

however, there was no variation in concentrations with increasing distance from the roadside at sites within the background category.

7.1.9 Royal Borough of Kensington and Chelsea (Figure 9)

Mean concentrations ranged from 2 ppb, recorded at Park Offices, a background site (KC02), to 5 ppb, recorded at Warwick Road Service Station (KC03). Levels at the remaining three sites were below the Standard. There was a clear relationship between mean concentrations and distance from busy roadsides, with levels showing a general decrease with increasing distance from roadside.

7.1.10 Royal Borough of Kingston Upon Thames (Figure 10)

Mean concentrations ranged from 2 ppb, recorded at Beverly Boys School, Coombe Girls School and Portsmouth Road, all background sites (KT01, KT02 and KT04 respectively), to 4 ppb, recorded at Clarence Street, a roadside site (KT06). The AQS was not equalled or exceeded at any of the sites. There was a reasonably clear relationship between mean concentrations and distance from busy roadsides, with levels declining with increasing distance from roadside.

7.1.11 London Borough of Newham (Figure 11)

Mean concentrations were similar at all sites ranging from 2 ppb at Sites 2, 4 and 5 (two roadside and one background respectively), to 3 ppb at Site 3 (Romford Road). There were no exceedences of the AQS. There was no apparent relationship between mean concentrations and distance from busy roadsides. An annual mean concentration for Site 1 has not been included as data capture for the year is below 75%.

7.1.12 London Borough of Richmond (Figure 12)

There was a clear relationship between mean concentrations and distance from busy roadsides with levels declining with increasing distance from the roadside. A maximum level of 4 ppb was recorded at York Street in Twickenham - a roadside site. Levels at the remaining two sites were also below the AQS.

7.1.13 London Borough of Sutton (Figure 13)

Mean concentrations ranged from 2 ppb recorded at Devonshire Primary School (Site 2) and Sutton Cemetery (Site 3), both background locations, to 3 ppb recorded at the remaining sites. The AQS was not equalled or exceeded

7.2.8 London Borough of Harrow (Figure 23)

Temporal trends were similar at all five sites; a small peak was evident at all sites in July. Levels were generally highest at HW04 and HW05. Levels at all sites showed little month to month variation.

7.2.9 Royal Borough of Kensington and Chelsea (Figure 24)

Temporal trends were similar across all sites. The largest variation in values was recorded at KC05, a roadside site, where concentrations varied between 0 and 10 ppb. Consistently high values were recorded at KC03, a petrol station site, ranging from 8 to 15 ppb, however temporal trends for this site can not be properly established due to the limited data set available. Levels were most stable at the background sites KC02 and KC04, where values varied from 1 to 5 ppb. A slight peak was evident at all sites in August.

7.2.10 Royal Borough of Kingston Upon Thames (Figures 25a and 25b)

Figures 25a and 25b illustrate temporal trends at background and roadside sites respectively. Temporal trends were quite similar across all sites. A peak was evident at all sites in August, this was followed by an overall increase in levels from October to December. Levels were not consistently high at any one site

7.2.11 London Borough of Newham (Figure 26)

Figure 26 illustrates that levels at Site 2, a roadside site, showed greatest variation with concentrations ranging from 1 to 6 ppb. Levels across all remaining sites showed broadly similar trends with little intersite difference in both temporal trends and absolute values.

7.2.12 London Borough of Richmond (Figure 27)

Figure 27 illustrates temporal trends from May to December 1995. Temporal trends were similar at all sites. Levels were highest at RUT01, a roadside site, ranging from 2 ppb to 7 ppb. Levels were more stable at the background site RUT04 where concentrations varied between 1 and 4 ppb, the latter value being recorded in the December monitoring period.

7.2.13 London Borough of Sutton (Figure 28)

Temporal trends from April to December are shown in Figure 28. Concentrations across all sites showed similar trends with little intersite difference in both temporal trends and absolute values. Levels remained quite

Figure 12. Annual Mean Benzene Concentrations – 1995
London Borough of Richmond

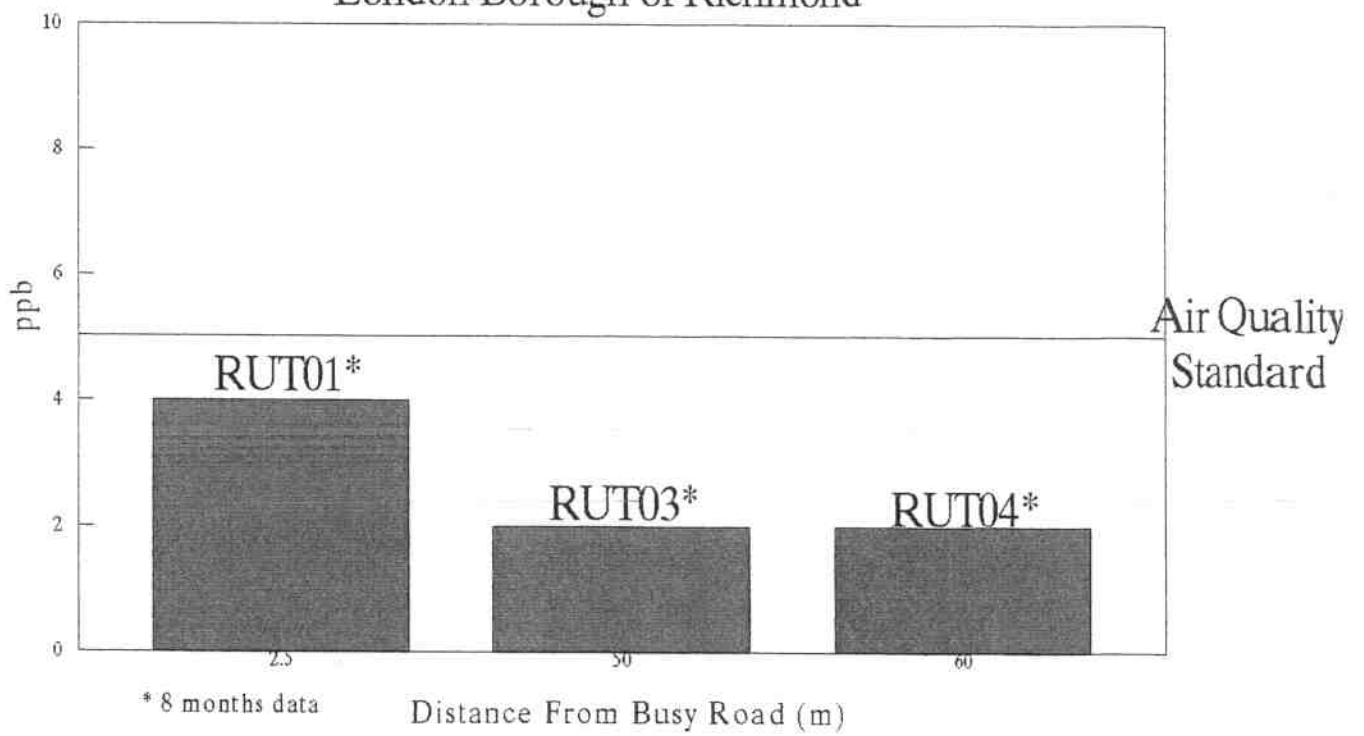
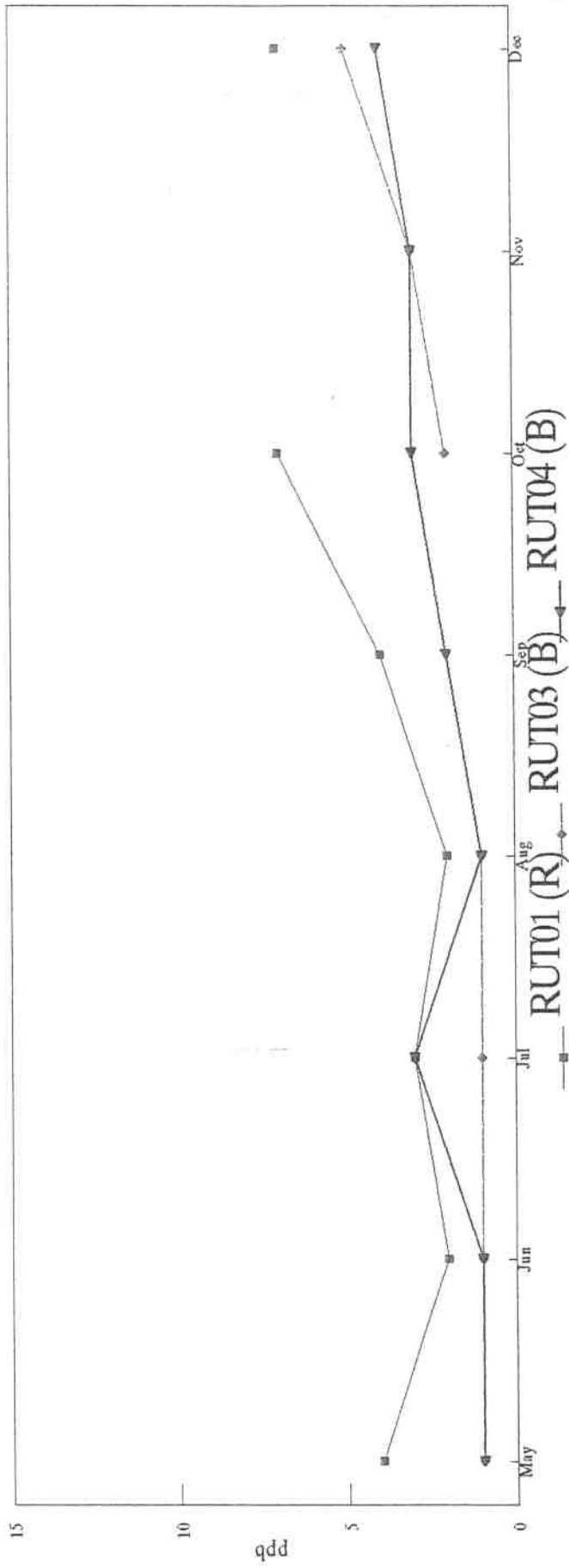


Figure 27. Temporal Variation – London Borough of Richmond



Royal Borough of Kingston Upon Thames

Site Code	Location	Distance from Busy Road (m)	Classification
KT 01	Coombe Girl's School	270	background
KT 02	Beverly Boy's School	130	background
KT 03	Chessington Community College	100	background
KT 04	Portsmouth Road	70	background
KT 05	Eden Street	4	roadside
KT 06	Clarence Street	3	roadside
KT 07	Clarence Street	10	roadside

London Borough of Newham

Site Code	Location	Distance from Busy Road (m)	Classification
Site 1	Mortuary, High Street South	12.6	roadside
Site 2	West Ham Town Hall	30	roadside
Site 3	Salisbury School, Romford Road	6.3	roadside
Site 4	Junction North Circular/Newham Road	1.2	roadside
Site 5	Mayflower Nursery	143	background

London Borough of Richmond

Site Code	Location	Distance from Busy Road (m)	Classification
RUT01	York Street, Twickenham	2.5	roadside
RUT02 RUT03	Alexandra Hall, Mortlake	50	background
RUT03 RUT04	Waldegrave Road, Teddington	50-70	background