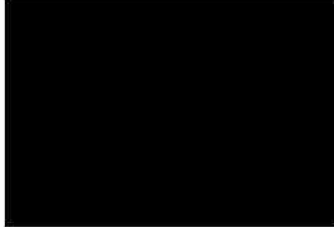




Customer:



Testing Facility:

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

Quotation
Number:

DIF-ANU-10978
(Period 5)

Samples
Received:

09 October 2023

Customer
Order Number:

Analysis
Completed:

12 October 2023

Customer
Reference:

Report Date:

16 October 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/NE5S1	Oxey Mead Lake 1	04/09/2023 12:00	03/10/2023 12:00	696.00	0.54	11.1	5.8	
OCC/23B/NE5S2	Oxey Mead Lake 2	04/09/2023 12:00	03/10/2023 12:00	696.00	0.72	14.8	7.7	
OCC/23B/NE5S3	Oxey Mead Lake 3	04/09/2023 12:00	03/10/2023 12:00	696.00	1.74	35.9	18.6	
OCC/23B/NE5S4	Wolvercote Village	04/09/2023 12:00	03/10/2023 12:00	696.00	0.76	15.7	8.2	
OCC/23B/NE5S5	Wolvercote Primary School	04/09/2023 12:00	03/10/2023 12:00	696.00	0.99	20.4	10.6	
OCC/23B/NE5S6	306 Woodstock Road	04/09/2023 12:00	03/10/2023 12:00	696.00	1.18	24.3	12.6	
OCC/23B/NE5S7	339 Bambury Road	04/09/2023 12:00	03/10/2023 12:00	696.00	1.66	34.2	17.8	
OCC/23B/NE5S8	191 Woodstock Road	04/09/2023 12:00	03/10/2023 12:00	696.00	1.42	29.2	15.2	
OCC/23B/NE5S9	48 Woodstock Road	04/09/2023 12:00	03/10/2023 12:00	696.00	1.27	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/NE5S10	99 Bambury Road	04/09/2023 12:00	03/10/2023 12:00	696.00	1.27	26.2	13.6	
OCC/23B/NE5S11	95 Parks Road	04/09/2023 12:00	03/10/2023 12:00	696.00	0.21	4.3	2.3	
OCC/23B/NE5S12	15 Bambury Road	04/09/2023 12:00	03/10/2023 12:00	696.00	1.03	21.3	11.1	
OCC/23B/NE5S13	Walton Street 76	04/09/2023 12:00	03/10/2023 12:00	696.00	1.19	24.4	12.7	
OCC/23B/NE5S14	69 Kingston Road	04/09/2023 12:00	03/10/2023 12:00	696.00	0.9	18.5	9.6	
OCC/23B/NE5S15	Park End St	04/09/2023 12:00	03/10/2023 12:00	696.00	2.1	43.2	22.5	
OCC/23B/NE5S16	St Aldates 61	04/09/2023 12:00	03/10/2023 12:00	696.00	1.46	30.2	15.7	
OCC/23B/NE5S17	94 Howard St/ Catherine St	04/09/2023 12:00	03/10/2023 12:00	696.00	0.79	16.2	8.4	
OCC/23B/NE5S18	110 Magdalen Road	04/09/2023 12:00	03/10/2023 12:00	696.00	0.77	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/23B/NE5S19	Iffley Road/ Stanley Road	04/09/2023 12:00	03/10/2023 12:00	696.00	1.71	35.3	18.3	
OCC/23B/NE5S20	26 Prince St	04/09/2023 12:00	03/10/2023 12:00	696.00	0.77	15.8	8.2	
OCC/23B/NE5S21	East Oxford Primary School	04/09/2023 12:00	03/10/2023 12:00	696.00	0.89	18.4	9.5	
OCC/23B/NE5S22	143 Morrel Av	04/09/2023 12:00	03/10/2023 12:00	696.00	0.82	17	8.8	
OCC/23B/NE5S23	138 - 146 Morrel Av	04/09/2023 12:00	03/10/2023 12:00	696.00	0.96	19.8	10.3	
OCC/23B/NE5S24	189 Divinity Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	0.69	14.3	7.4	
OCC/23B/NE5S25	90 Valentia Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	0.68	14.1	7.3	
OCC/23B/NE5S26	Hinksey hill/ Headington Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	3.52	72.5	37.7	
OCC/23B/NE5S27	Marston Rd, St Michaels Primary School	04/09/2023 12:00	03/10/2023 12:00	696.00	0.87	17.8	9.3	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE5S28	189 Headley Way	04/09/2023 12:00	03/10/2023 12:00	696.00	1.57	32.4	16.9	
OCC/23B/NE5S29	7 Woodlands Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	0.66	13.7	7.1	
OCC/23B/NE5S30	21 Latimer Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	0.72	14.9	7.7	
OCC/23B/NE5S31	Ruskin Hall/ Dunstan Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	1.12	23	12	
OCC/23B/NE5S32	19 Wharton Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	0.72	14.9	7.8	
OCC/23B/NE5S33	255 London Rd/ Gladstone Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	1.74	35.9	18.7	
OCC/23B/NE5S34	25 Gladstone Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	0.7	14.3	7.5	
OCC/23B/NE5S35	JR	04/09/2023 12:00	03/10/2023 12:00	696.00	1.66	34.1	17.7	
OCC/23B/NE5S36	Marston Ferry Rd/ Cherwell Drive	04/09/2023 12:00	03/10/2023 12:00	696.00	1.07	22	11.4	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE5S37	39 Marsh Lane	04/09/2023 12:00	03/10/2023 12:00	696.00	1.15	23.6	12.3	
OCC/23B/NE5S38	North way/ Cutteslowe Park	04/09/2023 12:00	03/10/2023 12:00	696.00	1.26	26	13.5	
OCC/23B/NE5S39	Northern bypass/ Phillips Tyres	04/09/2023 12:00	03/10/2023 12:00	696.00	2.12	43.7	22.7	
OCC/23B/NE5S40	Horsparth driftway/ Agwar stone Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	1.34	27.6	14.3	
OCC/23B/NE5S41	126 The Slade	04/09/2023 12:00	03/10/2023 12:00	696.00	1.3	26.8	14	
OCC/23B/NE5S42	109 Old Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	0.98	20.1	10.5	
OCC/23B/NE5S43	47 Quarry Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	0.81	16.7	8.7	
OCC/23B/NE5S44	4 Quarry School	04/09/2023 12:00	03/10/2023 12:00	696.00	0.7	14.3	7.5	
OCC/23B/NE5S45	99 Oliver Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	2	41.1	21.4	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE5S46	Brasenose Farm (Eastern bypass)	04/09/2023 12:00	03/10/2023 12:00	696.00	2.22	45.7	23.8	
OCC/23B/NE5S47	22 Garsington Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	1.33	27.3	14.2	
OCC/23B/NE5S48	St Christophers Primary School	04/09/2023 12:00	03/10/2023 12:00	696.00	0.86	17.7	9.2	
OCC/23B/NE5S49	119 Barns Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	1.06	21.8	11.3	
OCC/23B/NE5S50	Oxford Rd/ Newman Rd							Missing
OCC/23B/NE5S51	A34 Wolvercote Meadows	04/09/2023 12:00	03/10/2023 12:00	696.00	2.53	52.1	27.1	
OCC/23B/NE5S52	A34 Wolvercote Meadows 2	04/09/2023 12:00	03/10/2023 12:00	696.00	1.85	38.2	19.8	
OCC/23B/NE5S53	67 Southern bypass	04/09/2023 12:00	03/10/2023 12:00	696.00	3.2	65.9	34.3	
OCC/23B/NE5S54	Church Cowley Rd	04/09/2023 12:00	03/10/2023 12:00	696.00	1.37	28.1	14.6	

