

MONTHLY SUMMARY SHEET



Summary Sheet For Sites :- Mayfield ASP10

Absolute Values (ng/m3)

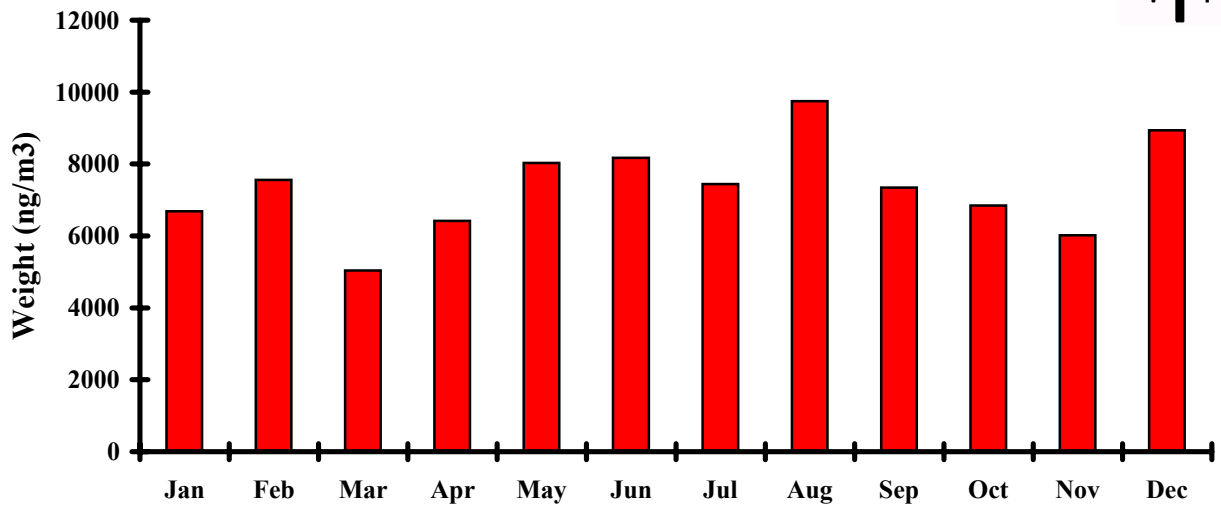
2005	Weight	NHSO4	Organ.	Soil	Elt. C.	Salt	K	Fe	Zn	Pb
Jan	6685	2186	208	689	699	3062	46	68	6	1
Feb	7562	2810	226	397	734	2982	40	60	7	3
Mar	5040	1570	207	543	769	1626	29	98	14	4
Apr	6419	1634	1112	556	1193	866	42	104	16	4
May	8029	1451	1966	836	1554	742	62	125	25	8
Jun	8176	1184	2228	695	1344	1106	58	99	19	13
Jul	7442	1178	1777	677	1383	437	50	108	18	11
Aug	9745	1534	2298	1096	1665	1228	80	198	46	19
Sep	7342	1740	1361	656	1258	947	52	118	24	9
Oct	6847	1680	813	575	1021	1923	43	79	19	4
Nov	6021	1626	155	324	745	2404	28	59	9	3
Dec	8940	2326	799	778	1029	3370	66	78	8	3
Average	7354	1743	1096	652	1116	1724	50	99	18	7
Stan Dev	1284	476	821	202	335	1008	15	38	11	5
Minimum	1577	399	0	74	246	0	13	1	0	0
Site : Date	10:9/10	10:9/10	10:2/1	10:6/11	10:9/1	10:30/3	10:10/7	10:6/11	10:20/11	10:2/1
Maximum	22455	5383	6467	2133	3228	8296	220	438	99	56
Site : Date	10:25/12	10:6/2	10:5/6	10:1/6	10:4/5	10:2/1	10:25/12	10:3/8	10:3/8	10:17/8

Relative Percentages (%)

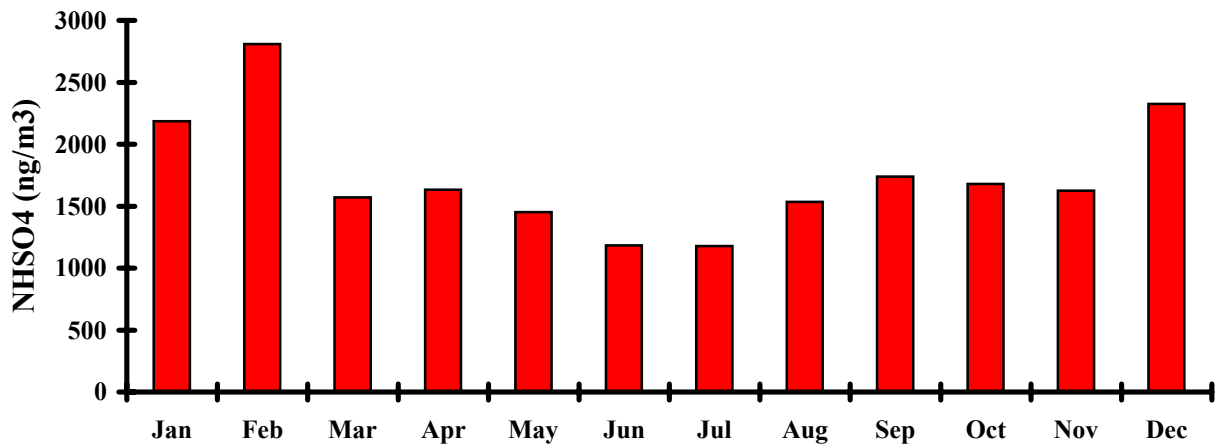
2005		NHSO4 %	Organ. %	Soil %	Elt. C. %	Salt %	RCMA %	
Jan		33	3	10	10	46	99	
Feb		37	3	5	10	39	96	
Mar		31	4	11	15	32	90	
Apr		25	17	9	19	13	83	
May		18	24	10	19	9	81	
Jun		14	27	8	16	14	82	
Jul		16	24	9	19	6	74	
Aug		16	24	11	17	13	81	
Sep		24	19	9	17	13	80	
Oct		25	12	8	15	28	84	
Nov		27	3	5	12	40	86	
Dec		26	9	9	12	38	95	
Average		24	14	9	15	24	86	
Stan Dev		7	10	2	3	14	8	
Minimum		5	0	1	3	0		
Site : Date		10:9/10	10:2/1	10:6/11	10:9/1	10:30/3		
Maximum		73	88	29	44	113		
Site : Date		10:6/2	10:5/6	10:1/6	10:4/5	10:2/1		



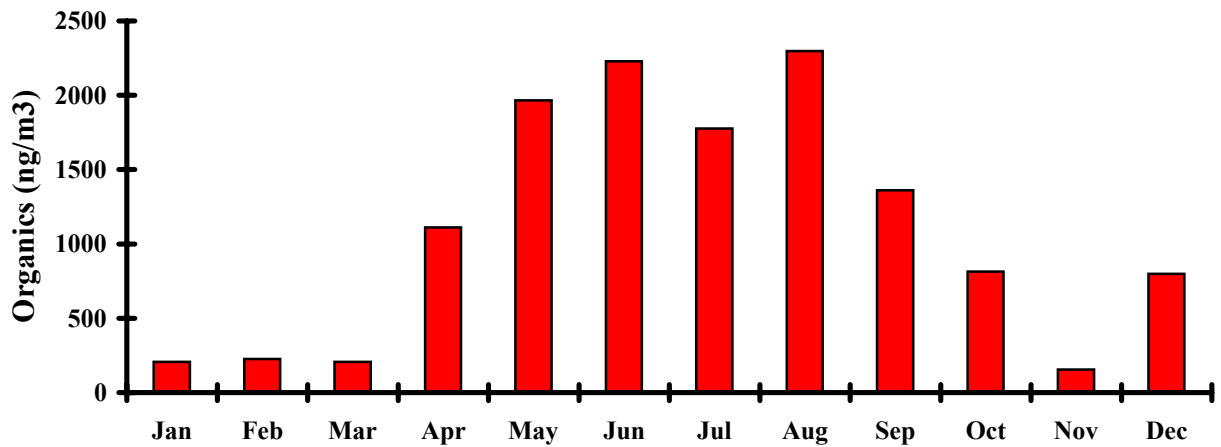
Weight vs Month



Ammonium Sulphate vs Month

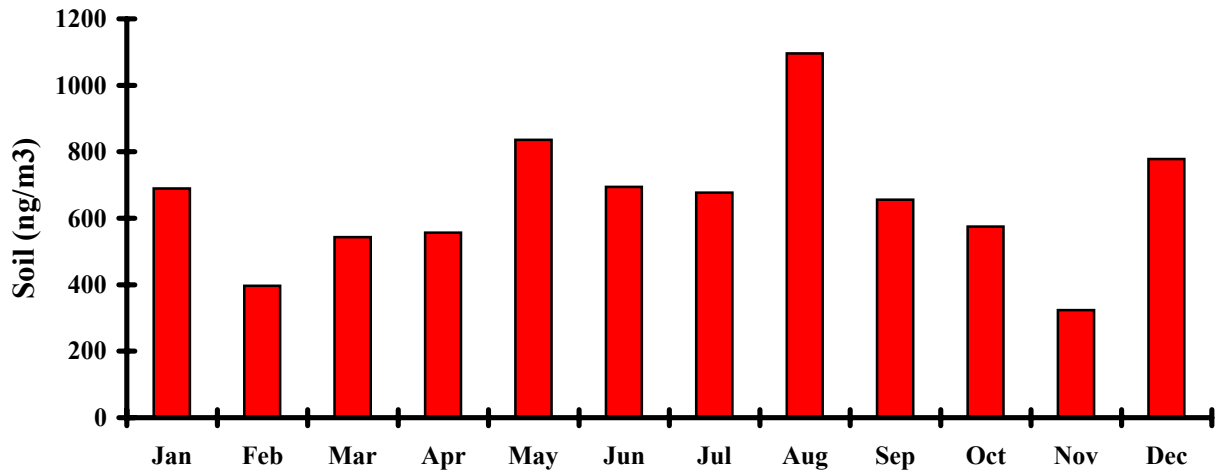


Organics vs Month

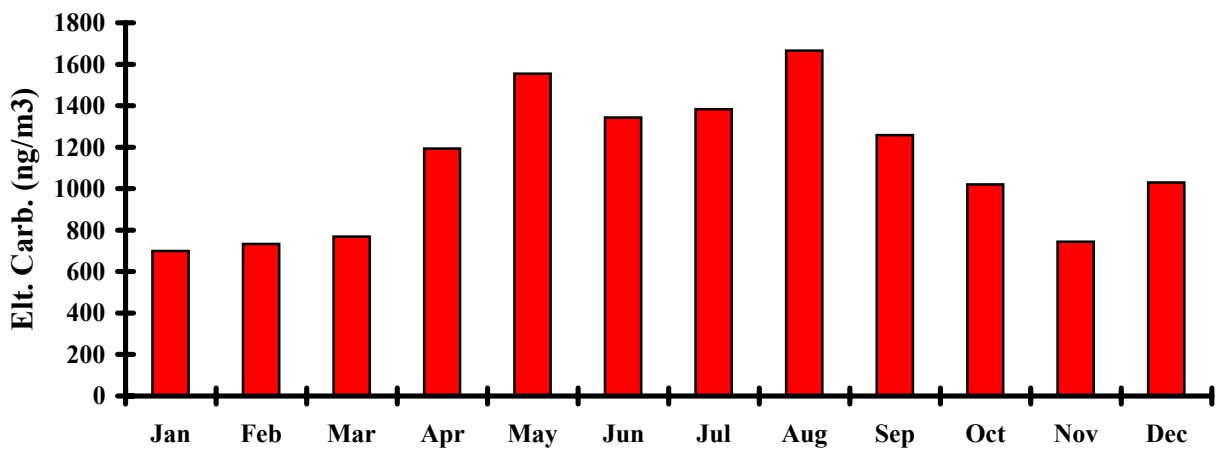




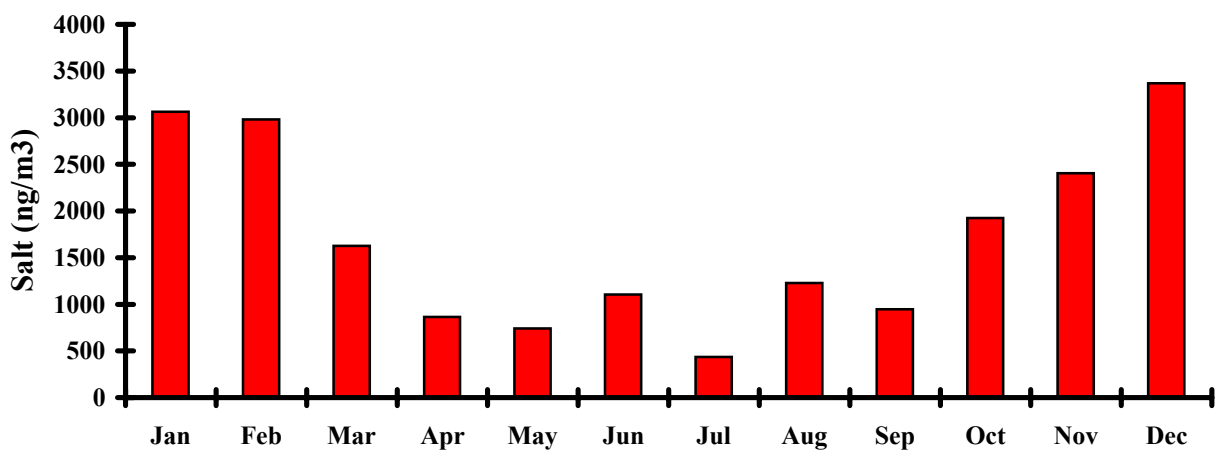
Soil vs Month



Elemental Carbon vs Month

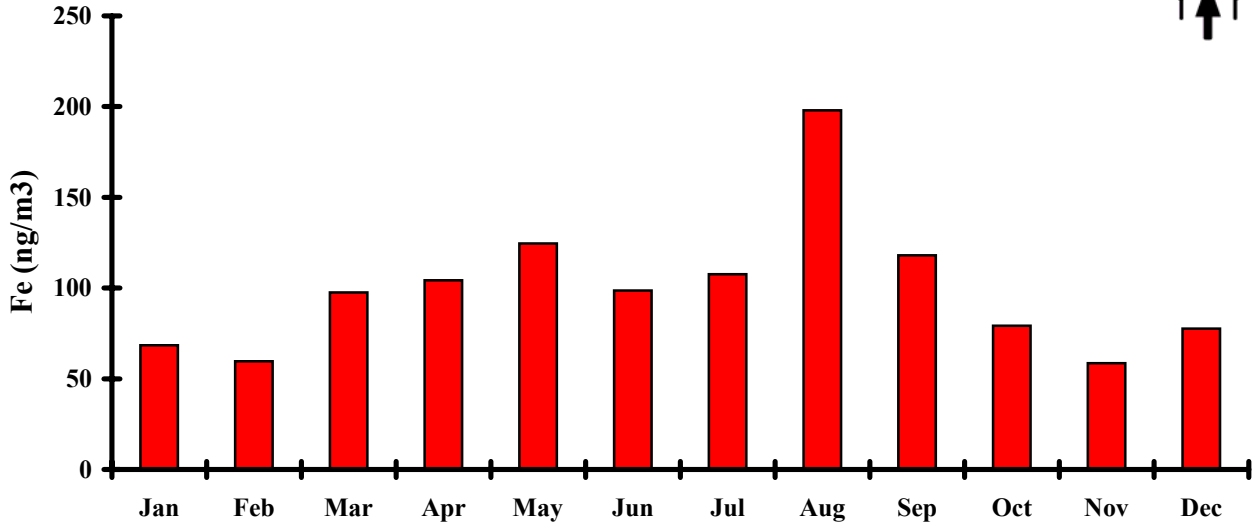


Salt vs Month

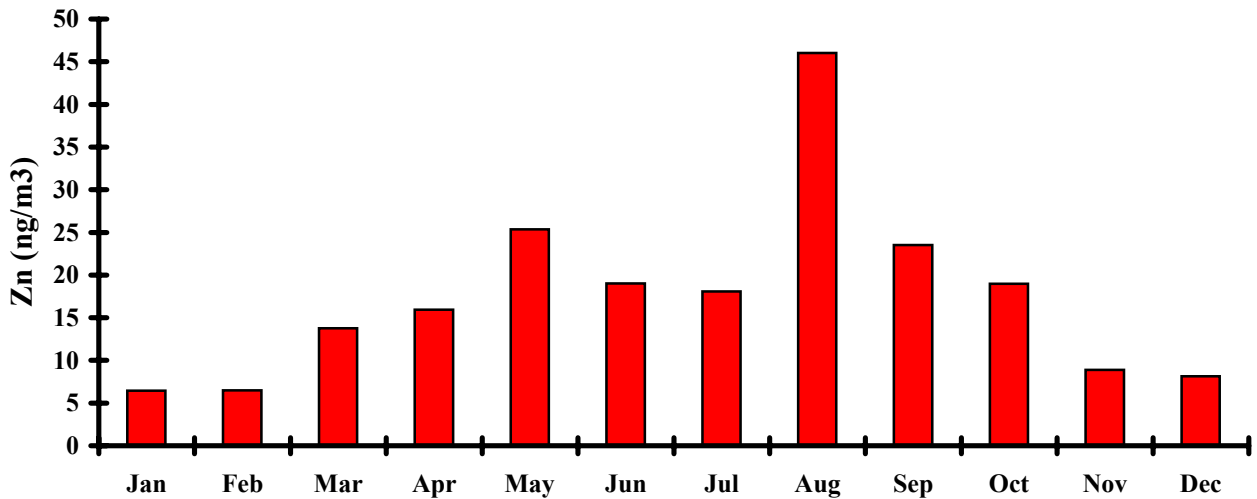




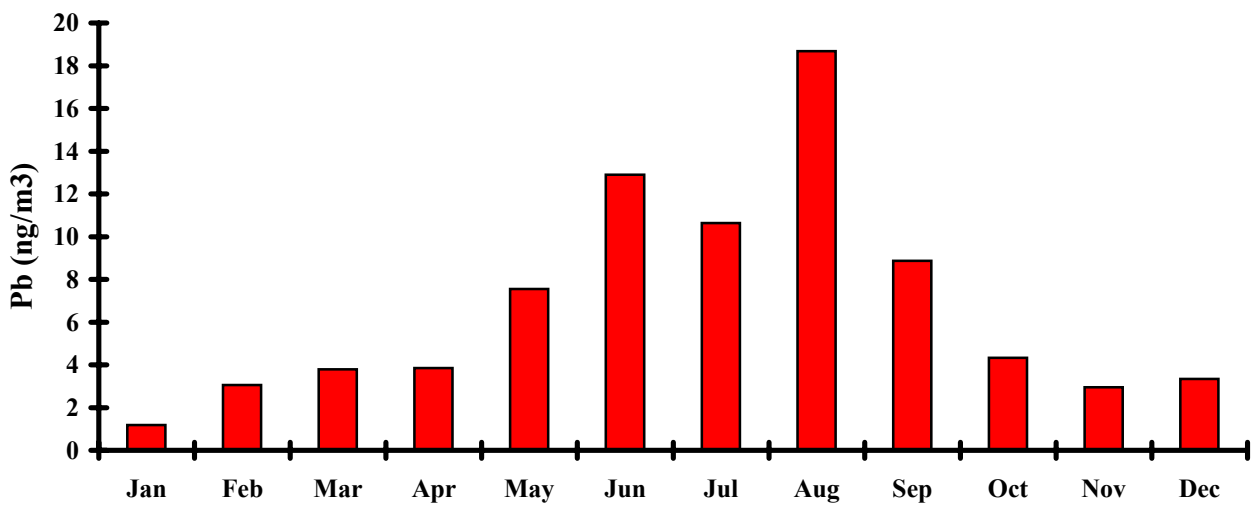
Iron vs Month



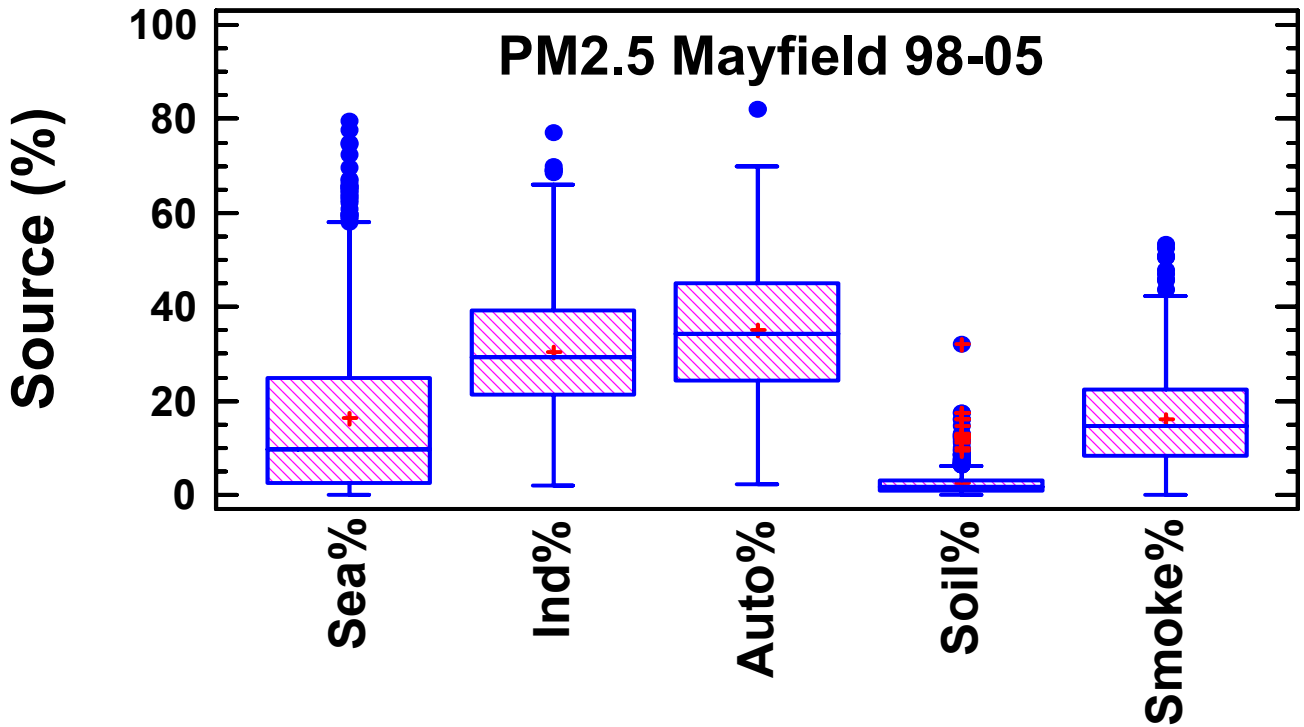
Zinc vs Month



Lead vs Month



Mayfield PM2.5 Average Source Contributions 98-05



Box and Whisker Plot with (+) Mean, (—) Median, (•) Outliers

Average Percentage Source Contributions for Mayfield from 1998-2005 (658 data points)

%Source	%Mean	StDev	%Median	%Max
Sea%	16	17	10	79
SndryS%	20	12	18	66
Auto%	35	14	34	82
Soil%	2.4	2.7	1.7	32
Smoke%	16	10	15	53
Ind%	11	11	7	69

Note: A 'Box and Whisker' plot is a compact way of expressing, in graphical form, a lot of data and information. In the plots below each box represents the width of the distribution of the individual measurements containing 25% (lower level) to 75% (upper level) of all the points measured. Hence the central box spans the middle 50% of the data points. The upper and lower vertical whiskers attached to each box represent the spread of points that are 1.5 times above and below the box limits respectively. All points outside the limits (outliers) represented by the box and the whiskers are plotted separately as individual dots. The median of the distribution is plotted as a solid horizontal line across each box and the mean as a small (+) sign usually adjacent to the median value and inside the box. A "Box and Whisker" plot shows the data in four areas of equal frequency, which allows you to visually examine the shape of the distribution to detect skewness and identify "outliers".