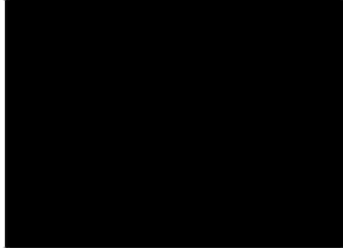




Customer:



Testing Facility:

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

Quotation Number: DIF-ANU-10978 (Period 7)

Samples Received: 06 December 2023

Customer Order Number:

Analysis Completed: 07 December 2023

Customer Reference:

Report Date: 08 December 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/NE7S1	Oxey Mead Lake 1	30/10/2023 10:10	04/12/2023 08:15	838.08	3.37	57.6	30	
OCC/23B/NE7S2	Oxey Mead Lake 2	30/10/2023 10:10	04/12/2023 08:15	838.08	3.35	57.3	29.8	
OCC/23B/NE7S3	Oxey Mead Lake 3	30/10/2023 10:10	04/12/2023 08:15	838.08	1.55	26.5	13.8	
OCC/23B/NE7S4	Wolvercote Village	30/10/2023 10:32	04/12/2023 08:40	838.13	1.02	17.4	9	
OCC/23B/NE7S5	Wolvercote Primary School	30/10/2023 10:39	04/12/2023 08:52	838.22	1.23	21	10.9	
OCC/23B/NE7S6	306 Woodstock Road	30/10/2023 10:45	04/12/2023 09:00	838.25	1.27	21.7	11.3	
OCC/23B/NE7S7	339 Bambury Road	30/10/2023 10:49	04/12/2023 09:04	838.25	1.96	33.5	17.4	
OCC/23B/NE7S8	191 Woodstock Road	30/10/2023 10:55	04/12/2023 09:10	838.25	1.74	29.8	15.5	
OCC/23B/NE7S9	48 Woodstock Road	30/10/2023 11:03	04/12/2023 09:15	838.20	1.82	31.1	16.2	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE7S10	99 Bambury Road	30/10/2023 11:16	04/12/2023 09:20	838.07	1.74	29.8	15.5	
OCC/23B/NE7S11	95 Parks Road	30/10/2023 11:19	04/12/2023 09:35	838.27	1.39	23.8	12.4	
OCC/23B/NE7S12	15 Bambury Road	30/10/2023 11:22	04/12/2023 09:43	838.35	1.29	22	11.4	
OCC/23B/NE7S13	Walton Street 76	30/10/2023 11:31	04/12/2023 09:48	838.28	1.48	25.3	13.2	
OCC/23B/NE7S14	69 Kingston Road	30/10/2023 11:34	04/12/2023 09:50	838.27	1.08	18.4	9.6	
OCC/23B/NE7S15	Park End St	30/10/2023 11:44	04/12/2023 10:04	838.33	2.28	39.1	20.3	
OCC/23B/NE7S16	St Aldates 61	30/10/2023 11:50	04/12/2023 10:19	838.48	1.91	32.6	17	
OCC/23B/NE7S17	94 Howard St/ Catherine St	30/10/2023 12:06	04/12/2023 10:47	838.68	1.08	18.4	9.6	
OCC/23B/NE7S18	110 Magdalen Road	30/10/2023 12:10	04/12/2023 10:47	838.62	1.21	20.6	10.7	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE7S19	Iffley Road/ Stanley Road	30/10/2023 12:13	04/12/2023 10:50	838.62	1.8	30.7	16	
OCC/23B/NE7S20	26 Prince St	30/10/2023 12:25	04/12/2023 11:03	838.63	1.12	19.2	10	
OCC/23B/NE7S21	East Oxford Primary School	30/10/2023 12:28	04/12/2023 11:03	838.58	1.23	21	10.9	
OCC/23B/NE7S22	143 Morrel Av	30/10/2023 12:32	04/12/2023 11:07	838.58	1.3	22.2	11.5	
OCC/23B/NE7S23	138 - 146 Morrel Av	30/10/2023 12:35	04/12/2023 11:10	838.58	1.03	17.5	9.1	
OCC/23B/NE7S24	189 Divinity Rd	30/10/2023 12:37	04/12/2023 11:13	838.60	1.16	19.8	10.3	
OCC/23B/NE7S25	90 Valentia Rd	30/10/2023 12:40	04/12/2023 11:15	838.58	1.05	18	9.4	
OCC/23B/NE7S26	Hinksey hill/ Headington Rd	30/10/2023 13:00	04/12/2023 11:30	838.50	3.41	58.4	30.4	
OCC/23B/NE7S27	Marston Rd, St Michaels Primary School	30/10/2023 13:23	04/12/2023 11:44	838.35	1.21	20.6	10.7	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE7S28	189 Headley Way	30/10/2023 13:29	04/12/2023 11:51	838.37	1.66	28.4	14.8	
OCC/23B/NE7S29	7 Woodlands Rd	30/10/2023 13:31	04/12/2023 11:53	838.37	0.99	16.9	8.8	
OCC/23B/NE7S30	21 Latimer Rd	30/10/2023 13:34	04/12/2023 11:56	838.37	1.14	19.4	10.1	
OCC/23B/NE7S31	Ruskin Hall/ Dunstan Rd	30/10/2023 13:39	04/12/2023 12:03	838.40	1.57	26.9	14	
OCC/23B/NE7S32	19 Wharton Rd	30/10/2023 13:47	04/12/2023 12:12	838.42	1.06	18.1	9.4	Spider
OCC/23B/NE7S33	255 London Rd/ Gladstone Rd	30/10/2023 13:51	04/12/2023 12:19	838.47	1.81	31	16.1	
OCC/23B/NE7S34	25 Gladstone Rd	30/10/2023 13:53	04/12/2023 12:21	838.47	1.11	18.9	9.8	
OCC/23B/NE7S35	JR	30/10/2023 14:00	04/12/2023 12:31	838.52	1.84	31.4	16.3	
OCC/23B/NE7S36	Marston Ferry Rd/ Cherwell Drive	30/10/2023 14:12	04/12/2023 12:49	838.62	1.35	23.1	12	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE7S37	39 Marsh Lane	30/10/2023 14:16	04/12/2023 12:52	838.60	1.53	26.2	13.6	
OCC/23B/NE7S38	North way/ Cutteslowe Park	30/10/2023 14:22	04/12/2023 12:56	838.57	1.51	25.8	13.4	
OCC/23B/NE7S39	Northern bypass/ Phillips Tyres	30/10/2023 14:28	04/12/2023 13:04	838.60	2.83	48.5	25.2	
OCC/23B/NE7S40	Horsparth driftway/ Agwar stone Rd	30/10/2023 15:06	04/12/2023 13:34	838.47	1.69	29	15.1	
OCC/23B/NE7S41	126 The Slade	30/10/2023 14:50	04/12/2023 13:19	838.48	1.56	26.6	13.8	
OCC/23B/NE7S42	109 Old Rd	30/10/2023 14:41	04/12/2023 13:16	838.58	1.28	22	11.4	
OCC/23B/NE7S43	47 Quarry Rd	30/10/2023 14:38	04/12/2023 13:14	838.60	1.08	18.5	9.6	
OCC/23B/NE7S44	4 Quarry School	30/10/2023 14:35	04/12/2023 13:11	838.60	1.12	19.2	10	
OCC/23B/NE7S45	99 Oliver Rd	30/10/2023 14:57	04/12/2023 13:28	838.52	2.17	37.1	19.3	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NE7S46	Brasenose Farm (Eastern bypass)	30/10/2023 15:08	04/12/2023 13:37	838.48	2.64	45.2	23.5	
OCC/23B/NE7S47	22 Garsington Rd	30/10/2023 15:19	04/12/2023 13:46	838.45	1.48	25.2	13.1	
OCC/23B/NE7S48	St Christophers Primary School	30/10/2023 15:30	04/12/2023 13:53	838.38	0.76	12.9	6.7	
OCC/23B/NE7S49	119 Barns Rd	30/10/2023 15:42	04/12/2023 13:58	838.27	1.54	26.4	13.7	
OCC/23B/NE7S50	Oxford Rd/ Newman Rd							DISAPPEARED
OCC/23B/NE7S51	A34 Wolvercote Meadows	30/10/2023 16:15	04/12/2023 14:23	838.13	2.03	34.8	18.1	
OCC/23B/NE7S52	A34 Wolvercote Meadows 2	30/10/2023 16:19	04/12/2023 14:32	838.22	1.48	25.3	13.1	
OCC/23B/NE7S53	67 Southern bypass	30/10/2023 16:26	04/12/2023 14:39	838.22	2.79	47.7	24.8	
OCC/23B/NE7S54	Church Cowley Rd	30/10/2023 15:48	04/12/2023 14:03	838.25	2.03	34.8	18.1	

