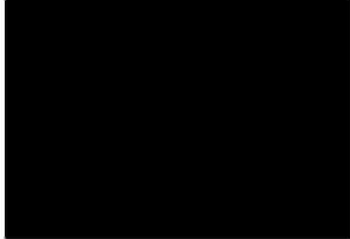




Customer:



Testing Facility:

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

Quotation
Number:

DIF-ANU-10978
(Period 1)

Samples
Received:

02 February 2023

Customer
Order Number:

Analysis
Completed:

06 February 2023

Customer
Reference:

Report Date:

07 February 2023

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.'

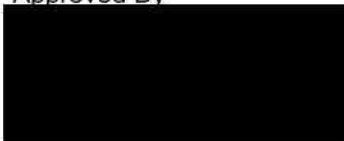
The tubes were prepared by spiking acetone:triethanolamine (50:50) onto the grids prior to the tubes being assembled. The tubes were desorbed with distilled water and the extract analysed using a segmented flow auto analyser with ultraviolet detection. All samples were received in good condition, unless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



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Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB1S1	Oxey Mead Lake 1	04/01/2023 07:30	30/01/2023 07:45	624.25	0.73	16.7	8.7	
OCC/23B/NB1S2	Oxey Mead Lake 2	04/01/2023 07:30	30/01/2023 07:45	624.25	0.85	19.5	10.1	
OCC/23B/NB1S3	Oxey Mead Lake 3	04/01/2023 07:30	30/01/2023 07:45	624.25	1.34	30.8	16	
OCC/23B/NB1S4	Wolvercote Village	04/01/2023 08:00	30/01/2023 08:00	624.00	0.89	20.5	10.6	
OCC/23B/NB1S5	Wolvercote Primary School	04/01/2023 08:00	30/01/2023 08:10	624.17	0.95	21.8	11.3	
OCC/23B/NB1S6	306 Woodstock Road	04/01/2023 08:30	30/01/2023 08:19	623.82	0.89	20.4	10.6	
OCC/23B/NB1S7	339 Bambury Road	04/01/2023 08:30	30/01/2023 08:24	623.90	1.57	36.1	18.8	
OCC/23B/NB1S8	191 Woodstock Road	04/01/2023 08:30	30/01/2023 08:34	624.07	1.28	29.3	15.2	
OCC/23B/NB1S9	48 Woodstock Road	04/01/2023 08:30	30/01/2023 08:39	624.15	1.19	27.3	14.2	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB1S10	99 Bambury Road	04/01/2023 09:00	30/01/2023 08:47	623.78	1.04	24	12.5	
OCC/23B/NB1S11	95 Parks Road	04/01/2023 09:00	30/01/2023 08:59	623.98	1.01	23.1	12	
OCC/23B/NB1S12	15 Bambury Road	04/01/2023 09:00	30/01/2023 09:05	624.08	1.05	24.1	12.6	
OCC/23B/NB1S13	Walton Street 76	04/01/2023 09:00	30/01/2023 09:11	624.18	1.3	29.9	15.5	
OCC/23B/NB1S14	69 Kingston Road	04/01/2023 09:00	30/01/2023 09:14	624.23	0.79	18.1	9.4	
OCC/23B/NB1S15	Park End Street	04/01/2023 09:30	30/01/2023 09:23	623.88	1.9	43.7	22.7	
OCC/23B/NB1S16	St Aldates 61	04/01/2023 09:30	30/01/2023 09:36	624.10	1.65	37.9	19.7	
OCC/23B/NB1S17	94 Howard St/ Catherine St	04/01/2023 10:00	30/01/2023 09:46	623.77	0.96	22.2	11.5	
OCC/23B/NB1S18	110 Magdalen Rd/ Hurst St	04/01/2023 10:00	30/01/2023 09:50	623.83	0.96	22	11.5	



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Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB1S19	Iffley Rd/ Stanley Rd	04/01/2023 10:00	30/01/2023 09:53	623.88	1.41	32.5	16.9	
OCC/23B/NB1S20	26 Prince St	04/01/2023 10:00	30/01/2023 10:02	624.03	0.89	20.5	10.6	
OCC/23B/NB1S21	East Oxford Primary School	04/01/2023 10:00	30/01/2023 10:10	624.17	1.15	26.3	13.7	
OCC/23B/NB1S22	143 Morrel Av	04/01/2023 10:00	30/01/2023 10:14	624.23	0.92	21.1	11	
OCC/23B/NB1S23	138 - 146 Morrel Av	04/01/2023 10:30	30/01/2023 10:16	623.77	0.79	18.3	9.5	
OCC/23B/NB1S24	189 Divinity Rd	04/01/2023 10:30	30/01/2023 10:18	623.80	0.97	22.4	11.6	
OCC/23B/NB1S25	90 Valentia Rd	04/01/2023 10:30	30/01/2023 10:23	623.88	0.87	20	10.4	
OCC/23B/NB1S26	Hinksey hill/ Headington Rd	04/01/2023 10:30	30/01/2023 10:39	624.15	0.85	19.4	10.1	
OCC/23B/NB1S27	Marston Rd, St Michaels Primary School	04/01/2023 10:30	30/01/2023 10:43	624.22	1.03	23.7	12.3	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB1S28	189 Headley Way	04/01/2023 11:00	30/01/2023 10:50	623.83	1.48	34	17.7	
OCC/23B/NB1S29	7 Woodlands Rd	04/01/2023 11:00	30/01/2023 10:52	623.87	0.95	21.7	11.3	
OCC/23B/NB1S30	21 Latimer Rd	04/01/2023 11:00	30/01/2023 10:56	623.93	0.96	22	11.4	
OCC/23B/NB1S31	Ruskin Hall/ Dunstan Rd	04/01/2023 11:00	30/01/2023 11:01	624.02	1.28	29.5	15.3	
OCC/23B/NB1S32	19 Wharton Rd	04/01/2023 11:00	30/01/2023 11:06	624.10	1.14	26.1	13.6	
OCC/23B/NB1S33	255 London Rd/ Gladstone Rd	04/01/2023 11:00	30/01/2023 11:13	624.22	1.8	41.3	21.5	
OCC/23B/NB1S34	25 Gladstone Rd	04/01/2023 11:30	30/01/2023 11:15	623.75	1.04	23.8	12.4	
OCC/23B/NB1S35	JR	04/01/2023 11:30	30/01/2023 11:25	623.92	1.43	32.8	17.1	
OCC/23B/NB1S36	Marston Ferry Rd/ Cherwell Drive	04/01/2023 11:30	30/01/2023 11:35	624.08	0.98	22.4	11.7	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB1S37	39 Marsh Lane	04/01/2023 11:30	30/01/2023 11:30	624.00	1.26	28.8	15	
OCC/23B/NB1S38	North way/ Cutteslowe Park	04/01/2023 11:30	30/01/2023 11:42	624.20	1.41	32.5	16.9	
OCC/23B/NB1S39	Northern bypass/ Phillips Tyres	04/01/2023 12:00	30/01/2023 11:48	623.80	2.49	57.2	29.7	Really dirty exterior
OCC/23B/NB1S40	Horsparth driftway/ Agwar stone Rd	04/01/2023 12:30	30/01/2023 12:21	623.85	1.29	29.6	15.4	
OCC/23B/NB1S41	126 The Slade	04/01/2023 12:30	30/01/2023 12:31	624.02	1.49	34.2	17.8	
OCC/23B/NB1S42	109 Old Rd	04/01/2023 12:30	30/01/2023 12:33	624.05	0.92	21.1	10.9	
OCC/23B/NB1S43	47 Quarry Rd	04/01/2023 12:30	30/01/2023 12:38	624.13	0.99	22.8	11.9	
OCC/23B/NB1S44	4 Quarry School	04/01/2023 12:30	30/01/2023 12:40	624.17	0.92	21.1	11	
OCC/23B/NB1S45	99 Oliver Rd							Missing





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB1S46	Brasenose Farm (Eastern bypass)	04/01/2023 13:00	30/01/2023 12:58	623.97	2.33	53.5	27.8	Dirty exterior
OCC/23B/NB1S47	22 Garsington Rd	04/01/2023 13:00	30/01/2023 13:06	624.10	1.29	29.6	15.4	
OCC/23B/NB1S48	St Christophers Primary School	04/01/2023 13:00	30/01/2023 13:12	624.20	1.05	24.2	12.6	
OCC/23B/NB1S49	119 Barns Rd	04/01/2023 13:30	30/01/2023 13:20	623.83	1.24	28.6	14.9	
OCC/23B/NB1S50	Oxford Rd/ Newman Rd	04/01/2023 13:30	30/01/2023 13:29	623.98	1.95	44.7	23.3	
OCC/23B/NB1S51	A34 Wolvercote Meadows	04/01/2023 13:30	30/01/2023 13:43	624.22	1.11	25.6	13.3	Dirty exterior
OCC/23B/NB1S52	A34 Wolvercote Meadows 2	04/01/2023 14:00	30/01/2023 13:48	623.80	1.23	28.4	14.7	Dirty interior (replaced)
OCC/23B/NB1S53	63 Southern bypass	04/01/2023 14:00	30/01/2023 13:52	623.87	2.68	61.6	32	Dirty exterior

