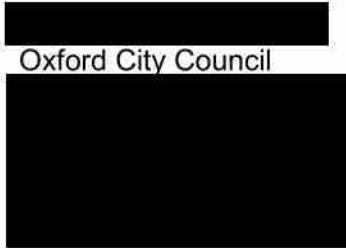




Customer:



Oxford City Council

Testing Facility:

SOCOTEC  
Unit 12  
Moorbrook  
Southmead Industrial  
Park  
Didcot  
Oxfordshire  
OX11 7HP

Quotation  
Number:

DIF-ANU-11392  
(Period 3)

Samples  
Received:

08 April 2024

Customer  
Order Number:

Analysis  
Completed:

18 April 2024

Customer  
Reference:

Report Date:

19 April 2024

## Nitrogen Dioxide Diffusion Tube Analysis Report

The samples have been analysed in accordance with SOCOTEC's standard operating procedure ANU/SOP/1015. This method meets the guidelines set out in DEFRA's 'Diffusion Tubes for Ambient NO<sub>2</sub> Monitoring: Practical Guidance.'

The tubes were prepared by spiking acetone:triethanolamine (50:50) onto the grids prior to the tubes being assembled. The tubes were desorbed with distilled water and the extract analysed using a segmented flow auto analyser with ultraviolet detection. All samples were received in good condition, unless otherwise stated in the comments field of results table. Please note:

- (i) As set out in the practical guidance, the results were initially calculated assuming an ambient temperature of 11°C, the reported values **have** been adjusted to 20°C to allow for direct comparison with EU limits.
- (ii) The reported results have not been bias adjusted.

This analysis of diffusion tube samples to determine the amount of nitrogen dioxide present on the tube is within the scope of our UKAS schedule. Any further calculations and assessments requiring exposure details and conditions fall outside the scope of our accreditation. In the AIR PT intercomparison scheme for comparing spiked Nitrogen Dioxide diffusion tubes, SOCOTEC currently holds the highest rank of a **Satisfactory** laboratory.

This report shall not be reproduced except in full without approval of the laboratory.

Approved By



1252



Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m <sup>-3</sup>	ppb	Comments
OCC/24B/NB3S1	Oxey Mead Lake 1	07/03/2024 12:40	04/04/2024 08:15	667.58	0.38	8.2	4.3	
OCC/24B/NB3S2	Oxey Mead Lake 2	07/03/2024 12:40	04/04/2024 08:15	667.58	0.56	12.1	6.3	Spider webs
OCC/24B/NB3S3	Oxey Mead Lake 3	07/03/2024 12:40	04/04/2024 08:15	667.58	0.8	17.2	8.9	
OCC/24B/NB3S4	Wolvercote Village	07/03/2024 12:53	04/04/2024 08:25	667.53	0.52	11.1	5.8	
OCC/24B/NB3S5	Wolvercote Primary School	07/03/2024 13:00	04/04/2024 08:30	667.50	0.46	9.9	5.1	
OCC/24B/NB3S6	306 Woodstock Road	07/03/2024 13:09	04/04/2024 08:35	667.43	0.83	17.7	9.2	
OCC/24B/NB3S7	339 Bambury Road	07/03/2024 13:10	04/04/2024 08:40	667.50	1.19	25.6	13.3	
OCC/24B/NB3S8	191 Woodstock Road	07/03/2024 13:19	04/04/2024 08:45	667.43	1.03	22.1	11.5	
OCC/24B/NB3S9	48 Woodstock Road	07/03/2024 13:27	04/04/2024 08:50	667.38	1.05	22.6	11.7	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m <sup>-3</sup>	ppb	Comments
OCC/24B/NB3S10	99 Bambury Road	07/03/2024 13:24	04/04/2024 08:55	667.52	0.72	15.6	8.1	
OCC/24B/NB3S11	9 S.Parks Road	07/03/2024 13:38	04/04/2024 09:02	667.40	0.99	21.2	11	
OCC/24B/NB3S12	15 Bambury Road	07/03/2024 13:47	04/04/2024 09:06	667.32	0.88	18.8	9.8	
OCC/24B/NB3S13	76 Walton Street	07/03/2024 13:50	04/04/2024 09:15	667.42	0.86	18.4	9.6	
OCC/24B/NB3S14	69 Kingston Road	07/03/2024 13:53	04/04/2024 09:18	667.42	0.69	14.8	7.7	
OCC/24B/NB3S15	Park End St	07/03/2024 14:00	04/04/2024 09:25	667.42	1.25	26.8	13.9	
OCC/24B/NB3S16	St Aldates 61	07/03/2024 14:07	04/04/2024 09:30	667.38	1.18	25.5	13.2	
OCC/24B/NB3S17	94 Howard St/ Catherine St	07/03/2024 14:20	04/04/2024 12:41	670.35	0.5	10.7	5.6	
OCC/24B/NB3S18	110 Magdalen Rd/Hurst St	07/03/2024 14:26	04/04/2024 12:45	670.32	0.53	11.4	5.9	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m <sup>-3</sup>	ppb	Comments
OCC/24B/NB3S19	Iffley Road/ Stanley Road	07/03/2024 14:30	04/04/2024 12:48	670.30	0.97	20.8	10.8	
OCC/24B/NB3S20	26 Prince St							Lost
OCC/24B/NB3S21	East Oxford Primary	07/03/2024 14:40	04/04/2024 13:05	670.42	0.65	14	7.3	
OCC/24B/NB3S22	K3 Morrel Avenue	07/03/2024 14:48	04/04/2024 13:18	670.50	0.69	14.7	7.6	
OCC/24B/NB3S23	Morrel Av. Bus Stop	07/03/2024 14:50	04/04/2024 13:20	670.50	0.55	11.8	6.1	
OCC/24B/NB3S24	189 Divinity Rd	07/03/2024 14:53	04/04/2024 13:23	670.50	0.48	10.3	5.4	
OCC/24B/NB3S25	Headington Hill	07/03/2024 15:07	04/04/2024 13:35	670.47	2.79	59.7	31	
OCC/24B/NB3S26	Marston Road (St Michaels)	07/03/2024 15:15	04/04/2024 13:43	670.47	0.67	14.2	7.4	
OCC/24B/NB3S27	Headley Way 189	07/03/2024 15:25	04/04/2024 13:49	670.40	0.91	19.4	10.1	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m <sup>-3</sup>	ppb	Comments
OCC/24B/NB3S28	255 London Road/Gladstone Road	07/03/2024 15:36	04/04/2024 13:56	670.33	1.23	26.3	13.7	
OCC/24B/NB3S29	JR	07/03/2024 15:48	04/04/2024 14:07	670.32	1.03	22	11.5	
OCC/24B/NB3S30	Marston Ferry Rd/Cherwell Drive	07/03/2024 16:01	04/04/2024 14:13	670.20	0.73	15.5	8.1	
OCC/24B/NB3S31	Marsh Lane 39	07/03/2024 16:05	04/04/2024 14:19	670.23	0.76	16.3	8.5	
OCC/24B/NB3S32	Cotteslowe Park	07/03/2024 16:11	04/04/2024 14:23	670.20	0.77	16.5	8.6	
OCC/24B/NB3S33	Phillips Tyres	07/03/2024 16:20	04/04/2024 14:30	670.17	1.51	32.3	16.8	
OCC/24B/NB3S34	Horspath Driftway	07/03/2024 16:34	04/04/2024 14:56	670.37	0.99	21.1	11	
OCC/24B/NB3S35	126 The Slade	07/03/2024 16:56	04/04/2024 14:43	669.78	0.48	10.2	5.3	
OCC/24B/NB3S36	109 Old Road	07/03/2024 16:58	04/04/2024 14:39	669.68	0.75	16	8.3	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m <sup>-3</sup>	ppb	Comments
OCC/24B/NB3S37	99 Oliver Road	07/03/2024 16:41	04/04/2024 14:49	670.13	1.61	34.3	17.9	
OCC/24B/NB3S38	Brasenose Farm	07/03/2024 17:04	04/04/2024 14:59	669.92	1.61	34.4	17.9	
OCC/24B/NB3S39	Garsington Rd 22	07/03/2024 17:24	04/04/2024 15:06	669.70	0.82	17.6	9.2	
OCC/24B/NB3S40	119 Barns Road	07/03/2024 17:30	04/04/2024 15:12	669.70	0.76	16.3	8.5	
OCC/24B/NB3S41	Church Cowley	07/03/2024 17:45	04/04/2024 15:17	669.53	1.07	23	12	
OCC/24B/NB3S42	Newman Road	07/03/2024 17:50	04/04/2024 15:24	669.57	1.52	32.4	16.9	
OCC/24B/NB3S43	A24 Wolercote Meadows	07/03/2024 18:00	04/04/2024 15:44	669.73	1.64	35	18.2	
OCC/24B/NB3S44	A24 Wolvercote Meadow 2	07/03/2024 18:08	04/04/2024 15:49	669.68	1.31	28.1	14.6	

