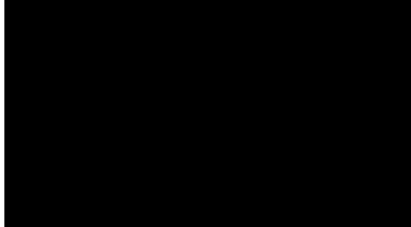




Customer:



Testing Facility:

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

Quotation Number: DIF-ANU-10978
(Period 4)

Samples Received: 05 May 2023

Customer Order Number:

Analysis Completed: 18 May 2023

Customer Reference:

Report Date: 19 May 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/NB4S1	Oxey Mead Lake 1	03/04/2023 07:30	03/05/2023 09:40	722.17	0.65	13	6.7	
OCC/23B/NB4S2	Oxey Mead Lake 2	03/04/2023 07:30	03/05/2023 09:40	722.17	0.87	17.3	9	Spider in tube
OCC/23B/NB4S3	Oxey Mead Lake 3	03/04/2023 07:30	03/05/2023 09:40	722.17	1.57	31.3	16.3	
OCC/23B/NB4S4	Wolvercote Village	03/04/2023 07:37	03/05/2023 10:09	722.53	0.72	14.3	7.4	
OCC/23B/NB4S5	Wolvercote Primary School	03/04/2023 07:42	03/05/2023 10:17	722.58	0.89	17.6	9.1	
OCC/23B/NB4S6	306 Woodstock Road	03/04/2023 07:48	03/05/2023 10:24	722.60	0.9	17.9	9.3	
OCC/23B/NB4S7	339 Bambury Road	03/04/2023 07:52	03/05/2023 10:26	722.57	1.33	26.4	13.7	
OCC/23B/NB4S8	191 Woodstock Road	03/04/2023 07:58	03/05/2023 10:32	722.57	1.2	23.7	12.3	
OCC/23B/NB4S9	48 Woodstock Road	03/04/2023 08:03	03/05/2023 10:36	722.55	1.26	25	13	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB4S10	99 Bambury Road	03/04/2023 08:08	03/05/2023 10:43	722.58	1.06	21	10.9	
OCC/23B/NB4S11	95 Parks Road	03/04/2023 08:16	03/05/2023 10:51	722.58	1.02	20.3	10.5	
OCC/23B/NB4S12	15 Bambury Road	03/04/2023 08:21	03/05/2023 10:57	722.60	1.04	20.6	10.7	
OCC/23B/NB4S13	Walton Street 76	03/04/2023 08:27	03/05/2023 11:01	722.57	0.94	18.6	9.7	
OCC/23B/NB4S14	69 Kingston Road	03/04/2023 08:29	03/05/2023 11:04	722.58	0.67	13.3	6.9	
OCC/23B/NB4S15	Park End Street	03/04/2023 08:37	03/05/2023 11:11	722.57	2.05	40.6	21.1	
OCC/23B/NB4S16	St Aldates 61	03/04/2023 08:43	03/05/2023 11:18	722.58	1.41	27.9	14.5	
OCC/23B/NB4S17	94 Howard St/ Catherine St	03/04/2023 08:56	03/05/2023 12:17	723.35	0.71	14.1	7.3	
OCC/23B/NB4S18	110 Magdalen Road	03/04/2023 09:02	03/05/2023 12:22	723.33	0.66	13.1	6.8	





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB4S19	Iffley Rd/ Stanley Rd	03/04/2023 09:09	03/05/2023 12:26	723.28	1.34	26.6	13.8	
OCC/23B/NB4S20	26 Prince St							Lost
OCC/23B/NB4S21	East Oxford Primary School	03/04/2023 09:42	03/05/2023 12:48	723.10	0.7	13.8	7.2	
OCC/23B/NB4S22	143 Morrel Av	03/04/2023 09:48	03/05/2023 12:53	723.08	0.96	19.1	9.9	
OCC/23B/NB4S23	138 - 146 Morrel Av	03/04/2023 09:50	03/05/2023 12:55	723.08	0.93	18.4	9.6	
OCC/23B/NB4S24	189 Divinity Rd	03/04/2023 09:52	03/05/2023 12:57	723.08	0.59	11.6	6	
OCC/23B/NB4S25	90 Valentia Rd	03/04/2023 09:54	03/05/2023 13:01	723.12	0.81	16	8.3	
OCC/23B/NB4S26	Hinksey hill/ Headington Rd	03/04/2023 10:05	03/05/2023 13:10	723.08	3.43	68	35.4	
OCC/23B/NB4S27	Marston Rd, St Michaels Primary School	03/04/2023 10:13	03/05/2023 13:19	723.10	1.09	21.6	11.2	Spider in tube





Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB4S28	189 Headley Way	03/04/2023 10:19	03/05/2023 13:23	723.07	1.36	27	14.1	
OCC/23B/NB4S29	7 Woodlands Rd	03/04/2023 10:22	03/05/2023 13:25	723.05	0.64	12.8	6.6	
OCC/23B/NB4S30	21 Latimer Rd	03/04/2023 10:24	03/05/2023 13:30	723.10	0.73	14.5	7.6	
OCC/23B/NB4S31	Ruskin Hall/ Dunstan Rd	03/04/2023 10:30	03/05/2023 13:36	723.10	1.07	21.3	11.1	
OCC/23B/NB4S32	19 Wharton Rd							Lost
OCC/23B/NB4S33	255 London Rd/ Gladstone Rd	03/04/2023 10:39	03/05/2023 13:46	723.12	1.53	30.4	15.8	
OCC/23B/NB4S34	25 Gladstone Rd	03/04/2023 10:40	03/05/2023 13:51	723.18	0.68	13.6	7.1	
OCC/23B/NB4S35	JR	03/04/2023 10:50	03/05/2023 14:04	723.23	1.45	28.7	14.9	
OCC/23B/NB4S36	Marston Ferry Rd/ Cherwell Drive	03/04/2023 10:57	03/05/2023 14:10	723.22	0.78	15.5	8.1	



Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB4S37	39 Marsh Lane	03/04/2023 11:03	03/05/2023 14:14	723.18	0.97	19.3	10	
OCC/23B/NB4S38	North way/ Cutteslowe Park	03/04/2023 11:08	03/05/2023 14:18	723.17	1.52	30.1	15.7	
OCC/23B/NB4S39	Northern bypass/ Phillips Tyres	03/04/2023 11:15	03/05/2023 14:25	723.17	2.13	42.2	22	Spider in tube
OCC/23B/NB4S40	Horsparth driftway/ Agwar stone Rd	03/04/2023 11:25	03/05/2023 14:37	723.20	1.27	25.2	13.1	
OCC/23B/NB4S41	126 The Slade	03/04/2023 11:32	03/05/2023 14:40	723.13	1.47	29.1	15.1	
OCC/23B/NB4S42	109 Old Rd	03/04/2023 11:35	03/05/2023 14:46	723.18	0.86	17.1	8.9	
OCC/23B/NB4S43	47 Quarry Rd	03/04/2023 11:37	03/05/2023 14:19	722.70	0.73	14.5	7.5	
OCC/23B/NB4S44	4 Quarry School							Lost
OCC/23B/NB4S45	99 Oliver Rd	03/04/2023 11:52	03/05/2023 15:17	723.42	2.19	43.3	22.5	



Sample Number	Site	Date and Time ON	Date and Time OFF	Exposure Time (Hours)	Total µg	µg m ⁻³	ppb	Comments
OCC/23B/NB4S46	Brasenose Farm (Eastern bypass)	03/04/2023 12:00	03/05/2023 15:25	723.42	2.32	45.9	23.9	
OCC/23B/NB4S47	22 Garsington Rd	03/04/2023 12:09	03/05/2023 15:35	723.43	1.32	26.1	13.5	
OCC/23B/NB4S48	St Christophers Primary School	03/04/2023 12:15	03/05/2023 15:43	723.47	0.63	12.5	6.5	
OCC/23B/NB4S49	119 Barns Rd	03/04/2023 12:22	03/05/2023 15:48	723.43	1.09	21.5	11.2	
OCC/23B/NB4S50	Oxford Rd/ Newman Rd	03/04/2023 12:35	03/05/2023 16:09	723.57	1.9	37.6	19.5	
OCC/23B/NB4S51	A34 Wolvercote Meadows	03/04/2023 12:48	03/05/2023 16:24	723.60	1.92	38.1	19.8	
OCC/23B/NB4S52	A34 Wolvercote Meadows 2	03/04/2023 12:53	03/05/2023 16:29	723.60	1.62	32.1	16.7	
OCC/23B/NB4S53	67 Southern bypass	03/04/2023 13:00	03/05/2023 16:33	723.55	3.41	67.6	35.2	

