94 x 10 <sup>5</sup>
	Di-n-octyl phthalate	61.4	0% (0)	7.46 x 10 <sup>4</sup>	1.30 x 10 <sup>5</sup>	4.22 x 10 <sup>4</sup>	1.23 x 10 <sup>5</sup>	9.91 x 10 <sup>5</sup>
	Diethyl phthalate	29.3	0% (0)	4.02 x 10 <sup>3</sup>	6.43 x 10 <sup>3</sup>	2.27 x 10 <sup>3</sup>	6.22 x 10 <sup>3</sup>	5.98 x 10 <sup>4</sup>
	Dimethyl phthalate	11.2	0% (0)	1.44 x 10 <sup>3</sup>	2.39 x 10 <sup>3</sup>	788	2.81 x 10 <sup>3</sup>	1.11 x 10 <sup>4</sup>
<b>Pyrethroids and Related</b>	Piperonyl Butoxide	18.0	57.1% (28)	86.9	930	47.8	426	8.01 x 10 <sup>3</sup>
<b>Smoking-Related Compounds</b>	Nicotine	NA	93.9% (46)	2.59 x 10 <sup>4</sup>	2.57 x 10 <sup>4</sup>	1.64 x 10 <sup>4</sup>	3.52 x 10 <sup>4</sup>	4.45 x 10 <sup>4</sup>
	Delta-9-tetrahydrocannabinol	0.765	83.7% (41)	139	1.88 x 10 <sup>4</sup>	102	4.33 x 10 <sup>3</sup>	1.33 x 10 <sup>5</sup>
<b>Volatile Organic Compounds (VOCs)</b>	1,3-Dichlorobenzene	13.2	0% (0)	307	1.04 x 10 <sup>7</sup>	249	459	5.10 x 10 <sup>8</sup>
	1,4-Dichlorobenzene	13.3	20.4% (10)	52.0	1.97 x 10 <sup>6</sup>	34.0	122	7.68 x 10 <sup>7</sup>

**Table S6.** Descriptive statistics of the 35 contaminants detected using the Fresh Air wristband. Exposure concentrations are reported in  $\text{pg}/\text{m}^3$ . Abbreviations: LOD: Limit of Detection, BCEE: bis(2-chloro-1-methylethyl) ether, TCPP: tris(1-chloro-2-propyl) phosphate, TPHP: triphenyl phosphate, p,p'-DDD: p,p'-dichlorodiphenyldichloroethane, p,p'-DDT: p,p'-dichlorodiphenyltrichloroethane.

Chemical Class	Compound	LOD	% <LOD (n)	Median	Mean	Percentile		Maximum
						25%	75%	
<b>Chlorinated</b>	Hexachlorobutadiene	29.5	22.4% (11)	62.0	$1.26 \times 10^6$	43.0	119	$4.80 \times 10^7$
<b>Hydrocarbons</b>	Hexachloroethane	17.7	73.5% (36)	119	259	67.0	266	$1.55 \times 10^3$
<b>Haloethers</b>	BCEE	40.9	20.4% (10)	489	$1.32 \times 10^6$	215	$1.16 \times 10^3$	$5.15 \times 10^7$
<b>Isophorone</b>	Isophorone	40.9	0% (0)	$3.04 \times 10^3$	$5.26 \times 10^7$	$1.66 \times 10^3$	$6.36 \times 10^3$	$2.58 \times 10^9$
<b>Nitroaromatics</b>	4-Chloroaniline	56.7	0% (0)	$2.08 \times 10^5$	$3.22 \times 10^8$	$6.10 \times 10^4$	$5.92 \times 10^5$	$1.58 \times 10^{10}$
	2,4-Dinitrotoluene	21.4	2.04% (1)	$5.02 \times 10^3$	$7.78 \times 10^3$	$2.95 \times 10^3$	$7.59 \times 10^3$	$5.58 \times 10^4$
	Nitrobenzene	45.1	40.8% (20)	$8.14 \times 10^3$	$3.17 \times 10^8$	$5.53 \times 10^3$	$1.69 \times 10^4$	$9.19 \times 10^9$
<b>Nitrosamines</b>	N-Nitrosodiphenylamine	23.7	0% (0)	529	851	359	$1.09 \times 10^3$	$3.19 \times 10^3$
<b>Organophosphate Ester (OPE)</b>	TCPP	164	0% (0)	$1.48 \times 10^3$	$1.92 \times 10^3$	989	$2.13 \times 10^3$	$1.04 \times 10^4$
<b>Flame Retardants</b>	TPHP	17.3	0% (0)	553	$1.53 \times 10^3$	361	$1.44 \times 10^3$	$1.24 \times 10^4$
<b>Organochlorine Pesticides</b>	p,p'-DDD	4.47	55.1% (27)	42.6	289	16.0	198	$4.15 \times 10^3$
	p,p'-DDT	2.53	22.4% (11)	27.3	335	12.4	132	$7.63 \times 10^3$
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>	Acenaphthene	36.7	0% (0)	156	393	114	200	$9.12 \times 10^3$
	Acenaphthylene	29.5	0% (0)	284	$1.24 \times 10^3$	195	681	$3.19 \times 10^4$
	Anthracene	25.6	0% (0)	174	439	97.2	334	$5.66 \times 10^3$
	Benzo[a]pyrene	31.6	14.3% (7)	292	471	108	525	$3.91 \times 10^3$
	Benzo[ghi]perylene	18.1	20.4% (10)	131	207	58.4	236	$1.24 \times 10^3$
	Benzo[k]fluoranthene	9.74	2.04% (1)	86.8	173	48.2	204	$1.30 \times 10^3$
	Chrysene	35.3	4.08% (2)	165	388	113	389	$3.04 \times 10^3$
	Dibenz[a,h]anthracene	41.9	42.9% (21)	69.0	91.8	54.9	85.4	446
	Dibenzofuran	15.3	0% (0)	276	705	189	432	$1.09 \times 10^4$
	Fluoranthene	18.8	0% (0)	203	444	138	504	$3.06 \times 10^3$
	Fluorene	37.7	0% (0)	299	699	220	570	$1.08 \times 10^4$
	Indeno[1,2,3-cd]pyrene	22.4	24.5% (12)	145	270	66.5	331	$2.05 \times 10^3$
	2-Methylnaphthalene	38.1	0% (0)	631	$4.58 \times 10^6$	385	938	$2.24 \times 10^8$
Phenanthrene	26.0	0% (0)	619	$1.31 \times 10^3$	424	$1.13 \times 10^3$	$1.66 \times 10^4$	
<b>Phthalates</b>	Di-n-butyl phthalate	116	0% (0)	$4.42 \times 10^4$	$8.85 \times 10^4$	$2.77 \times 10^4$	$1.11 \times 10^5$	$1.39 \times 10^5$
	Di-n-octyl phthalate	143	0% (0)	$1.74 \times 10^5$	$3.02 \times 10^5$	$9.81 \times 10^4$	$2.87 \times 10^5$	$2.30 \times 10^6$
	Diethyl phthalate	68.1	0% (0)	$9.35 \times 10^3$	$1.49 \times 10^4$	$5.29 \times 10^3$	$1.45 \times 10^4$	$1.39 \times 10^5$
	Dimethyl phthalate	26.0	0% (0)	$3.36 \times 10^3$	$5.56 \times 10^3$	$1.83 \times 10^3$	$6.53 \times 10^3$	$2.58 \times 10^4$
<b>Pyrethroids and Related</b>	Piperonyl Butoxide	41.9	57.1% (28)	202	$2.16 \times 10^3$	111	990	$1.86 \times 10^4$
<b>Smoking-Related Compounds</b>	Nicotine	NA	93.9% (46)	$6.02 \times 10^4$	$5.99 \times 10^4$	$3.81 \times 10^4$	$8.18 \times 10^4$	$1.03 \times 10^5$
	Delta-9-tetrahydrocannabinol	1.78	83.7% (41)	324	$4.37 \times 10^4$	238	$1.01 \times 10^4$	$3.10 \times 10^5$
<b>Volatile Organic Compounds (VOCs)</b>	1,3-Dichlorobenzene	30.7	0% (0)	715	$2.42 \times 10^7$	579	$1.07 \times 10^3$	$1.19 \times 10^9$
	1,4-Dichlorobenzene	30.9	20.4% (10)	121	$4.58 \times 10^6$	78.0	283	$1.79 \times 10^8$