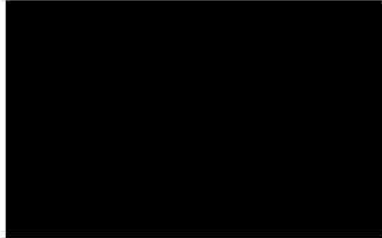




Customer:



Testing Facility:

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

Quotation  
Number:

DIF-ANU-10978  
(Period 6)

Samples  
Received:

02 November 2023

Customer  
Order Number:

Analysis  
Completed:

06 November 2023

Customer  
Reference:

Report Date:

07 November 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 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



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Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m <sup>-3</sup>	ppb	Comments
OCC/23B/NE6S1	Oxey Mead Lake 1	03/10/2023 14:30	30/10/2023 10:10	643.67	0.48	10.8	5.6	
OCC/23B/NE6S2	Oxey Mead Lake 2	03/10/2023 14:30	30/10/2023 10:10	643.67	0.6	13.4	7	
OCC/23B/NE6S3	Oxey Mead Lake 3	03/10/2023 14:30	30/10/2023 10:10	643.67	1.42	31.6	16.4	
OCC/23B/NE6S4	Wolvercote Village	03/10/2023 14:50	30/10/2023 10:32	643.70	0.66	14.7	7.7	
OCC/23B/NE6S5	Wolvercote Primary School	03/10/2023 14:57	30/10/2023 10:39	643.70	0.72	16.1	8.4	
OCC/23B/NE6S6	306 Woodstock Road	03/10/2023 15:01	30/10/2023 10:45	643.73	0.91	20.2	10.5	
OCC/23B/NE6S7	339 Bambury Road	03/10/2023 15:03	30/10/2023 10:49	643.77	1.35	30.1	15.6	
OCC/23B/NE6S8	191 Woodstock Road	03/10/2023 15:17	30/10/2023 10:55	643.63	1.24	27.6	14.3	
OCC/23B/NE6S9	48 Woodstock Road	03/10/2023 15:22	30/10/2023 11:03	643.68	1.24	27.7	14.4	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m <sup>-3</sup>	ppb	Comments
OCC/23B/NE6S10	99 Bambury Road	03/10/2023 15:28	30/10/2023 11:16	643.80	1.15	25.6	13.3	
OCC/23B/NE6S11	95 Parks Road	03/10/2023 15:38	30/10/2023 11:19	643.68	1.07	23.7	12.3	
OCC/23B/NE6S12	15 Bambury Road	03/10/2023 15:50	30/10/2023 11:22	643.53	0.96	21.3	11.1	
OCC/23B/NE6S13	Walton Street 76	03/10/2023 15:56	30/10/2023 11:31	643.58	1.02	22.8	11.8	
OCC/23B/NE6S14	69 Kingston Road	03/10/2023 15:58	30/10/2023 11:34	643.60	0.8	17.9	9.3	
OCC/23B/NE6S15	Park End St	03/10/2023 16:06	30/10/2023 11:44	643.63	1.7	37.9	19.7	
OCC/23B/NE6S16	St Aldates 61	03/10/2023 16:22	30/10/2023 11:50	643.47	1.35	30.1	15.7	
OCC/23B/NE6S17	94 Howard St/ Catherine St	03/10/2023 16:47	30/10/2023 12:06	643.32	0.75	16.8	8.7	
OCC/23B/NE6S18	110 Magdalen Road	03/10/2023 16:50	30/10/2023 12:10	643.33	0.77	17.3	9	



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Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m <sup>-3</sup>	ppb	Comments
OCC/23B/NE6S19	Iffley Road/ Stanley Road	03/10/2023 16:53	30/10/2023 12:13	643.33	1.35	30.1	15.7	
OCC/23B/NE6S20	26 Prince St	03/10/2023 17:03	30/10/2023 12:25	643.37	0.73	16.3	8.5	
OCC/23B/NE6S21	East Oxford Primary School	03/10/2023 17:05	30/10/2023 12:28	643.38	0.74	16.5	8.6	
OCC/23B/NE6S22	143 Morrel Av	03/10/2023 17:16	30/10/2023 12:32	643.27	0.81	18	9.4	
OCC/23B/NE6S23	138 - 146 Morrel Av	03/10/2023 17:19	30/10/2023 12:35	643.27	0.72	16	8.3	
OCC/23B/NE6S24	189 Divinity Rd	03/10/2023 17:22	30/10/2023 12:37	643.25	0.63	14	7.3	
OCC/23B/NE6S25	90 Valentia Rd	03/10/2023 17:25	30/10/2023 12:40	643.25	0.64	14.3	7.5	
OCC/23B/NE6S26	Hinksey hill/ Headington Rd							Disappeared
OCC/23B/NE6S27	Marston Rd, St Michaels Primary School	03/10/2023 18:58	30/10/2023 13:23	642.42	0.72	16.1	8.3	



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Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m <sup>-3</sup>	ppb	Comments
OCC/23B/NE6S28	189 Headley Way	03/10/2023 18:01	30/10/2023 13:29	643.47	1.14	25.3	13.2	
OCC/23B/NE6S29	7 Woodlands Rd	03/10/2023 18:03	30/10/2023 13:31	643.47	0.66	14.7	7.7	
OCC/23B/NE6S30	21 Latimer Rd	03/10/2023 18:07	30/10/2023 13:34	643.45	0.63	14.1	7.3	
OCC/23B/NE6S31	Ruskin Hall/ Dunstan Rd	03/10/2023 18:15	30/10/2023 13:39	643.40	0.95	21.1	11	
OCC/23B/NE6S32	19 Wharton Rd	03/10/2023 18:25	30/10/2023 13:47	643.37	0.64	14.2	7.4	
OCC/23B/NE6S33	255 London Rd/ Gladstone Rd	03/10/2023 18:33	30/10/2023 13:51	643.30	1.4	31.1	16.2	
OCC/23B/NE6S34	25 Gladstone Rd	03/10/2023 18:35	30/10/2023 13:53	643.30	0.67	14.9	7.8	
OCC/23B/NE6S35	JR	03/10/2023 18:47	30/10/2023 14:00	643.22	1.41	31.4	16.3	
OCC/23B/NE6S36	Marston Ferry Rd/ Cherwell Drive	03/10/2023 19:06	30/10/2023 14:12	643.10	0.87	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/23B/NE6S37	39 Marsh Lane	03/10/2023 19:11	30/10/2023 14:16	643.08	0.99	22.1	11.5	
OCC/23B/NE6S38	North way/ Cutteslowe Park	03/10/2023 19:15	30/10/2023 14:22	643.12	1.1	24.6	12.8	
OCC/23B/NE6S39	Northern bypass/ Phillips Tyres	03/10/2023 19:21	30/10/2023 14:28	643.12	2.07	46.2	24	
OCC/23B/NE6S40	Horsparth driftway/ Agwar stone Rd	03/10/2023 19:31	30/10/2023 15:06	643.58	1.43	31.8	16.5	
OCC/23B/NE6S41	126 The Slade	03/10/2023 19:40	30/10/2023 14:50	643.17	1.01	22.5	11.7	
OCC/23B/NE6S42	109 Old Rd	03/10/2023 19:42	30/10/2023 14:41	642.98	0.93	20.8	10.8	
OCC/23B/NE6S43	47 Quarry Rd	03/10/2023 19:44	30/10/2023 14:38	642.90	0.72	16.1	8.4	
OCC/23B/NE6S44	4 Quarry School	03/10/2023 19:46	30/10/2023 14:35	642.82	0.77	17.1	8.9	
OCC/23B/NE6S45	99 Oliver Rd	03/10/2023 19:56	30/10/2023 14:57	643.02	1.67	37.2	19.4	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m <sup>-3</sup>	ppb	Comments
OCC/23B/NE6S46	Brasenose Farm (Eastern bypass)	03/10/2023 20:03	30/10/2023 15:08	643.08	1.96	43.7	22.7	
OCC/23B/NE6S47	22 Garsington Rd	03/10/2023 20:10	30/10/2023 15:19	643.15	1.19	26.5	13.8	
OCC/23B/NE6S48	St Christophers Primary School	03/10/2023 20:15	30/10/2023 15:30	643.25	0.64	14.2	7.4	
OCC/23B/NE6S49	119 Barns Rd	03/10/2023 20:21	30/10/2023 15:42	643.35	0.79	17.5	9.1	
OCC/23B/NE6S50	Oxford Rd/ Newman Rd	03/10/2023 20:30	30/10/2023 15:54	643.40	1.56	34.8	18.1	
OCC/23B/NE6S51	A34 Wolvercote Meadows	03/10/2023 20:45	30/10/2023 16:15	643.50	2.07	46.2	24	
OCC/23B/NE6S52	A34 Wolvercote Meadows 2	03/10/2023 20:50	30/10/2023 16:19	643.48	1.58	35.3	18.3	
OCC/23B/NE6S53	67 Southern bypass	03/10/2023 20:54	30/10/2023 16:26	643.53	2.48	55.3	28.7	
OCC/23B/NE6S54	Church Cowley Rd	03/10/2023 20:25	30/10/2023 15:48	643.38	1.35	30.2	15.7	

