Site ID	CITY	COUNTY	ADDRESS
39-017-1004	Middletown	Butler	Hook Field Municipal
39-035-0038	Cleveland	Cuyahoga	2547 St. Tikhon Street
39-035-0060	Cleveland	Cuyahoga	E. 14th & Orange
39-049-0081	Columbus	Franklin	5750 Maple Canyon
39-061-0040	Cincinnati	Hamilton	250 Wm. Howard Taft
39-061-0042	Cincinnati	Hamilton	2101 W. 8th Street
39-081-0017	Steubenville *	Jefferson	618 Logan Street
39-093-0016	Lorain	Lorain	214 E. 34th Street
39-093-3002	Sheffield	Lorain	2180 Lake Breeze
39-095-0026	Toledo	Lucas	4208 Airport Highway
39-099-0014	Youngstown	Mahoning	345 Oakhill Ave.
39-113-0031	Dayton	Montgomery	1361 Huffman Ave.
39-151-0020	Canton	Stark	420 Market
39-153-0023	Akron	Summit	660 W. Exchange Street
(1)	Quaker City		Columbus
(2)	North West Pennsylvania		Pennsylvania
(3)	Livonia		Indiana

* Steubenville: Speciation monitor doen not show Nitrate content. I am investigating…

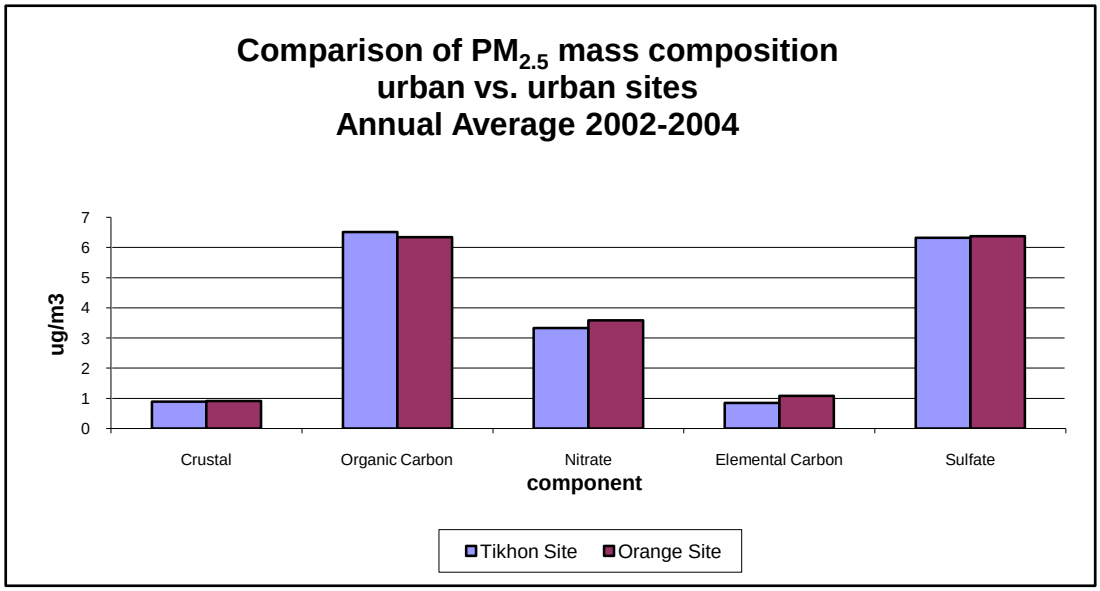
(1) (2) (3) Need to find FRM information and exact location (i.e. site ID, city, county, address)

Average 2002-2004

		Tikhon Site	Orange Site	Sheffield/Lorain Site
	Crustal	0.893007991	0.916073525	0.556072775
	Organic Carbon	6.508111111	6.345280337	4.637265152
	Nitrate	3.335325714	3.588259605	2.225139289
	Elemental Carbon	0.845589484	1.077238687	0.463746374
	Sulfate	6.321565333	6.376917802	5.319966461
Spec. Monitor	**T. Reconst. Mass**	17.90359963	18.30376996	13.20219005
FRM monitor	**Total Mass**	17.59399185	17.0372093	12.48485804

Average 2005

		Tikhon Site	Orange Site	Lorain/Lorain Site
	Crustal	1.115019527	0.853002991	0.685319838
	Organic Carbon	6.302566667	6.408950495	5.292
	Nitrate	3.9135375	4.030266535	3.332169231
	Elemental Carbon	0.9236	1.110316832	0.532913462
	Sulfate	7.72524	7.642549307	7.024730769
Spec. Monitor	**T. Reconst. Mass**	19.97996369	20.04508616	16.8671333
FRM monitor	**Total Mass**	18.93259259	19.26982759	16.34


Comparison of PM2.5 mass composition
urban vs. urban sites
Annual Average 2002-2004
ug/m3
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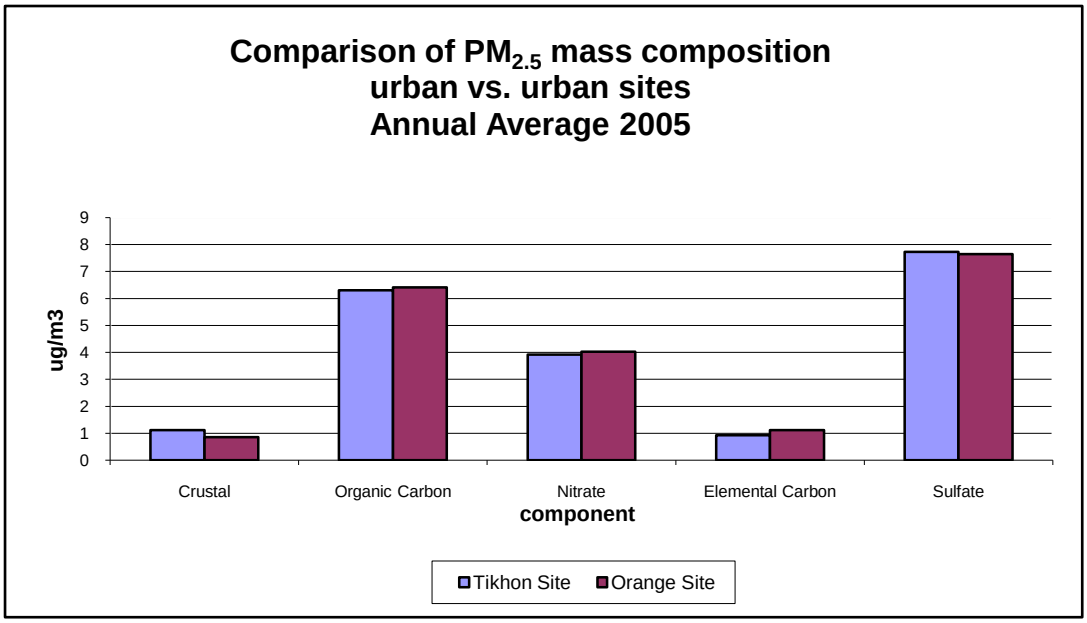
Crustal
Organic Carbon
Nitrate
Elemental Carbon
Sulfate
component
Tikhon Site
Orange Site


Comparison of PM2.5 mass composition
urban vs. urban sites
Annual Average 2005
ug/m3
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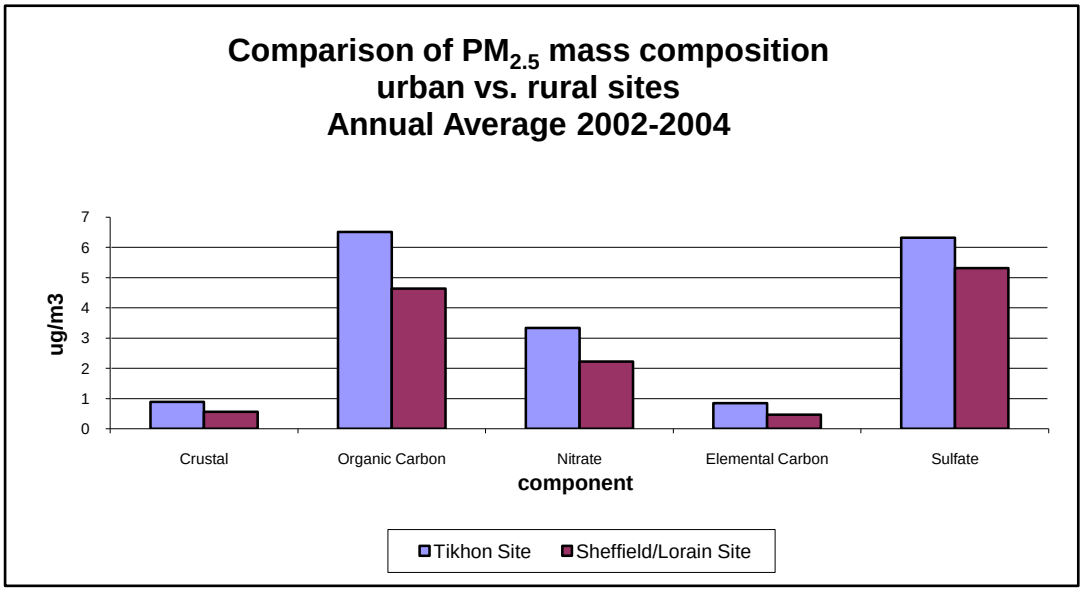
Crustal
Organic Carbon
Nitrate
Elemental Carbon
Sulfate
component
Tikhon Site
Orange Site


Comparison of PM2.5 mass composition
urban vs. rural sites
Annual Average 2002-2004
ug/m3
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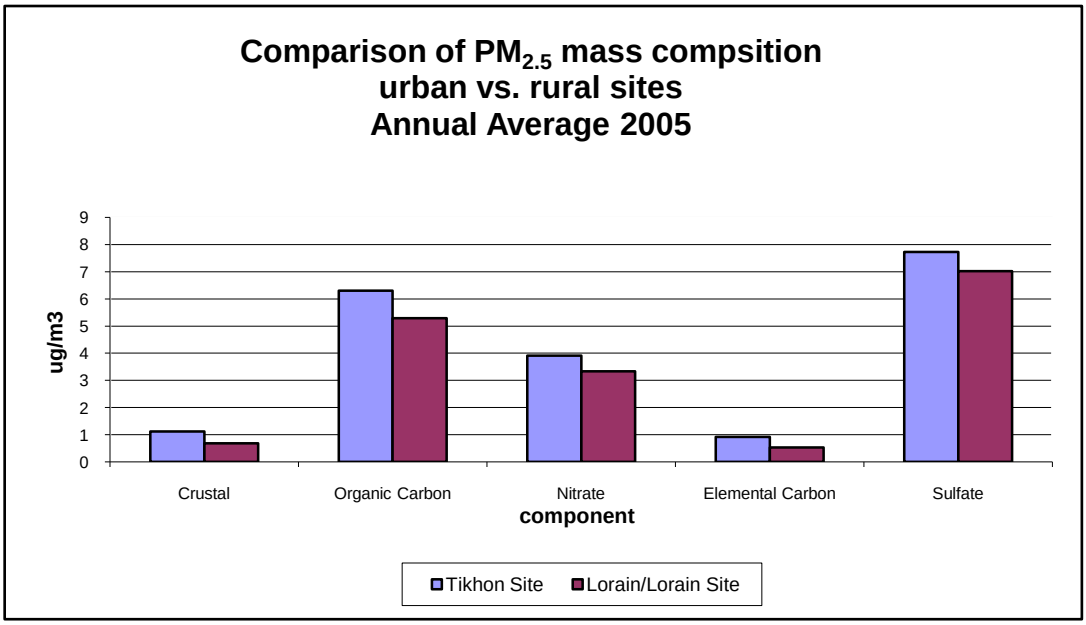
Crustal
Organic Carbon
Nitrate
Elemental Carbon
Sulfate
component
Tikhon Site
Sheffield/Lorain Site


Comparison of PM2.5 mass compsition
urban vs. rural sites
Annual Average 2005
ug/m3
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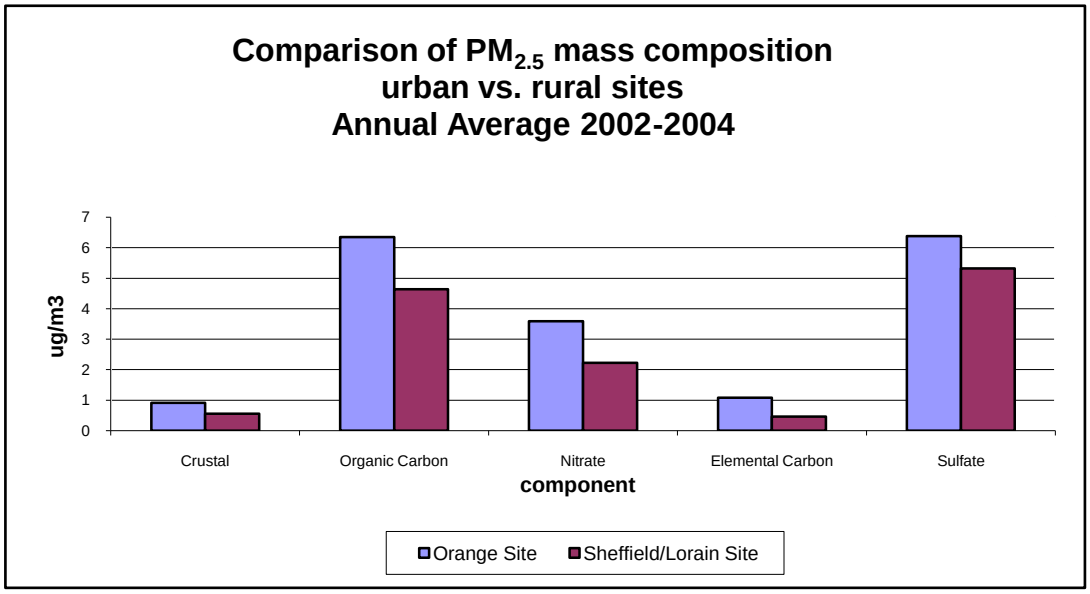
Crustal
Organic Carbon
Nitrate
Elemental Carbon
Sulfate
component
Tikhon Site
Lorain/Lorain Site


Comparison of PM2.5 mass composition
urban vs. rural sites
Annual Average 2002-2004
ug/m3
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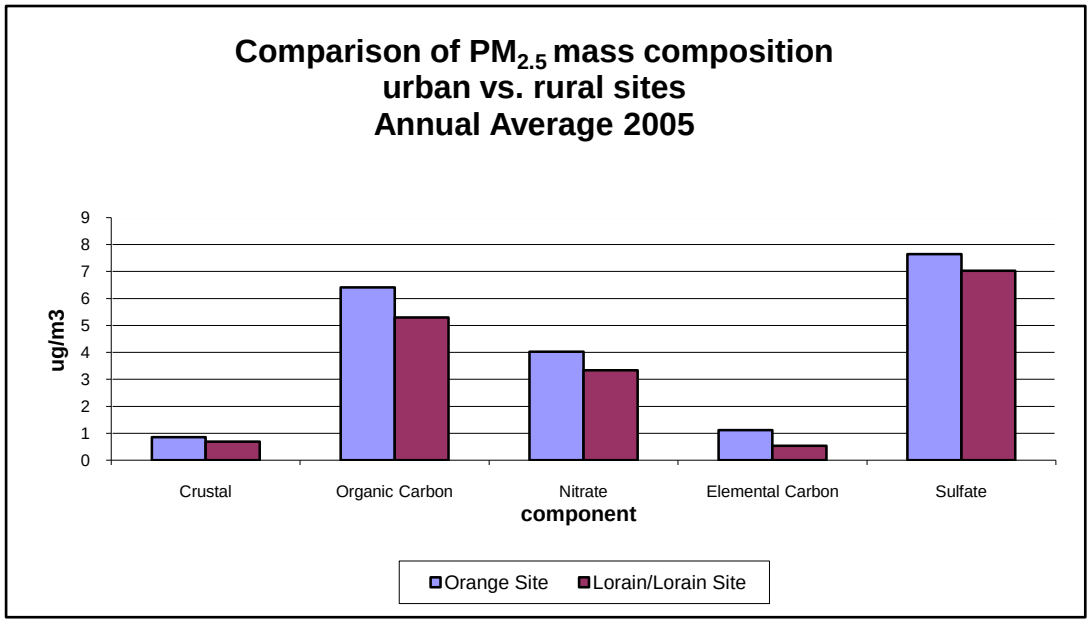
Crustal
Organic Carbon
Nitrate
Elemental Carbon
Sulfate
component
Orange Site
Sheffield/Lorain Site


Comparison of PM2.5 mass composition
urban vs. rural sites
Annual Average 2005
ug/m3
0
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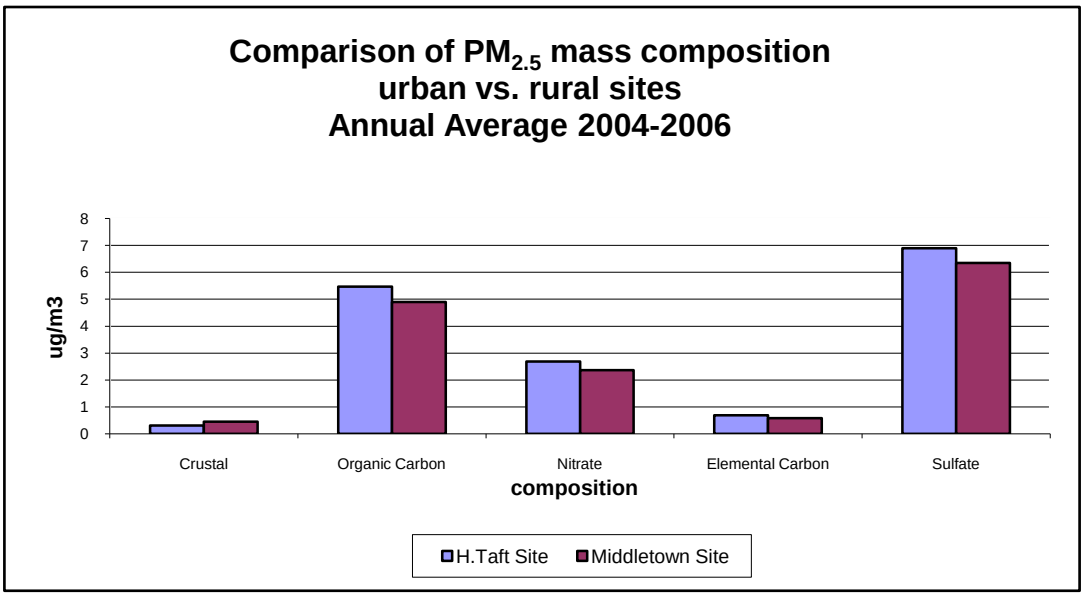
Crustal
Organic Carbon
Nitrate
Elemental Carbon
Sulfate
component
Orange Site
Lorain/Lorain Site

Average 2004-2006

		H.Taft Site	Middletown Site
	Crustal	0.309996188	0.454898664
	Organic Carbon	5.466213018	4.895760277
	Nitrate	2.685624873	2.367467014
	Elemental Carbon	0.689394083	0.579687453
	Sulfate	6.895843669	6.34873892
Spec. Monitor	**T. Reconst. Mass**	16.04707183	14.64655233
FRM monitor	**Total Mass**	15.64641745	14.90900901

Average 2002-2003

		West 8 Street Site	Middletown Site
	Crustal	0.524595577	0.490647235
	Organic Carbon	7.280740741	5.726237561
	Nitrate	2.76742974	2.580322135
	Elemental Carbon	0.967648148	0.561295657
	Sulfate	7.342371545	6.490657947
Spec. Monitor	**T. Reconst. Mass**	18.88278575	15.84916054
FRM monitor	**Total Mass**	16.54777778	14.55333333


Comparison of PM2.5 mass composition
urban vs. rural sites
Annual Average 2004-2006
ug/m3
8
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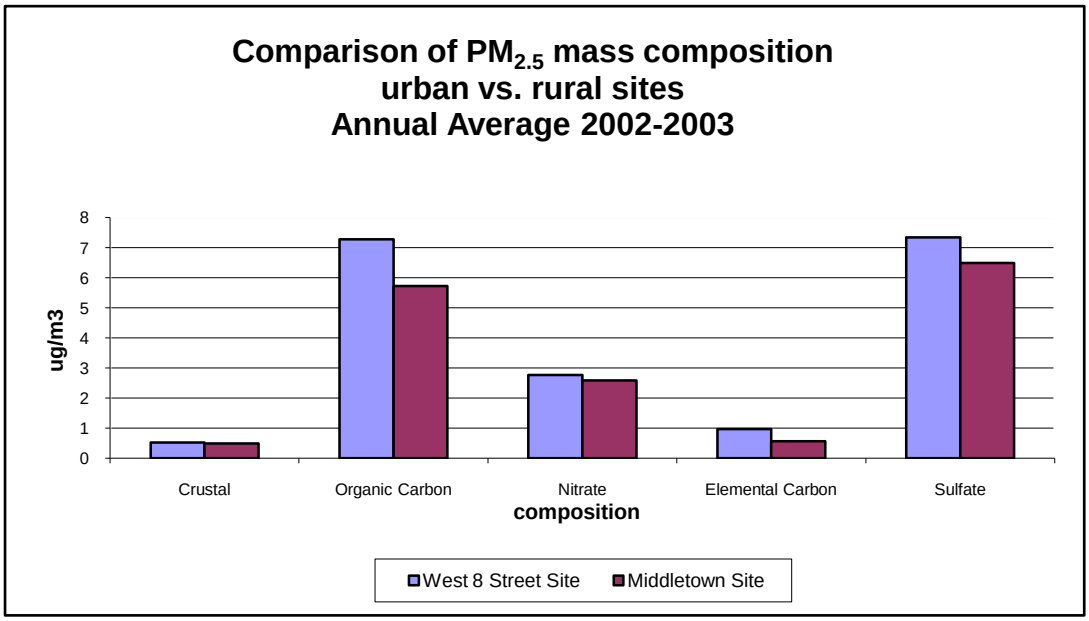
Crustal
Organic Carbon
Nitrate
Elemental Carbon
Sulfate
composition
H.Taft Site
Middletown Site


Comparison of PM2.5 mass composition
urban vs. rural sites
Annual Average 2002-2003
ug/m3
8
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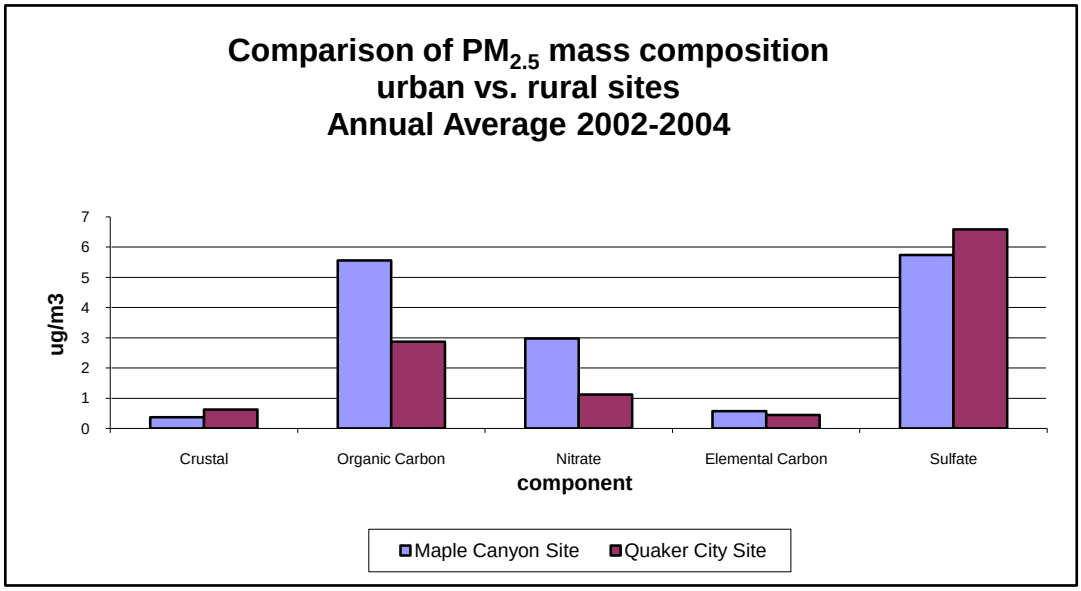
2
1
0
Crustal
Organic Carbon
Nitrate
Elemental Carbon
Sulfate
composition
West 8 Street Site
Middletown Site

	Average 2002-2004	Maple Canyon Site	Quaker City Site
	Crustal	0.367895837	0.622800659
	Organic Carbon	5.561758679	2.864966096
	Nitrate	2.975685015	1.124252088
	Elemental Carbon	0.576639424	0.444060259
	Sulfate	5.742431229	6.590860185
Spec. Monitor	**T. Reconst. Mass**	15.22441018	11.64693929
FRM monitor	**Total Mass**	14.92359551	

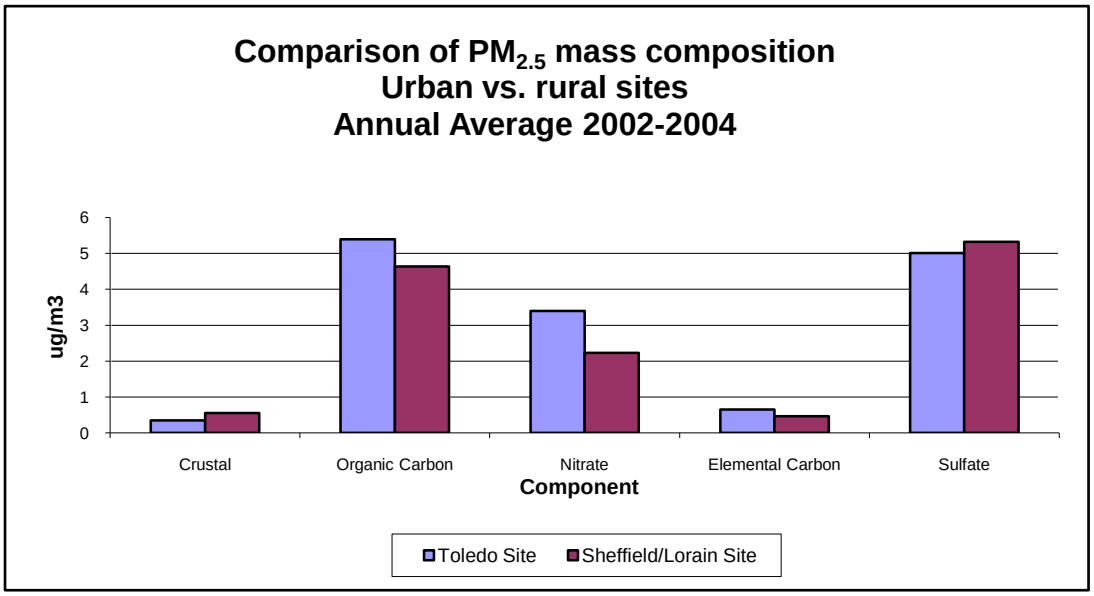


Average 2002-2004

		Toledo Site	Sheffield/Lorain Site
	Crustal	0.343243361	0.556072775
	Organic Carbon	5.39652742	4.637265152
	Nitrate	3.398724066	2.225139289
	Elemental Carbon	0.655003769	0.463746374
	Sulfate	5.009145392	5.319966461
Spec. Monitor	**T. Reconst. Mass**	14.80264401	13.20219005
FRM monitor	**Total Mass**	14.31784841	

Average 2005

		Toledo Site	Lorain/Lorain Site
	Crustal	0.29611329	0.685319838
	Organic Carbon	5.418237288	5.292
	Nitrate	3.593218475	3.332169231
	Elemental Carbon	0.680222034	0.532913462
	Sulfate	6.89719322	7.024730769
Spec. Monitor	**T. Reconst. Mass**	16.88498431	16.8671333
FRM monitor	**Total Mass**	15.66495726	


Comparison of PM2.5 mass composition
Urban vs. rural sites
Annual Average 2002-2004
ug/m3
0
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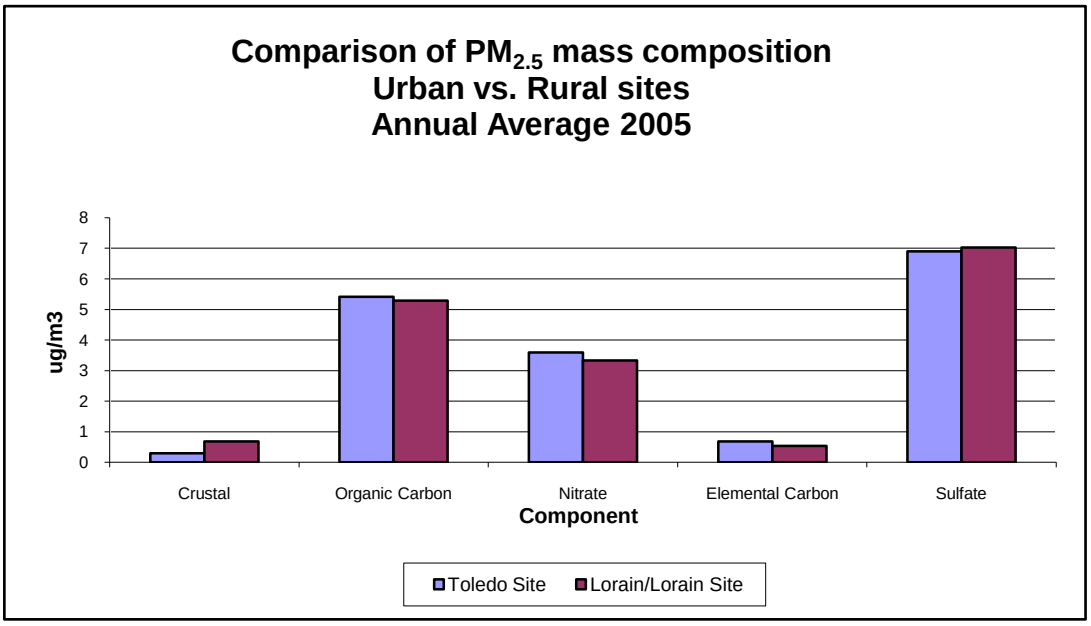
6
Crustal
Organic Carbon
Nitrate
Elemental Carbon
Sulfate
Component
Toledo Site
Sheffield/Lorain Site


Comparison of PM2.5 mass composition
Urban vs. Rural sites
Annual Average 2005
ug/m3
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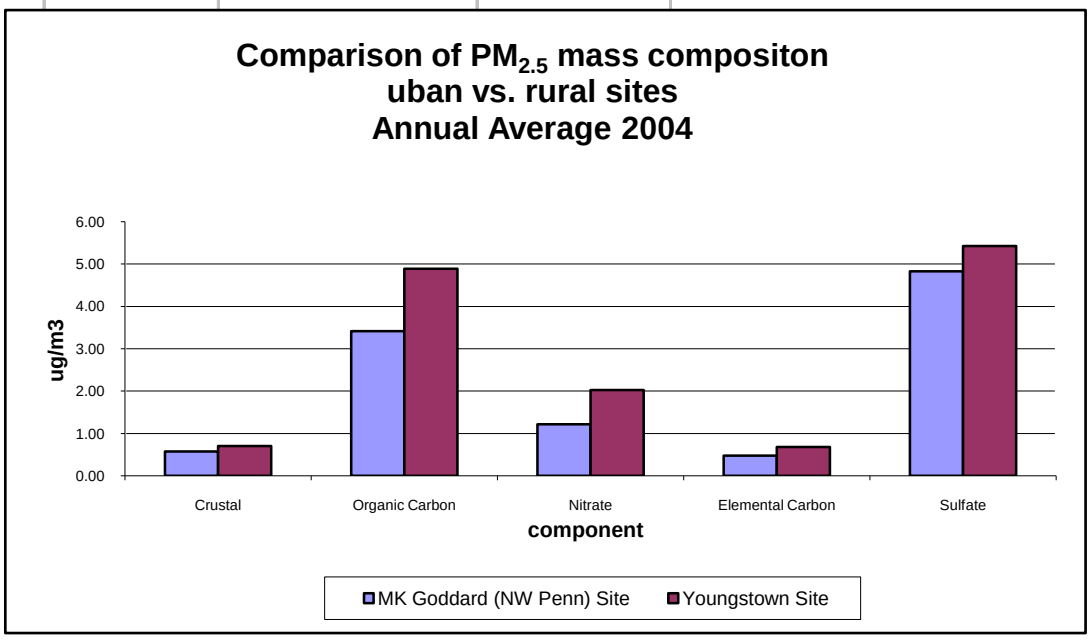
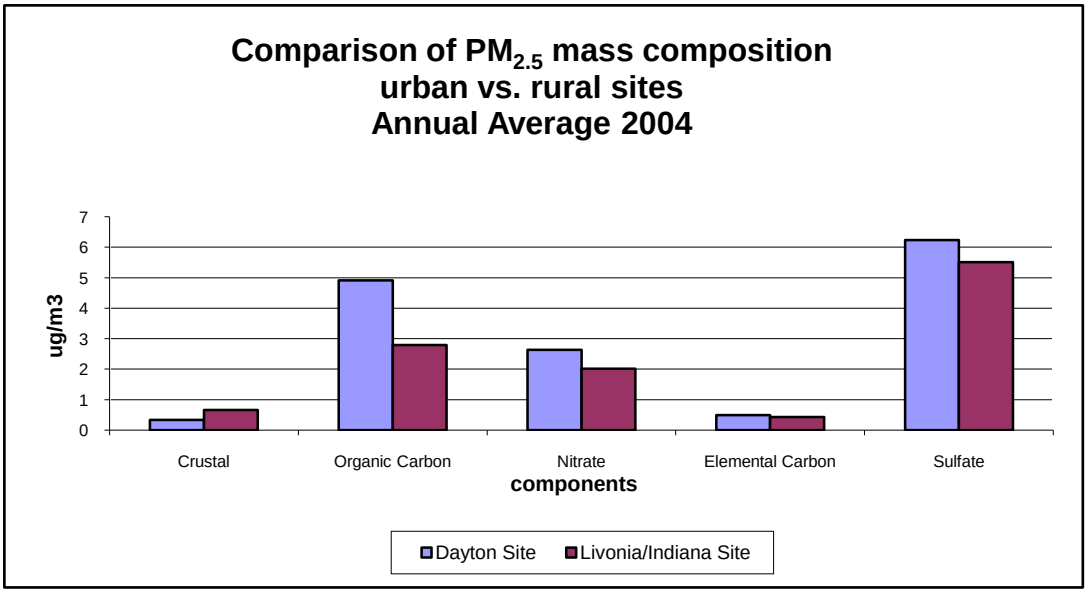
8
Crustal
Organic Carbon
Nitrate
Elemental Carbon
Sulfate
Component
Toledo Site
Lorain/Lorain Site

Average 2004

		Youngstown Site	MK Goddard (NW Penn) Site
	Crustal	0.700757287	0.57
	Organic Carbon	4.892766667	3.42
	Nitrate	2.0261385	1.21
	Elemental Carbon	0.683095	0.47
	Sulfate	5.424297	4.83
Spec. Monitor	**T. Reconst. Mass**	13.73	10.51
FRM monitor	**Total Mass**	14.70027855	

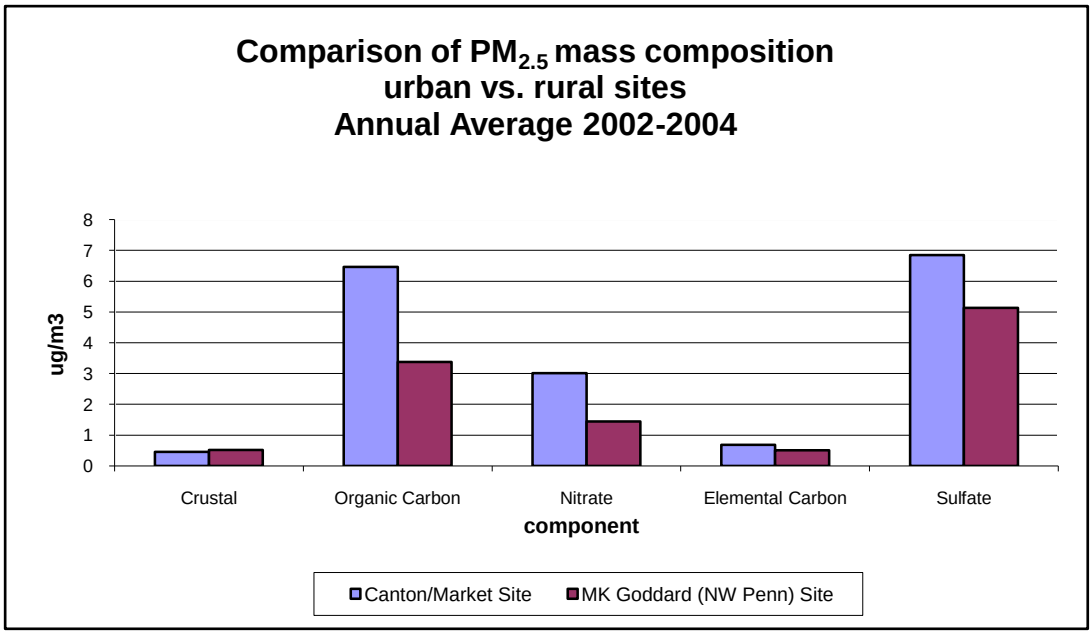


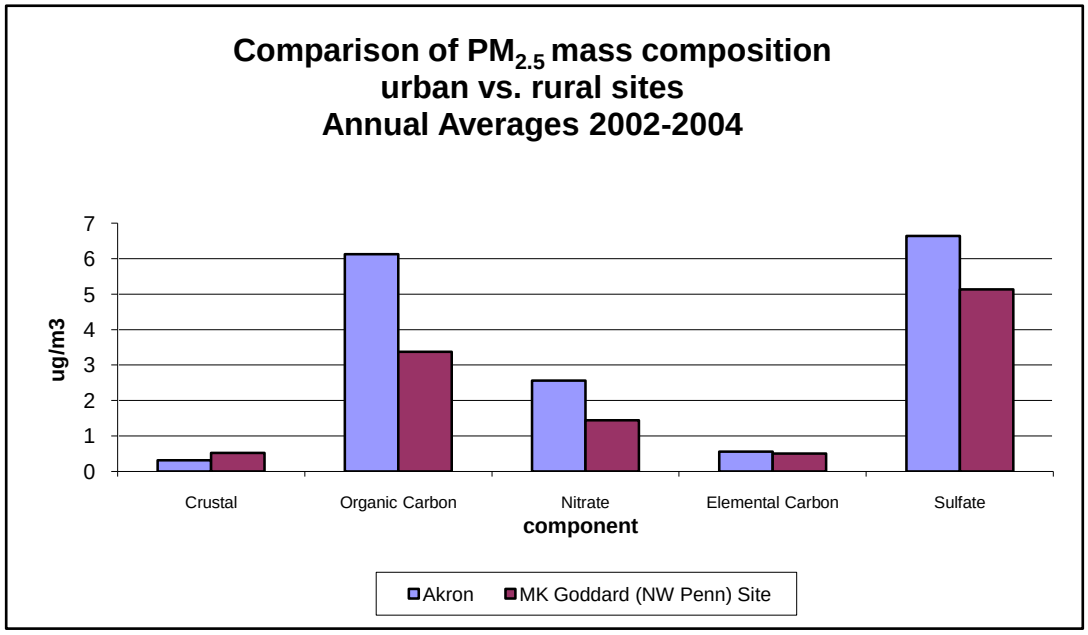
	Average 2004	Dayton Site	Livonia/Indiana Site
	Crustal	0.337866249	0.656311475
	Organic Carbon	4.909333333	2.790847458
	Nitrate	2.638508667	2.018991597
	Elemental Carbon	0.494915556	0.434322034
	Sulfate	6.23254	5.508991597
Spec. Monitor	**T. Reconst. Mass**	14.6131638	11.40946416
FRM monitor	**Total Mass**	13.92735043	



Average 2002-2004

		Canton/Market Site	MK Goddard (NW Penn) Site
	Crustal	0.451962624	0.521047509
	Organic Carbon	6.46475304	3.371472102
	Nitrate	3.014488332	1.440397214
	Elemental Carbon	0.683332492	0.508520034
	Sulfate	6.848126391	5.128500841
Spec. Monitor	**T. Reconst. Mass**	17.46266288	10.9699377
FRM monitor	**Total Mass**	15.0305136	



Average 2002-2004

		Akron	MK Goddard (NW Penn) Site
	Crustal	0.316660733	0.521047509
	Organic Carbon	6.126952211	3.371472102
	Nitrate	2.559240256	1.440397214
	Elemental Carbon	0.557208544	0.508520034
	Sulfate	6.640787271	5.128500841
Spec. Monitor	**T. Reconst. Mass**	16.20084902	10.9699377
FRM monitor	**Total Mass**	14.71153017