

Full Monthly Diffusion Tube Results for 2019

Table – NO₂ Monthly Diffusion Tube Results - 2019

Site Ref	Site name	NO ₂ Mean Concentrations (µg/m ³)														
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean		
		Raw Data	Bias Adjusted (0.93) and Annualised ⁽¹⁾	Distance Corrected to Nearest Exposure ⁽²⁾												
6	Broad Street, Hereford	35.50	36.11	25.40	23.29	22.68	21.67	19.50	22.56	23.61	27.67	30.20	27.03	26.3	24.43	20.7
9	Bus Stop, Victoria Street, Hereford (A49)	44.23	57.15	34.34	39.13	35.70	32.73	31.71	28.34	26.52	35.05	39.97	39.82	37.1	34.46	n/a
10	7 Victoria Street, Hereford (A49)	51.01	49.41	38.26	47.25	37.72	0.00	34.02	35.90	38.17	46.46	44.31	42.14	42.2	39.28	n/a
22	Façade Edgar/ Mor St, Hfd (A49)	35.77	42.85	27.67	33.72	25.42	25.89	23.38	21.19	26.11	29.52	34.92	30.32	29.7	27.65	n/a
32	Weir End, Ross (A40)	33.30	33.31	29.60	24.03	26.64	24.67	23.02	23.53	17.26	27.26	31.28	26.67	26.7	24.85	n/a
33	House façade, Wilton (A40)	32.41	34.27	23.47	30.64	26.26	24.63	23.75	22.70	24.90	26.67	28.15	24.52	26.9	24.98	n/a

46	Bengry's Lights, Leominster (A44)	44.77	48.05	34.25	32.71	33.39	31.91	31.03	35.45	34.64	31.51	32.66	40.09	35.9	33.36	n/a
53	Façade, Belmont Rd/Asda Junc Hfd	38.29	42.83	31.73	30.54	27.82	32.14	27.76	27.35	31.59	32.52	38.85	31.46	32.7	30.45	n/a
54	House façade, Holmer Rd Hfd (A49)	34.24	25.33	23.16	25.55	24.28	23.13	21.38	18.77	22.59	24.60	31.66	23.53	24.9	23.11	n/a
57	Eign Street, Hereford (A438)	40.03	36.88	29.91	31.91	29.56	27.50	26.07	0.00	27.70	26.80	36.25	28.11	31.0	28.81	26.4
59	Façade, Widemars h St, Town Hfd	30.72	28.37	19.93	21.15	17.14	16.69	15.16	14.50	18.90	23.71	25.11	22.19	21.1	19.65	n/a
61a	29 Bargates, Leominster (A44)	44.58	55.38	47.36	42.65	44.26	38.50	35.44	42.63	39.70	46.57	37.88	37.90	42.7	39.75	n/a
61b	35 Bargates, Leominster (A44)	59.27	64.92	49.02	46.21	48.59	45.95	43.04	46.22	47.05	44.45	49.18	50.09	49.5	46.03	n/a
65	96 Whitecross Road, Hfd (A438)	42.30	37.29	30.50	39.72	32.11	32.10	26.02	22.11	32.25	34.74	40.35	29.34	33.2	30.91	25.9

74	140 Whitecross Rd, Hfd (A438)	27.86	26.33	18.90	16.79	14.39	15.10	14.21	13.23	16.79	21.46	18.45	21.31	18.7	17.42	n/a
75	22 Barton Road, Hfd	33.24	30.85	22.01	29.24	22.09	22.40	19.62	19.51	19.97	12.89	32.61	23.81	24.0	22.34	18.3
79	76 Belmont Road, Hfd (A465)	32.80	37.65	26.01	33.61	28.76	32.15	24.65	30.23	23.94	35.53	33.31	30.43	30.8	28.60	22.8
82	Cantilupe Road 1 (Flats), Ross-on-Wye	29.23	27.24	20.94	23.79	19.46	17.55	16.75	15.29	18.35	20.45	26.87	23.15	21.6	20.08	17.5
84	Kings Acre Rd, Hfd (A438)	16.70	12.53	11.19	13.65	10.22	10.14	7.53	7.50	8.68	8.18	14.69	13.82	11.2	10.45	n/a
85	Huntington Lane, Hfd	13.61	13.27	5.76	9.47	5.52	5.69	5.03	4.92	6.90	8.26	12.63	12.49	8.6	8.03	n/a
86	Three Elms Rd, Hfd (A4110)	19.99	21.22	11.74	19.16	12.61	11.49	11.23	9.50	11.74	18.48	23.73	21.43	16.0	14.91	n/a
87	Nr Cemetery, Victoria St, Hfd (A49)	40.31	43.68	20.25	39.85	25.27	0.00	29.58	28.77	31.41	23.00	40.48	29.62	32.0	29.78	n/a
88	Adj 34 Victoria St, Hfd (A49)	44.88	42.52	34.64	36.69	35.87	31.61	27.63	25.69	23.77	31.78	41.49	31.68	34.0	31.64	n/a

89	Edgar St/Blackfriars St Junc, Hfd (A49)	47.05	53.30	36.28	42.16	33.35	34.12	34.25	34.32	35.96	43.49	42.40	39.40	39.7	36.90	30.8
90	Cross Street, Asda Traffic Island, Hfd	33.40	32.16	26.86	30.09	27.02	28.37	20.45	19.43	25.10	29.11	30.04	24.27	27.2	25.29	22
91	Ross Road/Asda Traffic Island, Hfd (A49)	52.33	48.68	51.96	33.89	41.30	36.57	39.07	37.85	38.58	44.38	39.98	35.22	41.7	38.74	31.9
92	Rotherwas Industrial Estate, Hfd	24.38	17.79	14.39	14.53	12.11	10.38	10.24	8.02	11.18	15.44	21.16	15.08	14.6	13.54	n/a
93	Rotherwas Relief Road, Hereford (B4399)	16.99	10.06	10.27	13.13	9.39	11.09	9.19	6.54	8.87	12.40	16.74	10.33	11.3	10.46	n/a
94	Edgar St opp Nolan Rd, Hfd (A49)	45.66	43.33	31.75	30.79	28.16	28.49	25.23	0.00	18.33	29.82	35.16	30.80	31.6	29.38	27
95	Edgar St. nr Prior St. Hfd (A49)	63.18	57.37	46.54	40.76	44.28	28.69	24.99	33.08	31.55	35.37	35.91	35.41	39.8	36.98	33.5
96	Edgar St. nr Junc Newtown Rd (A49)	42.72	50.27	29.79	38.15	26.72	36.16	31.37	42.78	44.19	47.68	38.68	47.00	39.6	36.85	n/a

97	Newtown Rd, nr Postbox, Hfd	32.64	32.69	26.92	24.81	25.74	21.94	20.10	0.00	23.22	30.87	35.69	28.23	27.5	25.60	25.2
98	Link Road A, Hereford	31.18	24.38	19.24	20.26	16.00	16.69	15.08	13.65	19.17	26.55	30.55	24.39	21.4	19.93	n/a
99	Link Road B, Hereford	29.23	29.49	19.08	20.52	15.93	16.29	13.91	14.48	16.73	23.83	26.54	22.33	20.7	19.25	n/a
100	Link Road C, Hereford	33.89	32.27	20.74	24.11	17.74	19.05	17.23	16.93	21.52	27.01	31.91	28.01	24.2	22.51	n/a
101	Widemars h St, opp Garrick CP, Hfd	44.88	45.38	33.65	35.18	29.24	30.34	25.60	30.74	32.13	34.08	39.23	37.60	34.8	32.40	n/a
102	Widemars h St. nr juct Link Road, Hfd	35.20	34.13	23.75	30.67	23.90	22.52	21.87	19.15	24.74	30.36	37.52	30.03	27.8	25.87	25.2
103	Bus stop, Newmarket Street, Hfd (A438)	49.85	41.52	36.50	35.31	34.73	33.37	26.08	30.20	32.91	35.11	42.27	33.23	35.9	33.41	n/a
104	Wall Street, Hereford	40.36	41.92	29.61	38.61	31.26	30.05	23.61	28.64	32.40	38.81	36.48	40.43	34.3	31.94	n/a
105	Aylestone Hill/Barscourt Rd, Hfd	38.21	30.95	26.52	29.77	32.37	27.13	26.69	26.93	27.15	29.93	34.04	31.24	30.1	27.97	26.6
106	Commercial Road, Hfd	41.84	36.64	33.71	35.15	26.58	33.03	27.47	0.00	31.35	34.18	0.00	34.27	33.4	31.08	28

107	St Mary's Church, Grandstand Rd, Hfd (A49)	35.37	34.59	23.54	28.14	22.39	21.13	20.13	19.06	23.98	26.87	33.90	29.60	26.6	24.70	23.7
108	Roman Road, Hereford (A4103)	34.58	0.00	19.97	23.89	19.59	18.90	20.24	17.21	21.90	27.23	32.35	31.29	24.3	22.59	n/a
109	Bargates, opp Perseverance Rd Leominster	41.40	43.66	34.92	34.21	30.94	31.97	28.75	36.87	31.37	32.12	35.92	36.12	34.9	32.41	n/a
110	56 Bargates, (HR6 8EY), Leominster (A44)	36.41	32.65	0.00	31.46	18.89	21.36	20.39	14.94	22.44	23.65	28.21	20.51	24.6	22.90	17.4
111	Bargates Nursery, Leominster (A44)	39.84	30.46	0.00	37.83	0.00	27.33	0.00	0.00	21.55	23.87	25.03	25.91	29.0	25.86a	n/a

Local bias adjustment factor used

National bias adjustment factor used

Annualisation has been conducted where data capture is <75%

Where applicable, data has been distance corrected for relevant exposure

Notes:

a = annualised data, using Leominster Automatic Monitoring and Rural Network and the Hereford Victoria Street automatic monitor.

Please note the Hereford Victoria Street analyser is located in a ROADSIDE LOCATION.

Exceedances of the NO₂ annual mean objective of 40µg/m³ are shown in **bold**.

NO₂ annual means exceeding 60µg/m³, indicating a potential exceedance of the NO₂ 1-hour mean objective are shown in **bold and underlined**.

(1) Bias adjustment and annualisation.

(2) Distance corrected to nearest relevant public exposure.

The background NO₂ levels for the NO₂ fall off calculations were identified using Defra background maps with the following grid references 350500, 240500 (Herefordshire sites), 360500, 224500 (Ross-on-Wye site) and 349500, 259500 (Leominster site).