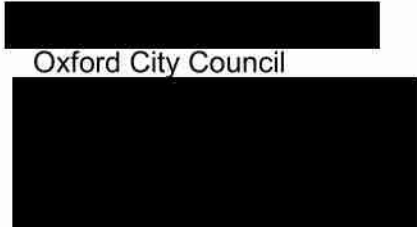




Customer:



Oxford City Council

Testing Facility:

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

Quotation
Number:

DIF-ANU-11392
(Period 2)

Samples
Received:

11 March 2024

Customer
Order Number:

Analysis
Completed:

25 March 2024

Customer
Reference:

Report Date:

26 March 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 NO₂ Monitoring: Practical Guidance.'

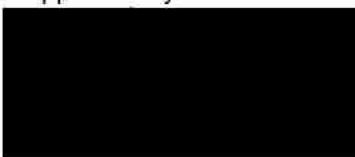
The tubes were prepared by spiking acetone:triethanolamine (50:50) onto the grids prior to the tubes being assembled. The tubes were desorbed with distilled water and the extract analysed using a segmented flow auto analyser with ultraviolet detection. All samples were received in good condition, unless 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 ⁻³	ppb	Comments
OCC/24B/NB2S1	Oxey Mead Lake 1	01/02/2024 08:20	07/03/2024 12:40	844.33	0.65	11	5.7	
OCC/24B/NB2S2	Oxey Mead Lake 2	01/02/2024 08:20	07/03/2024 12:40	844.33	0.83	14.2	7.4	Spider
OCC/24B/NB2S3	Oxey Mead Lake 3	01/02/2024 08:20	07/03/2024 12:40	844.33	1.1	18.6	9.7	
OCC/24B/NB2S4	Wolvercote Village	01/02/2024 08:32	07/03/2024 12:53	844.35	0.84	14.2	7.4	
OCC/24B/NB2S5	Wolvercote Primary School	01/02/2024 08:43	07/03/2024 13:00	844.28	0.75	12.8	6.6	
OCC/24B/NB2S6	306 Woodstock Road	01/02/2024 09:06	07/03/2024 13:09	844.05	1.21	20.5	10.7	
OCC/24B/NB2S7	339 Bambury Road	01/02/2024 09:09	07/03/2024 13:10	844.02	2	33.9	17.6	
OCC/24B/NB2S8	191 Woodstock Road	01/02/2024 09:17	07/03/2024 13:19	844.03	1.72	29.2	15.2	
OCC/24B/NB2S9	48 Woodstock Road	01/02/2024 09:21	07/03/2024 13:27	844.10	1.12	19	9.9	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/24B/NB2S10	99 Bambury Road	01/02/2024 09:27	07/03/2024 13:24	843.95	1.21	20.6	10.7	
OCC/24B/NB2S11	9 S.Parks Road	01/02/2024 09:35	07/03/2024 13:38	844.05	1.62	27.5	14.3	
OCC/24B/NB2S12	15 Bambury Road	01/02/2024 09:40	07/03/2024 13:47	844.12	1.22	20.8	10.8	
OCC/24B/NB2S13	76 Walton Street	01/02/2024 10:02	07/03/2024 13:50	843.80	1.24	21.1	11	
OCC/24B/NB2S14	69 Kingston Road	01/02/2024 10:05	07/03/2024 13:53	843.80	1.12	19	9.9	
OCC/24B/NB2S15	Park End St	01/02/2024 10:12	07/03/2024 14:00	843.80	1.66	28.2	14.7	
OCC/24B/NB2S16	St Aldates 61	01/02/2024 10:20	07/03/2024 14:07	843.78	1.8	30.6	15.9	
OCC/24B/NB2S17	94 Howard St/ Catherine St	01/02/2024 10:38	07/03/2024 14:20	843.70	0.85	14.4	7.5	
OCC/24B/NB2S18	110 Magdalen Rd/Hurst St	01/02/2024 10:40	07/03/2024 14:26	843.77	0.93	15.8	8.2	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/24B/NB2S19	Iffley Road/ Stanley Road	01/02/2024 10:45	07/03/2024 14:30	843.75	1.62	27.6	14.3	
OCC/24B/NB2S20	26 Prince St	01/02/2024 11:00	07/03/2024 14:40	843.67	0.92	15.6	8.1	
OCC/24B/NB2S21	East Oxford Primary	01/02/2024 11:00	07/03/2024 14:40	843.67	0.86	14.6	7.6	
OCC/24B/NB2S22	K3 Morrel Avenue	01/02/2024 11:07	07/03/2024 14:48	843.68	1.08	18.3	9.5	
OCC/24B/NB2S23	Morrel Av. Bus Stop	01/02/2024 11:09	07/03/2024 14:50	843.68	0.94	16	8.3	
OCC/24B/NB2S24	189 Divinity Rd	01/02/2024 11:11	07/03/2024 14:53	843.70	0.85	14.4	7.5	
OCC/24B/NB2S25	Headington Hill	01/02/2024 11:20	07/03/2024 15:07	843.78	3.4	57.7	30	
OCC/24B/NB2S26	Marston Road (St Michaels)	01/02/2024 11:29	07/03/2024 15:15	843.77	1.02	17.3	9	
OCC/24B/NB2S27	Headley Way 189	01/02/2024 11:34	07/03/2024 15:25	843.85	1.5	25.6	13.3	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/24B/NB2S28	255 London Road/Gladstone Road	01/02/2024 11:41	07/03/2024 15:36	843.92	1.97	33.5	17.4	
OCC/24B/NB2S29	JR	01/02/2024 11:52	07/03/2024 15:48	843.93	1.5	25.6	13.3	
OCC/24B/NB2S30	Marston Ferry Rd/Cherwell Drive	01/02/2024 11:59	07/03/2024 16:01	844.03	1.23	20.9	10.9	
OCC/24B/NB2S31	Marsh Lane 39	01/02/2024 12:02	07/03/2024 16:05	844.05	1.13	19.2	10	
OCC/24B/NB2S32	Cotteslowe Park	01/02/2024 12:07	07/03/2024 16:11	844.07	1.23	20.9	10.9	
OCC/24B/NB2S33	Phillips Tyres	01/02/2024 12:13	07/03/2024 16:20	844.12	2.57	43.7	22.7	
OCC/24B/NB2S34	Horspath Driftway	01/02/2024 12:24	07/03/2024 16:34	844.17	1.65	27.9	14.5	
OCC/24B/NB2S35	126 The Slade	01/02/2024 12:32	07/03/2024 16:56	844.40	1.15	19.5	10.1	
OCC/24B/NB2S36	109 Old Road	01/02/2024 12:35	07/03/2024 16:58	844.38	1.1	18.6	9.7	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/24B/NB2S37	99 Oliver Road	01/02/2024 12:43	07/03/2024 16:41	843.97	2.15	36.6	19	
OCC/24B/NB2S38	Brasenose Farm	01/02/2024 12:50	07/03/2024 17:04	844.23	2.55	43.4	22.6	
OCC/24B/NB2S39	Garsington Rd 22	01/02/2024 12:58	07/03/2024 17:24	844.43	1.13	19.2	10	
OCC/24B/NB2S40	119 Barns Road							Missing
OCC/24B/NB2S41	Church Cowley	01/02/2024 13:05	07/03/2024 17:45	844.67	1.75	29.8	15.5	
OCC/24B/NB2S42	Newman Road	01/02/2024 13:11	07/03/2024 17:50	844.65	2.13	36.1	18.8	
OCC/24B/NB2S43	A24 Wolercote Meadows	01/02/2024 13:26	07/03/2024 18:00	844.57	2.67	45.3	23.6	
OCC/24B/NB2S44	A24 Wolvercote Meadow 2	01/02/2024 13:30	07/03/2024 18:08	844.63	1.89	32.1	16.7	

