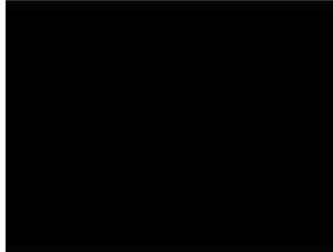




Customer:



Testing Facility:

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

Quotation
Number:

DIF-ANU-10978
(Period 4)

Samples
Received:

12 September 2023

Customer
Order Number:

Analysis
Completed:

21 September 2023

Customer
Reference:

Report Date:

22 September 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.'

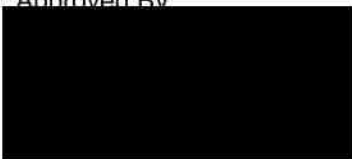
The tubes were prepared by spiking acetone:triethanolamine (50:50) onto the grids prior to the tubes being assembled. The tubes were desorbed with distilled water and the extract analysed using a segmented flow auto analyser with ultraviolet detection. All samples were received in good condition, unless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



1252



Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE4S1	Oxey Mead Lake 1	02/08/2023 08:30	04/09/2023 08:24	791.90	0.44	7.9	4.1	
OCC/23B/NE4S2	Oxey Mead Lake 2	02/08/2023 08:35	04/09/2023 08:24	791.82	0.63	11.5	6	
OCC/23B/NE4S3	Oxey Mead Lake 3	02/08/2023 08:40	04/09/2023 08:24	791.73	1.52	27.5	14.3	
OCC/23B/NE4S4	Wolvercote Village	02/08/2023 08:44	04/09/2023 08:35	791.85	0.58	10.4	5.4	
OCC/23B/NE4S5	Wolvercote Primary School	02/08/2023 08:50	04/09/2023 08:42	791.87	0.68	12.4	6.4	
OCC/23B/NE4S6	306 Woodstock Road	02/08/2023 08:55	04/09/2023 09:00	792.08	0.86	15.6	8.1	
OCC/23B/NE4S7	339 Bambury Road	02/08/2023 09:00	04/09/2023 09:05	792.08	1.33	24.1	12.5	
OCC/23B/NE4S8	191 Woodstock Road	02/08/2023 09:07	04/09/2023 09:14	792.12	1.17	21.3	11.1	
OCC/23B/NE4S9	48 Woodstock Road	02/08/2023 09:12	04/09/2023 09:25	792.22	1.09	19.7	10.2	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE4S10	99 Bambury Road	02/08/2023 09:27	04/09/2023 09:32	792.08	1.13	20.5	10.7	
OCC/23B/NE4S11	95 Parks Road							Missing
OCC/23B/NE4S12	15 Bambury Road	02/08/2023 09:44	04/09/2023 09:55	792.18	0.82	14.8	7.7	
OCC/23B/NE4S13	Walton Street 76	02/08/2023 09:53	04/09/2023 09:20	791.45	0.92	16.8	8.7	
OCC/23B/NE4S14	69 Kingston Road	02/08/2023 09:57	04/09/2023 10:03	792.10	0.7	12.6	6.6	
OCC/23B/NE4S15	Park End St	02/08/2023 10:06	04/09/2023 10:16	792.17	1.94	35.1	18.2	
OCC/23B/NE4S16	St Aldates 61	02/08/2023 10:15	04/09/2023 10:22	792.12	1.44	26.1	13.6	
OCC/23B/NE4S17	94 Howard St/ Catherine St	02/08/2023 10:30	04/09/2023 10:40	792.17	0.56	10.1	5.3	
OCC/23B/NE4S18	110 Magdalen Road	02/08/2023 10:35	04/09/2023 10:45	792.17	0.59	10.8	5.6	



1252



Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE4S19	Iffley Road/ Stanley Road	02/08/2023 10:43	04/09/2023 10:48	792.08	1.39	25.2	13.1	
OCC/23B/NE4S20	26 Prince St	02/08/2023 10:52	04/09/2023 11:00	792.13	0.56	10.2	5.3	
OCC/23B/NE4S21	East Oxford Primary School	02/08/2023 10:58	04/09/2023 11:04	792.10	0.58	10.4	5.4	
OCC/23B/NE4S22	143 Morrel Av	02/08/2023 11:08	04/09/2023 11:26	792.30	0.75	13.6	7.1	
OCC/23B/NE4S23	138 - 146 Morrel Av	02/08/2023 11:12	04/09/2023 11:30	792.30	0.7	12.7	6.6	
OCC/23B/NE4S24	189 Divinity Rd	02/08/2023 11:14	04/09/2023 11:32	792.30	0.5	9	4.7	
OCC/23B/NE4S25	90 Valentia Rd	02/08/2023 11:17	04/09/2023 11:35	792.30	0.48	8.6	4.5	
OCC/23B/NE4S26	Hinksey hill/ Headington Rd	02/08/2023 11:27	04/09/2023 11:20	791.88	4.05	73.4	38.2	
OCC/23B/NE4S27	Marston Rd, St Michaels Primary School	02/08/2023 11:33	04/09/2023 11:45	792.20	0.69	12.5	6.5	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE4S28	189 Headley Way	02/08/2023 11:45	04/09/2023 12:08	792.38	1	18.1	9.4	
OCC/23B/NE4S29	7 Woodlands Rd	02/08/2023 11:53	04/09/2023 12:10	792.28	0.52	9.4	4.9	
OCC/23B/NE4S30	21 Latimer Rd	02/08/2023 11:59	04/09/2023 12:13	792.23	0.59	10.6	5.5	
OCC/23B/NE4S31	Ruskin Hall/ Dunstan Rd	02/08/2023 12:14	04/09/2023 12:23	792.15	0.8	14.6	7.6	
OCC/23B/NE4S32	19 Wharton Rd	02/08/2023 12:33	04/09/2023 12:28	791.92	0.54	9.7	5	
OCC/23B/NE4S33	255 London Rd/ Gladstone Rd	02/08/2023 12:27	04/09/2023 12:32	792.08	1.42	25.7	13.4	
OCC/23B/NE4S34	25 Gladstone Rd	02/08/2023 12:31	04/09/2023 12:34	792.05	0.51	9.2	4.8	
OCC/23B/NE4S35	JR	02/08/2023 12:35	04/09/2023 12:53	792.30	1.35	24.5	12.7	
OCC/23B/NE4S36	Marston Ferry Rd/ Cherwell Drive	02/08/2023 12:42	04/09/2023 13:09	792.45	0.71	12.9	6.7	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE4S37	39 Marsh Lane	02/08/2023 12:50	04/09/2023 13:14	792.40	0.89	16	8.3	
OCC/23B/NE4S38	North way/ Cutteslowe Park	02/08/2023 13:00	04/09/2023 13:20	792.33	1.32	23.8	12.4	
OCC/23B/NE4S39	Northern bypass/ Phillips Tyres	02/08/2023 13:05	04/09/2023 13:32	792.45	2.03	36.8	19.1	
OCC/23B/NE4S40	Horsparth driftway/ Agwar stone Rd	02/08/2023 13:22	04/09/2023 13:46	792.40	1.09	19.7	10.3	
OCC/23B/NE4S41	126 The Slade	02/08/2023 13:30	04/09/2023 13:48	792.30	1.23	22.3	11.6	
OCC/23B/NE4S42	109 Old Rd	02/08/2023 13:33	04/09/2023 13:50	792.28	0.8	14.4	7.5	
OCC/23B/NE4S43	47 Quarry Rd	02/08/2023 13:40	04/09/2023 13:51	792.18	0.62	11.1	5.8	
OCC/23B/NE4S44	4 Quarry School	02/08/2023 13:43	04/09/2023 13:55	792.20	0.61	11.1	5.8	
OCC/23B/NE4S45	99 Oliver Rd	02/08/2023 13:50	04/09/2023 14:00	792.17	1.45	26.2	13.6	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE4S46	Brasenose Farm (Eastern bypass)	02/08/2023 13:58	04/09/2023 14:09	792.18	2.34	42.4	22.1	
OCC/23B/NE4S47	22 Garsington Rd	02/08/2023 14:05	04/09/2023 14:16	792.18	1.07	19.3	10	
OCC/23B/NE4S48	St Christophers Primary School	02/08/2023 14:11	04/09/2023 14:20	792.15	0.51	9.3	4.8	
OCC/23B/NE4S49	119 Barns Rd	02/08/2023 14:35	04/09/2023 14:30	791.92	1.17	21.2	11	
OCC/23B/NE4S50	Oxford Rd/ Newman Rd	02/08/2023 14:45	04/09/2023 14:45	792.00	1.82	32.9	17.1	
OCC/23B/NE4S51	A34 Wolvercote Meadows	02/08/2023 15:30	04/09/2023 14:59	791.48	2.28	41.3	21.5	
OCC/23B/NE4S52	A34 Wolvercote Meadows 2							No access
OCC/23B/NE4S53	67 Southern bypass	02/08/2023 15:40	04/09/2023 15:10	791.50	3.29	59.6	31	
OCC/23B/NE4S54	Church Cowley Rd	02/08/2023 14:23	04/09/2023 14:40	792.28	1.41	25.4	13.2	

