

MONITORIZAÇÃO DA QUALIDADE DO AR NA CIDADE DE VALE DE CAMBRA







ANEXO IV - RESULTADOS DE POLUENTES ATMOSFÉRICOS

ANEXO IV_RM_QUALAR_202304_MA_PR.72.22 MUNICÍPIO VALE DE CAMBRA.v0

MUNICÍPIO DE VALE DE CAMBRA

OS PARECERES OU OPINIÕES EXPRESSOS NO RELATÓRIO NÃO ESTÃO ÎNCLUÍDOS NO ÂMBITO DA ACREDITAÇÃO O ENSAIO ASSINALADO COM "[*]" NÃO ESTÁ INCLUÍDO NO ÂMBITO DA ACREDITAÇÃO O ENSAIO ASSINALADO COM "SCA" FOI SUBCONTRATADO A LABORATÓRIO ACREDITADO





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Tabela 1 – Taxa total de recolha de dados no local de medição P1

Referência da Campanha	Número total de dias monitorizados	Таха	de Recolha Anual
NO	63	17%	do ano
NO ₂	63	17%	do ano
NOx	63	17%	do ano
SO ₂	78	21%	do ano
Benzeno	78	21%	do ano
PM10	70	19%	do ano

P1 - 1ª CAMPANHA (16 A 22/06/2022)

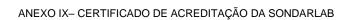
Nas Tabelas seguintes, os períodos sem medição (para cada parâmetro) estão devidamente assinalados, sendo justificada a causa da omissão de dados.

Tabela 2 – Resultados horários referentes às medições realizadas no ponto de medição P1 – 1ª Campanha

Data	NO ± In	c. E	Expand	dida	NO ₂ ± Ir	nc. I	Expan	dida	NOx =	± Inc	c. Expan	dida			Inc.	
24.4		µg/ı	-			μg/ı		<u></u>			g/m³			µg/r		
2022/06/16T01:00:00Z	28	±	6	(A)	18	±	5	(A)	61	±	9	(A)				
2022/06/16T02:00:00Z	61	±	9	(A)	28	±	6	(A)	121	±	17	(A)	33	١.	10	(
2022/06/16T03:00:00Z	43	±	7	(A)	20	±	5	(A)	86	Ŧ	12	(A)	33	±	10	(A)
2022/06/16T04:00:00Z	42	±	7	(A)	21	±	5	(A)	86	±	12	(A)				
2022/06/16T05:00:00Z	41	±	7	(A)	23	±	5	(A)	86	Ŧ	12	(A)				
2022/06/16T06:00:00Z	46	±	8	(A)	25	±	5	(A)	96	±	14	(A)	34	١.	10	(
2022/06/16T07:00:00Z	45	±	7	(A)	29	±	6	(A)	98	Ŧ	14	(A)	34	±	10	(A)
2022/06/16T08:00:00Z	40	±	7	(A)	24	±	5	(A)	84	±	12	(A)				
2022/06/16T09:00:00Z	38	±	7	(A)	24	±	5	(A)	82	±	12	(A)				
2022/06/16T10:00:00Z	27	±	6	(A)	19	±	5	(A)	60	±	9	(A)	32	١.	10	(
2022/06/16T11:00:00Z	29	±	6	(A)	18	±	5	(A)	63	±	10	(A)	32	±	10	(A)
2022/06/16T12:00:00Z	25	±	5	(A)	17	±	5	(A)	56	±	9	(A)				
2022/06/16T13:00:00Z	17	±	5	(A)	15	±	5	(A)	41	±	7	(A)				
2022/06/16T14:00:00Z	8,4	±	4,2	(A)	10	±	4	(A)	23	±	5	(A)	29	١.	10	(
2022/06/16T15:00:00Z	EQUP		-		EQUP		•		EQUP		-		29	±	10	(A)
2022/06/16T16:00:00Z	EQUP		-		EQUP		•		EQUP		-					
2022/06/16T17:00:00Z	EQUP		-		EQUP		-		EQUP		-					
2022/06/16T18:00:00Z	EQUP		-		EQUP		•		EQUP		-		29	±	10	(
2022/06/16T19:00:00Z	EQUP		-		EQUP		•		EQUP		-		29	I	10	(A)
2022/06/16T20:00:00Z	12	±	4	(A)	18	±	5	(A)	36	±	6	(A)				
2022/06/16T21:00:00Z	23	±	5	(A)	26	±	6	(A)	62	±	9	(A)				
2022/06/16T22:00:00Z	30	±	6	(A)	32	±	6	(A)	78	±	11	(A)	23	±	10	(A)
2022/06/16T23:00:00Z	32	±	6	(A)	29	±	6	(A)	78	±	11	(A)	23	I	10	(٨)
2022/06/17T00:00:00Z	32	±	6	(A)	25	±	5	(A)	73	±	11	(A)				
2022/06/17T01:00:00Z	41	±	7	(A)	29	±	6	(A)	91	±	13	(A)				
2022/06/17T02:00:00Z	53	±	8	(A)	33	±	6	(A)	115	±	16	(A)	18	±	10	(A)
2022/06/17T03:00:00Z	55	±	9	(A)	32	±	6	(A)	116	±	16	(A)	10	I	10	(٨)
2022/06/17T04:00:00Z	41	±	7	(A)	24	±	5	(A)	87	±	13	(A)				
2022/06/17T05:00:00Z	49	±	8	(A)	31	±	6	(A)	106	±	15	(A)	20	±	10	(A)
2022/06/17T06:00:00Z	51	±	8	(A)	29	±	6	(A)	107	±	15	(A)	20	Ξ	10	(٨)

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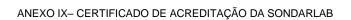




Data	NO ± Ir			dida	NO ₂ ± II	nc. I	Expan	dida	NOx		. Expan	dida	Ex	pan	Inc	
		μg/	m³			μg/	m³	1		μ	g/m³	T		ug/r	n³	
2022/06/17T07:00:00Z	55	±	9	(A)	32	±	6	(A)	116	±	16	(A)				
2022/06/17T08:00:00Z	44	±	7	(A)	28	±	6	(A)	95	±	14	(A)				
2022/06/17T09:00:00Z	31	±	6	(A)	24	±	5	(A)	71	±	11	(A)				
2022/06/17T10:00:00Z	14	±	5	(A)	13	±	5	(A)	35	±	6	(A)	19	±	10	(A)
2022/06/17T11:00:00Z	6,1	±	4,1	(A)	< 6,0		-	(A)	15	±	5	(A)	13	-	10	(八)
2022/06/17T12:00:00Z	9,2	±	4,3	(A)	8,4	±	4,2	(A)	23	±	5	(A)				
2022/06/17T13:00:00Z	13	±	4	(A)	16	±	5	(A)	35	±	6	(A)				
2022/06/17T14:00:00Z	10	±	4	(A)	17	±	5	(A)	32	±	6	(A)	23	±	10	(A)
2022/06/17T15:00:00Z	5,0	±	4,0	(A)	9,6	±	4,3	(A)	17	±	5	(A)		I	10	(٨)
2022/06/17T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,6	±	4,2	(A)				
2022/06/17T17:00:00Z	< 4,0		-	(A)	14	±	5	(A)	20	±	5	(A)				
2022/06/17T18:00:00Z	5,7	±	4,1	(A)	17	±	5	(A)	25	±	5	(A)	22	±	10	(A)
2022/06/17T19:00:00Z	5,4	±	4,0	(A)	12	±	4	(A)	21	±	5	(A)		I	10	(٨)
2022/06/17T20:00:00Z	10	±	4	(A)	22	±	5	(A)	38	±	7	(A)				
2022/06/17T21:00:00Z	15	±	5	(A)	30	±	6	(A)	53	±	8	(A)				
2022/06/17T22:00:00Z	9,2	±	4,3	(A)	15	±	5	(A)	30	±	6	(A)	22		40	(4)
2022/06/17T23:00:00Z	20	±	5	(A)	26	±	6	(A)	56	±	9	(A)	23	±	10	(A)
2022/06/18T00:00:00Z	31	±	6	(A)	33	±	6	(A)	80	±	12	(A)				
2022/06/18T01:00:00Z	41	±	7	(A)	39	±	7	(A)	102	±	15	(A)				
2022/06/18T02:00:00Z	45	±	7	(A)	39	±	7	(A)	108	±	15	(A)	4.7		40	(4)
2022/06/18T03:00:00Z	35	±	6	(A)	27	±	6	(A)	81	±	12	(A)	17	±	10	(A)
2022/06/18T04:00:00Z	33	±	6	(A)	27	±	6	(A)	78	±	11	(A)				
2022/06/18T05:00:00Z	36	±	6	(A)	27	±	6	(A)	81	±	12	(A)				
2022/06/18T06:00:00Z	46	±	8	(A)	34	±	6	(A)	104	±	15	(A)				
2022/06/18T07:00:00Z	48	±	8	(A)	38	±	7	(A)	112	±	16	(A)	21	±	10	(A)
2022/06/18T08:00:00Z	35	±	6	(A)	26	±	6	(A)	79	±	12	(A)	1			
2022/06/18T09:00:00Z	28	±	6	(A)	23	±	5	(A)	66	±	10	(A)				
2022/06/18T10:00:00Z	26	±	6	(A)	21	±	5	(A)	61	±	9	(A)	1			
2022/06/18T11:00:00Z	24	±	5	(A)	21	±	5	(A)	58	±	9	(A)	19	±	10	(A)
2022/06/18T12:00:00Z	15	±	5	(A)	13	±	5	(A)	37	±	7	(A)				
2022/06/18T13:00:00Z	11	±	4	(A)	11	±	4	(A)	28	±	6	(A)				
2022/06/18T14:00:00Z	13	±	4	(A)	16	±	5	(A)	35	±	6	(A)				
2022/06/18T15:00:00Z	11	±	4	(A)	14	±	5	(A)	31	±	6	(A)	12	±	9	(A)
2022/06/18T16:00:00Z	8,7	±	4,2	(A)	13	±	4	(A)	26	±	6	(A)				
2022/06/18T17:00:00Z	8,7	±	4,2	(A)	16	±	5	(A)	30	±	6	(A)				
2022/06/18T18:00:00Z	11	±	4	(A)	20	±	5	(A)	36	±	7	(A)	1			
2022/06/18T19:00:00Z	14	±	5	(A)	26	±	5	(A)	48	±	8	(A)	10	±	9	(A)
2022/06/18T20:00:00Z	16	±	5	(A)	29	±	6	(A)	54	±	8	(A)	1			
2022/06/18T21:00:00Z	20	±	5	(A)	31	±	6	(A)	62	±	9	(A)				
2022/06/18T22:00:00Z	29	±	6	(A)	38	±	7	(A)	82	±	12	(A)				
2022/06/18T23:00:00Z	36	±	6	(A)	39	±	7	(A)	95	±	14	(A)	11	±	9	(A)
2022/06/19T00:00:00Z	31	±	6	(A)	33	±	6	(A)	81	±	12	(A)				
2022/06/19T01:00:00Z	34	±	6	(A)	32	±	6	(A)	84	±	12	(A)				
2022/06/19T01:00:00Z	46	±	7	(A)	38	±	7	(A)	108	±	15	(A)				
2022/06/19T02:00:00Z	48	±	8	(A)	35	±	6	(A)	110	±	16	(A)	< 10		-	(A)
2022/06/19T04:00:00Z	52		8	(A)	36	±	6	(A)	115	±	16	(A)				
2022/06/19T04:00:00Z	58	±	9	(A)	38	±	7	(A)	128	±	18	(A)	 			
2022/06/19T05:00:00Z	57	±	9	(A)	37	±	7	(A)	125	±	18	(A)	†			
2022/06/19T06:00:00Z	55 55	±	9	(A)	32	±	6	(A)	116	±	16	(A)	< 10		-	(A)
2022/06/19T07:00:00Z 2022/06/19T08:00:00Z	50 50	±	8		33	±	6	(A)	110	±	16	(A)	†			
2022/06/19T08:00:00Z	31		6	(A) (A)	22	±	5	(A)	70	±	10	(A)	< 10		-	(A)
ZUZZ/UU/181U8.UU.UUZ	31	±	U	(^)	22	ı ±	Ü	(^)	70	T	10	(A)	\ 10	l	_	(八)

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Data	NO ± Ir	nc. E	Expand	dida	NO ₂ ± I	nc.	Expan	dida	NOx:	± Inc	:. Expan	dida			lnc dida	
24.6		μg/			1102 = 1	μg/	_	<u> </u>			g/m³		1 '	ug/r		
2022/06/19T10:00:00Z	25	±	5	(A)	20	±	5	(A)	58	±	9	(A)		<u> </u>		
2022/06/19T11:00:00Z	23	±	5	(A)	21	±	5	(A)	56	±	9	(A)				
2022/06/19T12:00:00Z	19	±	5	(A)	19	±	5	(A)	48	±	8	(A)				
2022/06/19T13:00:00Z	17	±	5	(A)	18	±	5	(A)	45	±	7	(A)				
2022/06/19T14:00:00Z	15	±	5	(A)	16	±	5	(A)	39	±	7	(A)				
2022/06/19T15:00:00Z	11	±	4	(A)	14	±	5	(A)	31	±	6	(A)	< 10		-	(A)
2022/06/19T16:00:00Z	13	±	5	(A)	17	±	5	(A)	37	±	7	(A)				
2022/06/19T17:00:00Z	9,3	±	4,3	(A)	11	±	4	(A)	25	±	5	(A)				
2022/06/19T18:00:00Z	9,8	±	4,3	(A)	18	±	5	(A)	33	±	6	(A)				
2022/06/19T19:00:00Z	12	±	4	(A)	23	±	5	(A)	41	±	7	(A)	< 10		-	(A)
2022/06/19T20:00:00Z	13	±	5	(A)	28	±	6	(A)	48	±	8	(A)				
2022/06/19T21:00:00Z	16	±	5	(A)	31	±	6	(A)	55	±	9	(A)				
2022/06/19T22:00:00Z	13	±	5	(A)	22	±	5	(A)	43	±	7	(A)	1			
2022/06/19T23:00:00Z	12	±	4	(A)	17	±	5	(A)	35	±	6	(A)	12	±	9	(A)
2022/06/20T00:00:00Z	27	±	6	(A)	33	±	6	(A)	74	±	11	(A)				
2022/06/20T01:00:00Z	33	±	6	(A)	35	±	6	(A)	85	±	12	(A)				
2022/06/20T02:00:00Z	41	±	7	(A)	41	±	7	(A)	104	±	15	(A)				
2022/06/20T03:00:00Z	43	±	7	(A)	38	±	7	(A)	104	±	15	(A)	11	±	9	(A)
2022/06/20T04:00:00Z	41	±	7	(A)	30	±	6	(A)	93	±	13	(A)				
2022/06/20T05:00:00Z	39	±	7	(A)	26	±	5	(A)	85	±	12	(A)				
2022/06/20T06:00:00Z	44	±	7	(A)	32	±	6	(A)	100	±	14	(A)				
2022/06/20T07:00:00Z	42	±	7	(A)	36	±	6	(A)	100	±	14	(A)	11	±	9	(A)
2022/06/20T08:00:00Z	33	±	6	(A)	33	±	6	(A)	84	±	12	(A)	1			
2022/06/20T09:00:00Z	<u>33</u>	±	6	(A)	27	±	6	(A)	72	±	11	(A)				
2022/06/20T10:00:00Z	26	±	5	(A)	25	±	5	(A)	64	±	10	(A)	1			
2022/06/20T10:00:00Z	20	±	5	(A)	23	±	5	(A)	54	±	8	(A)	< 10		-	(A)
2022/06/20T12:00:00Z	21	±	5	(A)	24	±	5	(A)	57	±	9	(A)				
2022/06/20T13:00:00Z	15	±	5	(A)	18	±	5	(A)	40	±	7	(A)				
2022/06/20T14:00:00Z	12	±	4	(A)	17	±	5	(A)	34	±	6	(A)	1			
2022/06/20T15:00:00Z	10	±	4	(A)	17	±	5	(A)	32	±	6	(A)	< 10		-	(A)
2022/06/20T16:00:00Z	8,9	±	4,2	(A)	15	±	5	(A)	29	±	6	(A)	1			
2022/06/20T17:00:00Z	10	±	4	(A)	21	±	5	(A)	36	±	7	(A)				
2022/06/20T18:00:00Z	12	±	4	(A)	25	±	5	(A)	43	±	7	(A)				
2022/06/20T19:00:00Z	12	±	4	(A)	24	±	5	(A)	43	±	7	(A)	< 10		-	(A)
2022/06/20T20:00:00Z	15	±	5	(A)	29	±	6	(A)	52	±	8	(A)				
2022/06/20T21:00:00Z	26	±	5	(A)	42	±	7	(A)	82	±	12	(A)				
2022/06/20T22:00:00Z	27	±	6	(A)	38	±	7	(A)	79	±	12	(A)	1			
2022/06/20T23:00:00Z	34	±	6	(A)	40	±	7	(A)	91	±	13	(A)	< 10		-	(A)
2022/06/21T00:00:00Z	37	±	7	(A)	38	±	7	(A)	96	±	14	(A)				
2022/06/21T01:00:00Z	38	±	7	(A)	33	±	6	(A)	90	±	13	(A)				
2022/06/21T01:00:00Z	34	±	6	(A)	28	±	6	(A)	80	±	12	(A)	1			
2022/06/21T02:00:00Z	42	±	7	(A)	32	±	6	(A)	96	±	14	(A)	< 10		-	(A)
2022/06/21T04:00:00Z	49	±	8	(A)	41		7	(A)	115		16	(A)				
2022/06/21T04:00:00Z	49 48	±	8	(A)	37	±	7	(A)	110	±	16	(A)				
2022/06/21T05:00:00Z	47	±	8	(A)	36	±	7	(A)	109	±	15	(A)				
2022/06/21T07:00:00Z			6						82				< 10		-	(A)
	34	±		(A)	30	±	6	(A)		±	12	(A)	1			
2022/06/21T08:00:00Z	31	±	6	(A)	27	±	6	(A)	74	±	11	(A)	 	 		
2022/06/21T09:00:00Z	26	±	5 5	(A)	24 22	±	5 5	(A)	63	±	9	(A)	1			
2022/06/21T10:00:00Z	24	±		(A)		±		(A)	59 60	±		(A)	< 10		-	(A)
2022/06/21T11:00:00Z 2022/06/21T12:00:00Z	24 19	±	5 5	(A)	24 19	±	5 5	(A)	60 48	±	<u>9</u> 8	(A)	1			
2022/00/21112.00.002	19	±	υ	(A)	19	±	၁	(A)	40	±	0	(A)	<u> </u>	<u> </u>		I

Este Relatório só pode ser reproduzido na íntegra, exceto quando seja autorizado pela SondarLab, Lda. O conteúdo deste relatório é confidencial, devendo a SondarLab, Lda. respeitar esse direito. Relatório elaborado pela SondarLab em 2023/04/28 a pedido de MUNICÍPIO DE VALE DE CAMBRA





Dete	NO . I			J: J.	NO . I			-I! -I -	NO	. 1	·	J! J _		10± Inc	
Data	NO ± II			lida	NO ₂ ± I			aida	NOX		c. Expan	alaa		andida g/m³	1
2022/06/21T13:00:00Z	16	μg/ı	5	(A)	20	μg/i ±	5	(A)	45	μ ±	g/m³ 7	(A)	μ	9/111-	I
2022/06/21T13:00:00Z	16	±		(A)	19	±	5	(A)	43	±	7	(A)			
2022/06/21T14:00:00Z	18	±	5	(A)	25	±	5	(A)	53	±	8	(A)	< 10	-	(A)
2022/06/21T16:00:00Z	25	±	5	(A)	34	±	6	(A)	72	±	11	(A)			
2022/06/21T17:00:00Z	19	±		(A)	24	±	5	(A)	54	±	8	(A)			
2022/06/21T17:00:00Z	16	±	<u> </u>	(A)	23	±	5	(A)	47	±	8	(A)			
2022/06/21T18:00:00Z	17	±	5	(A)	25	±	5	(A)	51	±	8	(A)	< 10	-	(A)
2022/06/21T19:00:00Z	17	±		(A)	27	±	6	(A)	56	±	9	(A)			
		_	<u>5</u>	` /		1	_	_ ` /		1		/			
2022/06/21T21:00:00Z	25	±		(A)	30 31	±	6	(A)	68 74	±	10	(A)	-		
2022/06/21T22:00:00Z	28	±	6 6	(A)	34	±	6	(A)		±	11 12	(A)	< 10	-	(A)
2022/06/21T23:00:00Z	33	±		(A)		±		(A)	86	±		(A)			
2022/06/22T00:00:00Z	38	±	7	(A)	36	±	6	(A)	94	±	13	(A)			
2022/06/22T01:00:00Z	30	±	6	(A)	26	±	6	(A)	72	±	11	(A)			
2022/06/22T02:00:00Z	35	±	6	(A)	29	±	6	(A)	83	±	12	(A)	< 10	-	(A)
2022/06/22T03:00:00Z	51	±	8	(A)	37	±	7	(A)	116	±	16	(A)			
2022/06/22T04:00:00Z	51	±	8	(A)	32	±	6	(A)	110	±	16	(A)			
2022/06/22T05:00:00Z	48	±	8	(A)	31	±	6	(A)	105	±	15	(A)			
2022/06/22T06:00:00Z	45	±	7	(A)	32	±	6	(A)	101	±	14	(A)	< 10	-	(A)
2022/06/22T07:00:00Z	52	±	8	(A)	38	±	7	(A)	117	±	17	(A)			` '
2022/06/22T08:00:00Z	39	±	7	(A)	31	±	6	(A)	90	±	13	(A)			
2022/06/22T09:00:00Z	34	±	6	(A)	26	±	6	(A)	78	±	11	(A)			
2022/06/22T10:00:00Z	30	±	6	(A)	23	±	5	(A)	70	±	10	(A)	< 10	-	(A)
2022/06/22T11:00:00Z	34	±	6	(A)	30	±	6	(A)	83	±	12	(A)			()
2022/06/22T12:00:00Z	26	±	6	(A)	20	±	5	(A)	61	±	9	(A)			
2022/06/22T13:00:00Z	24	±	5	(A)	25	±	5	(A)	62	±	9	(A)			
2022/06/22T14:00:00Z	19	±	5	(A)	20	±	5	(A)	49	±	8	(A)	< 10		(A)
2022/06/22T15:00:00Z	18	±	5	(A)	20	±	5	(A)	47	±	8	(A)			(,,)
2022/06/22T16:00:00Z	18	±	5	(A)	22	±	5	(A)	49	±	8	(A)			
2022/06/22T17:00:00Z	19	±	5	(A)	25	±	5	(A)	54	±	8	(A)			
2022/06/22T18:00:00Z	21	±	5	(A)	27	±	6	(A)	59	±	9	(A)	< 10		(A)
2022/06/22T19:00:00Z	23	±	5	(A)	30	±	6	(A)	65	±	10	(A)	\ 10		(~)
2022/06/22T20:00:00Z	24	±	5	(A)	31	±	6	(A)	68	±	10	(A)			
2022/06/22T21:00:00Z	28	±	6	(A)	35	±	6	(A)	78	±	11	(A)			
2022/06/22T22:00:00Z	31	±	6	(A)	37	±	7	(A)	84	±	12	(A)	< 10		(A)
2022/06/22T23:00:00Z	36	±	6	(A)	34	±	6	(A)	89	±	13	(A)	\ 10		(~)
2022/06/23T00:00:00Z	41	±	7	(A)	32	±	6	(A)	96	±	14	(A)			

A – Valor Horário Acreditado

EQUP - Valor Horário Inválido devido a problema operacional no equipamento.

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")





Tabela 3 – Resultados médios diários referentes às medições realizadas no ponto de medição P1 – 2ª Campanha

Período de Integração	24	1H		24	ŀΗ		24	1H		24H		24H		
Data	NO ± Ir	nc. E	xp.	NO2 ± I	nc. E	хр.	NOx ± I	nc. E	хр.	SO2 ± Inc. Ex	φ.	PM10 ± Inc	c. E	хр.
Dala	μg	/m³		μg/	m³		μg	/m³		μg/m³		μg/m	3	
16/06/2022	33	±	5	22	±	5	72	±	9	< 9,0	-	30	±	9
17/06/2022	24	±	5	21	±	5	58	±	7	< 9,0	•	21	±	9
18/06/2022	26	±	5	26	±	5	66	±	8	< 9,0	-	15	±	9
19/06/2022	28	±	5	26	±	5	68	±	8	< 9,0	-	< 10		-
20/06/2022	26	±	5	29	±	5	69	±	8	< 9,0	•	< 10		-
21/06/2022	29	±	5	28	±	5	72	±	9	< 9,0	-	< 10		-
22/06/2022	32	±	5	29	±	5	79	±	9	< 9,0	-	< 10		-

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 4 – Condições de temperatura e humidade relativa no interior do abrigo onde foram realizados os ensaios de medição – 2ª campanha

Indicador estatístico	Humidade Relativa (%) [*]	Temperatura (°C) [*]
Média	56	20
Máximo Horário	70	22
Mínimo Horário	35	19

^{[*] –} Ensaio fora do âmbito da acreditação da Sondarlab, Lda.

P1 - 2ª CAMPANHA (23 A 31/07/2022)

Tabela 5 – Resultados horários referentes às medições realizadas no ponto de medição P1 – 2ª Campanha

μg/m³ μg/											_				-	Inc.	
2022/07/23T01:00:00Z EQUP - EQUP - < 9,0	Data	NO ± Inc	c. Expandid	a NO ₂ ± Ir	nc. Expan	ndida	NOx ± Ir	nc. Expan	dida	$SO_2 \pm Ir$	nc. Ex	pan	dida	Exp	ano	dida	
2022/07/23T02:00:00Z EQUP - EQUP - EQUP - < 9,0 - (A) 2022/07/23T03:00:00Z EQUP - EQUP - < 9,0 - (A) 2022/07/23T05:00:00Z EQUP - EQUP - < 9,0 - (A) 2022/07/23T06:00:00Z EQUP - EQUP - < 9,0 - (A) 2022/07/23T06:00:00Z EQUP - EQUP - < 9,0 - (A) 2022/07/23T06:00:00Z EQUP - EQUP - < 9,0 - (A) 2022/07/23T07:00:00Z EQUP - EQUP - < 9,0 - (A) 2022/07/23T07:00:00Z EQUP - EQUP - < 9,0 - (A) 2022/07/23T08:00:00Z EQUP - EQUP - < 9,0 - (A) 2022/07/23T08:00:00Z EQUP - EQUP - < 9,0 - (A)			ıg/m³		μg/m³			µg/m³			µg/m³	3		μ	g/n	1 ³	
2022/07/23T03:00:00Z	2022/07/23T01:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)				
2022/07/23T03:00:00Z EQUP - EQUP - < 9,0	2022/07/23T02:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)	EOLIB			
2022/07/23T05:00:00Z	2022/07/23T03:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)	EQUE		-	
2022/07/23T06:00:00Z EQUP - EQUP - EQUP - < 9,0 - (A) < 10 - (2022/07/23T08:00:00Z EQUP - EQUP - < 9,0 - (A) < 9,0 - (A) < 10 - (A) < (A) < (A) < (A) < (A) < (B)	2022/07/23T04:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)				
2022/07/23T07:00:00Z EQUP - EQUP - EQUP - < 9,0 - (A) < 10 - (A) 2022/07/23T08:00:00Z EQUP - EQUP - < 9,0 - (A)	2022/07/23T05:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)				
2022/07/23T07:00:00Z EQUP - EQUP - EQUP - < 9,0 - (A) 2022/07/23T08:00:00Z EQUP - EQUP - EQUP - < 9,0 - (A)	2022/07/23T06:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)	- 10			(4)
5010	2022/07/23T07:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)	< 10		-	(A)
CONSIDER OF SOME TOURS TOURS TOURS TOURS TOURS TOURS	2022/07/23T08:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)				
2022/07/23109:00:00Z EQUP - EQUP - EQUP - < 9,0 - (A)	2022/07/23T09:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)				
2022/07/23T10:00:00Z EQUP - EQUP - EQUP - < 9,0 - (A) 21 + 10 (A)	2022/07/23T10:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)	04		40	(4)
2022/07/23T11:00:00Z EQUP - EQUP - < 9,0 - (A) 21 ± 10 (A	2022/07/23T11:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)	21	±	10	(A)
2022/07/23T12:00:00Z	2022/07/23T12:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)				
2022/07/23T13:00:00Z	2022/07/23T13:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)				
2022/07/23T14:00:00Z	2022/07/23T14:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)	22		10	(4)
2022/07/23T15:00:00Z EQUP - EQUP - EQUP - < 9,0 - (A) 23 ± 10 (A	2022/07/23T15:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)	23	±	10	(A)
2022/07/23T16:00:00Z EQUP - EQUP - < 9,0 - (A)	2022/07/23T16:00:00Z	EQUP	-	EQUP	-		EQUP	-		< 9,0		-	(A)				



Data	NO ± Inc.	Expandida	NO ₂ ± Ir	ıc. Expandida		nc. Expandida	SO ₂ ± In	c. Expar	ndida	Exp	oand	Inc. dida	
		ı/m³		µg/m³		µg/m³	ŀ	ug/m³		ŀ	ıg/m	1 ³	
2022/07/23T17:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/23T18:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	18	±	10	(A)
2022/07/23T19:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	10	-	10	(//)
2022/07/23T20:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/23T21:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/23T22:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	16	±	10	(A)
2022/07/23T23:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	10	I	10	(٨)
2022/07/24T00:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/24T01:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/24T02:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	< 10			(4)
2022/07/24T03:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	< 10		-	(A)
2022/07/24T04:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/24T05:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/24T06:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)			_	(4)
2022/07/24T07:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	11	±	9	(A)
2022/07/24T08:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	_	(A)				
2022/07/24T09:00:00Z	EQUP	1 - 1	EQUP	-	EQUP	_	< 9,0	_	(A)				
2022/07/24T10:00:00Z	EQUP	1 -	EQUP	_	EQUP	_	< 9,0	_	(A)				
2022/07/24T11:00:00Z	EQUP	1 -	EQUP	_	EQUP	_	< 9,0	_	(A)	< 10		-	(A)
2022/07/24T12:00:00Z	EQUP	_	EQUP		EQUP		< 9,0	_	(A)				
2022/07/24T12:00:00Z	EQUP	1 -	EQUP		EQUP	-	< 9,0	_	(A)				
2022/07/24T13:00:00Z	EQUP	1 -	EQUP		EQUP		< 9,0		(A)				
2022/07/24T15:00:00Z	EQUP	-	EQUP	_	EQUP		< 9,0	_	(A)	< 10		-	(A)
2022/07/24T15:00:00Z	EQUP	+ -	EQUP		EQUP		< 9,0	<u>-</u>	(A)				
2022/07/24T10:00:00Z	EQUP	+ -	EQUP		EQUP		< 9,0	 	(A)				-
	EQUP	 	EQUP		EQUP		< 9,0	 -	(A)				
2022/07/24T18:00:00Z	EQUP	-	EQUP	-	EQUP			-		13	±	9	(A)
2022/07/24T19:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0		(A)				
2022/07/24T20:00:00Z	EQUP	-	EQUP	-	EQUP		< 9,0	-	(A)				-
2022/07/24T21:00:00Z	EQUP	-	EQUP		EQUP		< 9,0	-	(A)				
2022/07/24T22:00:00Z	EQUP	-	EQUP		EQUP		< 9,0		(A)	< 10		-	(A)
2022/07/24T23:00:00Z	EQUP	-	EQUP		EQUP		< 9,0	-	(A)				
2022/07/25T00:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/25T01:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/25T02:00:00Z		-		-	EQUP	-	< 9,0	-	(A)	< 10		-	(A)
2022/07/25T03:00:00Z	EQUP	-	EQUP	-		-	< 9,0	-	(A)				
2022/07/25T04:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				-
2022/07/25T05:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/25T06:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	< 10		-	(A)
2022/07/25T07:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
2022/07/25T08:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				ļ
2022/07/25T09:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/25T10:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	< 10		_	(A)
2022/07/25T11:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	1.0			(,,)
2022/07/25T12:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/25T13:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/25T14:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	11	±	9	(A)
2022/07/25T15:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)		-	J	('')
2022/07/25T16:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/25T17:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2022/07/25T18:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	13	±	9	(A)
2022/07/25T19:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				

Este Relatório só pode ser reproduzido na íntegra, exceto quando seja autorizado pela SondarLab, Lda. O conteúdo deste relatório é confidencial, devendo a SondarLab, Lda. respeitar esse direito. Relatório elaborado pela SondarLab em 2023/04/28 a pedido de MUNICÍPIO DE VALE DE CAMBRA ANEXO IV RM QUALAR 202304 MA PR.72.22 MUNICÍPIO VALE DE CAMBRA.VO

Pac acreditação



Data	NO ± In	c. Expar	ndida	NO ₂ ± Ir	nc. I	Expar	dida	NOx ± II			ndida	SO ₂ ± Ir	nc. E	Expar	dida	Exp	oan	Inc. dida	
		µg/m³			μg/	m³			μg/ı	m³			μg/ı	m³		ŀ	ıg/n	า ³	
2022/07/25T20:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/25T21:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/25T22:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)	13	±	9	(A)
2022/07/25T23:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)	10	-	3	(/ 1)
2022/07/26T00:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T01:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T02:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)	< 10		_	(A)
2022/07/26T03:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)	< 10		_	(٨)
2022/07/26T04:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T05:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T06:00:00Z	EQUP	-		EQUP		•		EQUP		•		< 9,0		-	(A)	< 10		_	(A)
2022/07/26T07:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)	< 10		-	(A)
2022/07/26T08:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T09:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T10:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)	40		40	(4)
2022/07/26T11:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)	19	±	10	(A)
2022/07/26T12:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T13:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T14:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)			•	(4)
2022/07/26T15:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		_	(A)	11	±	9	(A)
2022/07/26T16:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T17:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T18:00:00Z	EQUP	_		EQUP		_		EQUP		_		< 9,0		_	(A)			_	
2022/07/26T19:00:00Z	EQUP	_		EQUP		_		EQUP		_		< 9,0		_	(A)	12	±	9	(A)
2022/07/26T20:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T21:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T22:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/07/26T23:00:00Z	EQUP	-		EQUP		-		EQUP		-		< 9,0		-	(A)	14	±	10	(A)
2022/07/27T00:00:00Z	EQUP	_		EQUP		_		EQUP		_		< 9,0		_	(A)				
2022/07/27T01:00:00Z	EQUP	-		EQUP		_		EQUP		_		< 9,0		_	(A)				
2022/07/27T02:00:00Z	EQUP	<u> </u>		EQUP		_		EQUP		_		< 9,0		_	(A)				
2022/07/27T03:00:00Z	EQUP	_		EQUP		_		EQUP		_		< 9,0		_	(A)	< 10		-	(A)
2022/07/27T04:00:00Z	EQUP	_		EQUP		_		EQUP		_		< 9,0		_	(A)				
2022/07/27T05:00:00Z	EQUP	l		EQUP		_		EQUP		_		< 9,0		_	(A)				
2022/07/27T06:00:00Z	EQUP	<u> </u>		EQUP		_		EQUP		_		< 9,0		_	(A)				
2022/07/27T07:00:00Z	EQUP	l		EQUP		_		EQUP		_		< 9,0		-	(A)	< 10		-	(A)
2022/07/27T08:00:00Z	EQUP	-		EQUP		_		EQUP		_		< 9,0		_	(A)				
2022/07/27T09:00:00Z	EQUP	H -		EQUP				EQUP				< 9,0		_	(A)				
2022/07/27T10:00:00Z	EQUP	 		EQUP		_		EQUP		_		< 9,0		-	(A)				
2022/07/27T11:00:00Z	EQUP	H -		EQUP				EQUP				< 9,0		_	(A)	13	±	9	(A)
2022/07/27T12:00:00Z	EQUP			EQUP				EQUP				< 9,0			(A)				
2022/07/27T13:00:00Z	EQUP	_		EQUP		_		EQUP		_		< 9,0			(A)				
2022/07/27T13:00:00Z	EQUP	 		EQUP				EQUP				< 9,0			(A)				
2022/07/27T15:00:00Z	EQUP	 		EQUP				EQUP		-		< 9,0			(A)	13	±	9	(A)
2022/07/27T16:00:00Z	< 4,0		(A)	10	±	4	(A)	13	±	5	(A)	< 9,0		<u> </u>	(A)				
2022/07/27T17:00:00Z	< 4,0		(A)	9,5	±	4,3	(A)	13		4	(A)	< 9,0		<u> </u>	` '		1		
		l						13	±	4					(A)				
2022/07/27T18:00:00Z	< 4,0	-	(A)	9,4	±	4,3	(A)		± ·		(A)	< 9,0	\vdash	-	(A)	21	±	10	(A)
2022/07/27T19:00:00Z	< 4,0	 	(A)	11	±	4	(A)	14	±	5	(A)	< 9,0	H	-	(A)				
2022/07/27T20:00:00Z	< 4,0	 -	(A)	12	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)		\vdash		
2022/07/27T21:00:00Z	< 4,0	-	(A)	13	±	5	(A)	15	±	5	(A)	< 9,0	Н	-	(A)	15	±	10	(A)
2022/07/27T22:00:00Z	< 4,0	-	(A)	15	±	5	(A)	17	±	5	(A)	< 9,0		-	(A)				

Este Relatório só pode ser reproduzido na íntegra, exceto quando seja autorizado pela SondarLab, Lda. O conteúdo deste relatório é confidencial, devendo a SondarLab, Lda. respeitar esse direito. Relatório elaborado pela SondarLab em 2023/04/28 a pedido de MUNICÍPIO DE VALE DE CAMBRA ANEXO IV_RM_QUALAR_202304_MA_PR.72.22 MUNICÍPIO VALE DE CAMBRA.v0

MSL.0228 a) (38)

L0353 ISO/IEC 17025 Ensaios

202304_MA_PR.72.22 MUNICIPIO VALE DE **CAIVIDRA. VO** Página 9 de 50



2022/07/29T15:00:00Z < 4,0	Data	NO ± Ir	nc. E	Expan	dida	NO ₂ ± Ir	nc. I	Expar	dida	NOx ± I	nc.	Expar	ndida	SO ₂ ± Ir		_	ndida			Inc dida	
D022007/28T00:00:0002			μg/	m³			μg/i	m³			μg/ı	m³			μg/	m³		ŀ	ıg/n	n³	
	022/07/27T23:00:00Z	< 4,0		-	(A)	14	±	5	(A)	16	±	5	(A)	< 9,0		-	(A)				
		< 4,0		-	(A)	12	±	4	(A)	15	±	5	(A)	< 9,0		-	(A)				
	022/07/28T01:00:00Z	< 4,0		-	(A)	8,7	±	4,2	(A)	10	±	4	(A)	< 9,0		-	(A)				
202207/28T03:00:000	022/07/28T02:00:00Z	< 4,0		-	(A)	9,1	±	4,3	(A)	11	±	4	(A)	< 9,0		-	(A)	- 10		_	(A)
202207/28T05:00.00Z	022/07/28T03:00:00Z	< 4,0		-	(A)	8,0	±	4,2	(A)	9,6	±	4,3	(A)	< 9,0		-	(A)	V 10		_	(^)
2022/07/28T06:00:002	022/07/28T04:00:00Z	< 4,0		-	(A)	6,9	±	4,1	(A)	8,2	±	4,2	(A)	< 9,0		·	(A)				
202207/28T07:00:00Z	022/07/28T05:00:00Z	< 4,0		-	(A)	6,9	±	4,1	(A)	8,7	±	4,2	(A)	< 9,0		-	(A)				
2022/07/28T09:00:00Z	022/07/28T06:00:00Z	< 4,0		-	(A)	9,4	±	4,3	(A)	11	±	4	(A)	12	±	5	(A)	. 10			(4)
2022/07/28T19:00:00Z	022/07/28T07:00:00Z	4,8	±	4,0	(A)	14	±	5	(A)	21	±	5	(A)	< 9,0		-	(A)	< 10		-	(A)
2022/07/28T11:00:00Z	022/07/28T08:00:00Z	13	±	5	(A)	24	±	5	(A)	44	±	7	(A)	< 9,0		-	(A)				
2022/07/28T11:00:00Z	022/07/28T09:00:00Z	6,5	±	4,1	(A)	20	±	5	(A)	30	±	6	(A)	< 9,0		-	(A)				
2022/07/28T11:00:000Z	022/07/28T10:00:00Z	5,9	±	4,1	(A)	19	±	5	(A)	28	±	6	(A)	< 9,0		-	(A)	. 40			(4)
2022/07/28T13:00:00Z	022/07/28T11:00:00Z	< 4,0		-	(A)	6,8	±	4,1	(A)	10	±	4	(A)	< 9,0		-	(A)	< 10		-	(A)
2022/07/28T14:00:00Z	022/07/28T12:00:00Z	< 4,0		-	(A)	11	±	4	(A)	17	±	5	(A)	< 9,0			(A)				
2022/07/28T14:00:00Z		< 4,0		-	` '	11	±	4		16	±	5	` '			-	` ′				
2022/07/28T15:00:00Z	022/07/28T14:00:00Z	< 4,0		-	` '			-	` '	7,2	±		(A)			-		10			(4)
2022/07/28T16:00:00Z		< 4.0		-	` '			-	` '		±		` '			-		< 10		-	(A)
2022/07/28T18:00:00Z				-				-								-					
2022/07/28T18:00:00Z		,		-				-			±	4.1				-	` '				
2022/07/28T19:00:00Z				-	` '			-	` '				_ ` /			-	` '	1		_	
2022/07/28T20:00:00Z				-			±	4.1			+	4.2				-		11	±	9	(A)
2022/07/28T21:00:00Z				-						-			` '			-					
CO22/07/28T22:00:00Z				-	` '		1		` '		_		` '			-	` '				
Continue				-					-							-					
2022/07/29T00:00:00Z				-	` '		1				_		` '			-		< 10		-	(A)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				-	` '						_		_ ` /			-	` '				
2022/07/29T02:00:00Z				-												-					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				-			1		` '		_					-					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				-	` '		1		` '							-		< 10		-	(A)
2022/07/29T05:00:00Z				_	` '		_		` '				· /			-	` ′				
2022/07/29T06:00:00Z 7,8 ± 4,2 (A) 6,8 ± 4,1 (A) 19 ± 5 (A) <9,0				-	` '			_	` '				` '			-	` '				
2022/07/29T07:00:00Z 13 ± 5 (A) 7,8 ± 4,2 (A) 28 ± 6 (A) <9,0 - (A) <0.002/07/29T08:00:00Z 17 ± 5 (A) 14 ± 5 (A) 39 ± 7 (A) <9,0 - (A) <0.002/07/29T09:00:00Z 5,7 ± 4,1 (A) 9,7 ± 4,3 (A) 18 ± 5 (A) <9,0 - (A) <0.002/07/29T10:00:00Z <4,0 - (A) <6,0 - (A) <6,0 - (A) <6,0 - (A) <9,0 - (A) <0.002/07/29T11:00:00Z <4,0 - (A) <6,0 - (A) <6,0 - (A) <9,0 - (A) <0.002/07/29T11:00:00Z <4,0 - (A) <6,0 - (A) <6,0 - (A) <9,0 - (A) <0.002/07/29T11:00:00Z <4,0 - (A) <0.002/07/29T11:00:00Z <0.002/07/29T11:00/07/29T11:00/07/29T11:00/07/29		,	+	4.2	` '		+	4.1								-					
2022/07/29T08:00:00Z 17 ± 5 (A) 14 ± 5 (A) 39 ± 7 (A) <9,0 - (A) 2022/07/29T09:00:00Z 5,7 ± 4,1 (A) 9,7 ± 4,3 (A) 18 ± 5 (A) <9,0 - (A) 2022/07/29T10:00:00Z <4,0 - (A) <6,0 - (A) 6,8 ± 4,1 (A) <9,0 - (A) 2022/07/29T11:00:00Z <4,0 - (A) <6,0 - (A) <6,0 - (A) <6,0 - (A) <9,0 - (A) 2022/07/29T12:00:00Z <4,0 - (A) <6,0 - (A) <6,0 - (A) <9,0 - (A) 2022/07/29T13:00:00Z <4,0 - (A) 8,5 ± 4,2 (A) 12 ± 4 (A) <9,0 - (A) 2022/07/29T14:00:00Z <4,0 - (A) 7,2 ± 4,1 (A) 9,8 ± 4,3 (A) <9,0 - (A) 2022/07/29T15:00:00Z <4,0 - (A) <6,0 - (A) 8,4 ± 4,2 (A) <9,0 - (A) 2022/07/29T16:00:00Z <4,0 - (A) <6,0 - (A) 8,4 ± 4,2 (A) <9,0 - (A) 2022/07/29T16:00:00Z <4,0 - (A) <6,0 - (A) 7,8 ± 4,2 (A) <9,0 - (A) 2022/07/29T17:00:00Z <4,0 - (A) <6,0 - (A) 6,6 ± 4,1 (A) <9,0 - (A) 2022/07/29T18:00:00Z <4,0 - (A) <6,0 - (A) 6,6 ± 4,1 (A) <9,0 - (A) 2022/07/29T18:00:00Z <4,0 - (A) 7,5 ± 4,2 (A) 9,9 ± 4,3 (A) <9,0 - (A)		- '	1													-		< 10		-	(A)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			1		` '				` '							_	` '				
2022/07/29T10:00:00Z < 4,0											_		` '			_					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		•	_	, -			_				_		(/			_					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				_				-			_					-	` '	10	±	9	(A)
2022/07/29T13:00:00Z < 4,0				_				_	` /				` /	· ·		_					
2022/07/29T14:00:00Z < 4,0							+				+										
2022/07/29T15:00:00Z < 4,0													` '								
2022/07/29T16:00:00Z < 4,0 - (A) < 6,0 - (A) 7,8 ± 4,2 (A) < 9,0 - (A) 2022/07/29T17:00:00Z < 4,0 - (A) < 6,0 - (A) 6,6 ± 4,1 (A) < 9,0 - (A) 2022/07/29T18:00:00Z < 4,0 - (A) 7,5 ± 4,2 (A) 9,9 ± 4,3 (A) < 9,0 - (A) 2022/07/29T18:00:00Z < 4,0 - (A) 7,5 ± 4,2 (A) 9,9 ± 4,3 (A) < 9,0 - (A)							-	-, 1										13	±	9	(A)
2022/07/29T17:00:00Z < 4,0 - (A) < 6,0 - (A) 6,6 ± 4,1 (A) < 9,0 - (A) 2022/07/29T18:00:00Z < 4,0 - (A) 7,5 ± 4,2 (A) 9,9 ± 4,3 (A) < 9,0 - (A)								_													
2022/07/29T18:00:00Z < 4.0 - (A) 7.5 + 4.2 (A) 9.9 + 4.3 (A) < 9.0 - (A)																					
2022/07/29110.00.002 $< 4,0$ $= (A)$ $= (A)$ $= 1,3$ $= 1,4$							_	12	-												
2022/07/29T19:00:00Z < 4,0 - (A) 11 ± 4 (A) 13 ± 5 (A) < 9,0 - (A) 12 ± 9																		12	±	9	(A)
2022/07/29T19.00:00Z < 4,0 - (A) 17 ± 5 (A) 19 ± 5 (A) < 9,0 - (A) 2022/07/29T20:00:00Z < 4,0 - (A) 17 ± 5 (A) 19 ± 5 (A) < 9,0 - (A)									` /								` ′	1			
2022/07/29120.00:00Z < 4,0 - (A) 17 ± 5 (A) 19 ± 5 (A) < 9,0 - (A) 2022/07/29121:00:00Z < 4,0 - (A) 20 ± 5 (A) 22 ± 5 (A) < 9,0 - (A)					` '														1		1
			<u> </u>		` '				` /				` '								
			1	-											 			13	±	9	(A)
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2022/07/30T00:00:00Z < 4,0			_															- 10	1		(A)

PAC acreditação



Data	NO ± In	ıc. E	Expan	dida	NO ₂ ± Ir	nc.	Expar	ndida	NOx ± I	nc.	Expar	ndida	SO ₂ ± Ir	nc. E	Expar	ndida			Inc.	
		μg/	m³			μg/	m³			μg/	m³			μg/ı	m³		ŀ	ug/n	1 ³	
2022/07/30T02:00:00Z	< 4,0		-	(A)	15	±	5	(A)	19	±	5	(A)	< 9,0		-	(A)				
2022/07/30T03:00:00Z	< 4,0		-	(A)	14	±	5	(A)	18	±	5	(A)	< 9,0		-	(A)				
2022/07/30T04:00:00Z	< 4,0		-	(A)	12	±	4	(A)	15	±	5	(A)	< 9,0		-	(A)				
2022/07/30T05:00:00Z	< 4,0		-	(A)	13	±	5	(A)	18	±	5	(A)	< 9,0		-	(A)				
2022/07/30T06:00:00Z	< 4,0		-	(A)	12	±	4	(A)	17	±	5	(A)	< 9,0		-	(A)	13	±	9	(A)
2022/07/30T07:00:00Z	8,2	±	4,2	(A)	11	±	4	(A)	24	±	5	(A)	< 9,0		-	(A)	13	*	9	(//)
2022/07/30T08:00:00Z	8,8	±	4,2	(A)	17	±	5	(A)	30	±	6	(A)	< 9,0		-	(A)				
2022/07/30T09:00:00Z	4,8	±	4,0	(A)	14	±	5	(A)	21	±	5	(A)	< 9,0		-	(A)				
2022/07/30T10:00:00Z	< 4,0		-	(A)	6,8	±	4,1	(A)	10	±	4	(A)	12	±	5	(A)	21	±	10	(A)
2022/07/30T11:00:00Z	< 4,0		-	(A)	7,4	±	4,2	(A)	11	±	4	(A)	9,5	±	5,0	(A)	21	*	10	(٨)
2022/07/30T12:00:00Z	< 4,0		-	(A)	7,8	±	4,2	(A)	11	±	4	(A)	< 9,0		-	(A)				
2022/07/30T13:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/07/30T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	18	١.	10	(A)
2022/07/30T15:00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	< 6,0		-	(A)	< 9,0		-	(A)	10	±	10	(A)
2022/07/30T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/07/30T17:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/07/30T18:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	19	١.	10	(4)
2022/07/30T19:00:00Z	< 4,0		-	(A)	7,0	±	4,1	(A)	8,5	±	4,2	(A)	< 9,0		-	(A)	19	±	10	(A)
2022/07/30T20:00:00Z	< 4,0		-	(A)	21	±	5	(A)	23	±	5	(A)	< 9,0		-	(A)				
2022/07/30T21:00:00Z	< 4,0		-	(A)	17	±	5	(A)	19	±	5	(A)	< 9,0		-	(A)				
2022/07/30T22:00:00Z	< 4,0		-	(A)	18	±	5	(A)	20	±	5	(A)	< 9,0		-	(A)	00		40	(4)
2022/07/30T23:00:00Z	< 4,0		-	(A)	16	±	5	(A)	18	±	5	(A)	< 9,0		-	(A)	23	±	10	(A)
2022/07/31T00:00:00Z	< 4,0		-	(A)	14	±	5	(A)	16	±	5	(A)	< 9,0		-	(A)				
2022/07/31T01:00:00Z	< 4,0		-	(A)	16	±	5	(A)	18	±	5	(A)	< 9,0		-	(A)				
2022/07/31T02:00:00Z	< 4,0		-	(A)	14	±	5	(A)	17	±	5	(A)	< 9,0		-	(A)	12	١.	٥	(4)
2022/07/31T03:00:00Z	< 4,0		-	(A)	14	±	5	(A)	16	±	5	(A)	< 9,0		-	(A)	12	±	9	(A)
2022/07/31T04:00:00Z	< 4,0		-	(A)	16	±	5	(A)	19	±	5	(A)	< 9,0		-	(A)				
2022/07/31T05:00:00Z	< 4,0		-	(A)	11	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)				
2022/07/31T06:00:00Z	< 4,0		-	(A)	11	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)	04	١.	40	(4)
2022/07/31T07:00:00Z	< 4,0		-	(A)	11	±	4	(A)	16	±	5	(A)	< 9,0		-	(A)	21	±	10	(A)
2022/07/31T08:00:00Z	6,0	±	4,1	(A)	16	±	5	(A)	25	±	5	(A)	< 9,0		-	(A)				
2022/07/31T09:00:00Z	< 4,0		-	(A)	12	±	4	(A)	18	±	5	(A)	< 9,0		-	(A)				
2022/07/31T10:00:00Z	< 4,0		-	(A)	8,3	±	4,2	(A)	12	±	4	(A)	< 9,0		-	(A)	20	١.	40	(4)
2022/07/31T11:00:00Z	< 4,0		-	(A)	7,1	±	4,1	(A)	9,8	±	4,3	(A)	< 9,0		-	(A)	29	±	10	(A)
2022/07/31T12:00:00Z	< 4,0		-	(A)	6,5	±		(A)	8,8	±	4,2	(A)	< 9,0		-	(A)				
2022/07/31T13:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,1	±	4,1	(A)	< 9,0		-	(A)				
2022/07/31T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	20	١.	40	(4)
2022/07/31T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	20	±	10	(A)
2022/07/31T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/07/31T17:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/07/31T18:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	20	1.	10	(4)
2022/07/31T19:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	20	±	10	(A)
2022/07/31T20:00:00Z	< 4,0		-	(A)	15	±	5	(A)	16	±	5	(A)	< 9,0		-	(A)				
2022/07/31T21:00:00Z	< 4,0		-	(A)	17	±	5	(A)	19	±	5	(A)	< 9,0		-	(A)				
2022/07/31T22:00:00Z	< 4,0		-	(A)	16	±	5	(A)	18	±	5	(A)	< 9,0		-	(A)	24	1.	10	(^\
2022/07/31T23:00:00Z	< 4,0		-	(A)	14	±	5	(A)	16	±	5	(A)	< 9,0		-	(A)	21	±	10	(A)
2022/08/01T00:00:00Z	< 4,0		-	(A)	12	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)				

A – Valor Horário Acreditado

EQUP - Valor Horário Inválido devido a problema operacional no equipamento.

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")





Tabela 6 – Resultados médios diários referentes às medições realizadas no ponto de medição P1 – 2ª Campanha

Período de Integração	24H			24H		24	ŀΗ		24H		24H	
Data	NO ± Inc. E	хр.	NO2 ±	Inc.	Ехр.	NOx ± I	nc. E	хр.	SO2 ± Inc. Ex	φ.	PM10 ± Inc	с. Ехр.
Data	μg/m³		μ	g/m³	3	μg/	m³		μg/m³		μg/m ²	3
23/07/2022	EQUP	-	EQUP		-	EQUP		-	< 9,0	-	16	± 9
24/07/2022	EQUP	-	EQUP		-	EQUP		-	< 9,0	-	< 10	-
25/07/2022	EQUP	-	EQUP		-	EQUP		-	< 9,0	-	< 10	-
26/07/2022	EQUP	-	EQUP		-	EQUP		-	< 9,0	-	12	± 9
27/07/2022	EQUP	-	EQUP		-	EQUP		-	< 9,0	-	12	± 9
28/07/2022	< 4,0	-	10	±	4	14	±	4	< 9,0	-	< 10	-
29/07/2022	< 4,0	-	9,1	±	4,1	14	±	4	< 9,0	-	< 10	-
30/07/2022	< 4,0	•	11	±	4	14	±	4	< 9,0	-	17	± 9
31/07/2022	< 4,0	-	9,7	±	4,1	12	±	4	< 9,0	-	20	± 9

EQUP - Valor Horário Inválido devido a problema operacional no equipamento.

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 7 – Condições de temperatura e humidade relativa no interior do abrigo onde foram realizados os ensaios de medição – 2ª campanha

Indicador estatístico	Humidade Relativa (%) [*]	Temperatura (°C) [*]
Média	48	21
Máximo Horário	70	23
Mínimo Horário	28	19

^{[*] –} Ensaio fora do âmbito da acreditação da Sondarlab, Lda.

P1 - 3ª CAMPANHA (31/08 A 11/09/2022)

Tabela 8 – Resultados horários referentes às medições realizadas no ponto de medição P1 – 3ª Campanha

																Р	M10	ጋ± Ir	ic.
Data	NO ± In	ic. E	Expan	dida	$NO_2 \pm Ir$	nc.	Expar	dida	NOx ± Ir	nc.	Expar	ndida	$SO_2 \pm Inc.$	Exp	andida	E	хра	andic	da
		μg/	m³			μg/	m³			μg/	m³		μg	/m³			μο	J/m³	
2022/08/31T01:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,3	±	4,1	(A)	< 9,0	-	(A)				
2022/08/31T02:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	-	(A)	<		_	(A)
2022/08/31T03:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	-	(A)	10			(71)
2022/08/31T04:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,2	±	4,1	(A)	< 9,0	-	(A)				
2022/08/31T05:00:00Z	< 4,0		-	(A)	7,2	±	4,1	(A)	8,3	±	4,2	(A)	< 9,0		(A)				
2022/08/31T06:00:00Z	6,1	±	4,1	(A)	9,6	±	4,3	(A)	19	±	5	(A)	< 9,0	-	(A)	<			(A)
2022/08/31T07:00:00Z	8,4	±	4,2	(A)	10	±	4	(A)	23	±	5	(A)	< 9,0	-	(A)	10			(٨)
2022/08/31T08:00:00Z	25	±	5	(A)	19	±	5	(A)	58	±	9	(A)	< 9,0		(A)				
2022/08/31T09:00:00Z	6,9	±	4,1	(A)	20	±	5	(A)	31	±	6	(A)	< 9,0	-	(A)				
2022/08/31T10:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		(A)	21	±	10	(A)
2022/08/31T11:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		(A)		-	10	(/1)
2022/08/31T12:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	-	(A)				





Data	NO ± In	c. E	Expan	dida	NO ₂ ± Ir	nc.	Expar	ndida	NOx ± Ir	nc.	Expar	ndida	SO ₂ ± Inc.	Ex	фa	andida			0± Ir andi	
		μg/	m³			μg/	m³			μg/ı	m³		μg	/m ²	3			μς	g/m³	
2022/08/31T13:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,0	±	4,1	(A)	< 9,0		-	(A)				
2022/08/31T14:00:00Z	< 4,0		-	(A)	8,4	±	4,2	(A)	9,9	±	4,3	(A)	< 9,0		-	(A)	27	±	10	(A)
2022/08/31T15:00:00Z	< 4,0		-	(A)	6,5	±	4,1	(A)	7,6	±	4,2	(A)	< 9,0		-	(A)	21	<u> </u>	10	(//)
2022/08/31T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/08/31T17:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,7	±	4,1	(A)	< 9,0		-	(A)				
2022/08/31T18:00:00Z	< 4,0		-	(A)	7,0	±	4,1	(A)	7,8	±	4,2	(A)	< 9,0		-	(A)	23	±	10	(A)
2022/08/31T19:00:00Z	< 4,0		-	(A)	12	±	4	(A)	13	±	4	(A)	< 9,0		-	(A)	23	T	10	(//)
2022/08/31T20:00:00Z	< 4,0		ı	(A)	12	±	4	(A)	13	±	5	(A)	< 9,0		-	(A)				
2022/08/31T21:00:00Z	< 4,0		•	(A)	15	±	5	(A)	16	±	5	(A)	< 9,0		-	(A)				
2022/08/31T22:00:00Z	< 4,0			(A)	14	±	5	(A)	15	±	5	(A)	< 9,0		-	(A)	14	١.	10	(4)
2022/08/31T23:00:00Z	< 4,0		-	(A)	15	±	5	(A)	15	±	5	(A)	< 9,0		-	(A)	14	±	10	(A)
2022/09/01T00:00:00Z	< 4,0		-	(A)	12	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)				
2022/09/01T01:00:00Z	< 4,0		-	(A)	12	±	4	(A)	13	±	4	(A)	< 9,0		-	(A)				
2022/09/01T02:00:00Z	< 4,0		-	(A)	7,3	±	4,2	(A)	8,1	±	4,2	(A)	< 9,0		-	(A)	<			(4)
2022/09/01T03:00:00Z	< 4.0		-	(A)	< 6.0		-	(A)	7,3	±	4,2	(A)	< 9.0		-	(A)	10		-	(A)
2022/09/01T04:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,3	±	4,1	(A)	< 9,0		-	(A)				
2022/09/01T05:00:00Z	< 4,0		-	(A)	6,2	±	4,1	(A)	8,0	±	4,2	(A)	< 9.0		_	(A)				
2022/09/01T06:00:00Z	< 4,0		-	(A)	9,9	±	4,3	(A)	14	±	5	(A)	< 9,0		_	(A)	<			
2022/09/01T07:00:00Z	6,3	±	4,1	(A)	12	±	4	(A)	22	±	5	(A)	< 9,0	Ħ	_	(A)	10		-	(A)
2022/09/01T08:00:00Z	20	±	5	(A)	18	±	5	(A)	48	±	8	(A)	< 9,0		_	(A)				
2022/09/01T09:00:00Z	7,5	±	4,2	(A)	20	±	5	(A)	31	±	6	(A)	< 9,0		_	(A)				
2022/09/01T10:00:00Z	< 4.0	-	-,2	(A)	11	±	4	(A)	15	±	5	(A)	< 9,0		_	(A)				
2022/09/01T11:00:00Z	< 4,0		_	(A)	9,8	±	4,3	(A)	13	±	5	(A)	< 9,0	Ħ	_	(A)	20	±	10	(A)
2022/09/01T12:00:00Z	< 4,0		_	(A)	6,9	±	4,1	(A)	8,3	±	4,2	(A)	< 9,0	H	-	(A)				
2022/09/01T12:00:00Z	< 4,0		_	(A)	< 6,0	Ξ.	-	(A)	6,5	±	4,1	(A)	< 9,0		_	(A)				
2022/09/01T14:00:00Z	< 4,0		_	(A)	< 6,0		-	(A)	< 6.0	I	-	(A)	< 9,0		_	(A)				
2022/09/01T14:00:00Z	< 4,0		_	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9.0		-	(A)	16	±	10	(A)
2022/09/01T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0			(A)	< 9,0	H	-	(A)				
				(A)	< 6,0			` '			-	(A)		H	-	. ,				
2022/09/01T17:00:00Z	< 4,0		-	` '			-	(A)	< 6,0		-	` '	< 9,0		-	(A)				
2022/09/01T18:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	13	±	9	(A)
2022/09/01T19:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	H	-	(A)				
2022/09/01T20:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	H	-	(A)				
2022/09/01T21:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	H	-	(A)				
2022/09/01T22:00:00Z	< 4,0		-	(A)	8,4	±	4,2	(A)	9,3	±	4,3	(A)	< 9,0	H	-	(A)	10		-	(A)
2022/09/01T23:00:00Z	< 4,0		-	(A)	9,4	±		(A)	11	±	4	(A)	< 9,0	H	-	(A)	10			
2022/09/02T00:00:00Z	< 4,0		-	(A)	6,8	±	4,1	(A)	7,4	±	4,2	(A)	< 9,0	H	-	(A)				
2022/09/02T01:00:00Z	< 4,0		-	(A)	7,3	±	4,2	(A)	7,9	±	4,2	(A)	< 9,0	\vdash	-	(A)				
2022/09/02T02:00:00Z	< 4,0		-	(A)	6,7	±	4,1	(A)	7,3	±	4,2	(A)	< 9,0	H	-	(A)	<		-	(A)
2022/09/02T03:00:00Z	< 4,0		-	(A)	7,3	±	4,1	(A)	8,5	±	4,2	(A)	< 9,0		-	(A)	10			, ,
2022/09/02T04:00:00Z	< 4,0		-	(A)	7,9	±	4,2	(A)	8,5	±	4,2	(A)	< 9,0	Ш	-	(A)				
2022/09/02T05:00:00Z	< 4,0		-	(A)	12	±	4	(A)	14	±	5	(A)	< 9,0	Ш	-	(A)				
2022/09/02T06:00:00Z	< 4,0		-	(A)	12	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)	<		_	(A)
2022/09/02T07:00:00Z	< 4,0		-	(A)	13	±	5	(A)	17	±	5	(A)	< 9,0		-	(A)	10			(, ,)
2022/09/02T08:00:00Z	< 4,0		-	(A)	19	±	5	(A)	25	±	5	(A)	< 9,0	Ш	-	(A)				
2022/09/02T09:00:00Z	< 4,0		-	(A)	11	±	4	(A)	13	±	4	(A)	< 9,0	Ш	-	(A)				
2022/09/02T10:00:00Z	< 4,0		-	(A)	9,5	±	4,3	(A)	12	±	4	(A)	< 9,0	Ш	-	(A)	11	±	9	(A)
2022/09/02T11:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,8	±	4,1	(A)	< 9,0		-	(A)	' '	Ė		(' ')
2022/09/02T12:00:00Z	< 4,0		1	(A)	6,0	±	4,1	(A)	7,4	±	4,2	(A)	< 9,0		-	(A)				
2022/09/02T13:00:00Z	< 4,0		-	(A)	10	±	4	(A)	13	±	4	(A)	< 9,0	Ш	-	(A)				
2022/09/02T14:00:00Z	< 4,0		-	(A)	7,2	±	4,1	(A)	8,6	±	4,2	(A)	< 9,0		-	(A)	19	±	10	(A)
2022/09/02T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				





Data	NO ± In	c. E	xpan	dida	NO ₂ ± Ir	nc.	Expar	ıdida	NOx ± Ir	nc.	Expar	ndida	SO ₂ ± Inc.	Ex	pan	ndida			0± Ir andio	
		μg/ı	m³			μg/	m³			μg/ı	m³		μg	/m ³				μς	J/m³	
2022/09/02T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/09/02T17:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/09/02T18:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,8	±	4,1	(A)	< 9,0		-	(A)	15	±	10	(A)
2022/09/02T19:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	13	-	10	(//)
2022/09/02T20:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,0	±	4,1	(A)	< 9,0		-	(A)				
2022/09/02T21:00:00Z	< 4,0		-	(A)	14	±	5	(A)	15	±	5	(A)	< 9,0		-	(A)				
2022/09/02T22:00:00Z	< 4,0		-	(A)	13	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)	<		_	(A)
2022/09/02T23:00:00Z	< 4,0		-	(A)	11	±	4	(A)	11	±	4	(A)	< 9,0		-	(A)	10		_	(~)
2022/09/03T00:00:00Z	< 4,0		-	(A)	9,4	±	4,3	(A)	10	±	4	(A)	< 9,0		-	(A)				
2022/09/03T01:00:00Z	< 4,0		-	(A)	8,2	±	4,2	(A)	8,7	±	4,2	(A)	< 9,0		-	(A)				
2022/09/03T02:00:00Z	< 4,0		-	(A)	8,9	±	4,2	(A)	9,8	±	4,3	(A)	< 9,0		-	(A)	<		_	(A)
2022/09/03T03:00:00Z	< 4,0		•	(A)	6,1	±	4,1	(A)	6,7	±	4,1	(A)	< 9,0		-	(A)	10		•	(A)
2022/09/03T04:00:00Z	< 4,0		-	(A)	7,7	±	4,2	(A)	8,3	±	4,2	(A)	< 9,0		-	(A)				
2022/09/03T05:00:00Z	< 4,0		ı	(A)	< 6,0		•	(A)	< 6,0		•	(A)	< 9,0		-	(A)				
2022/09/03T06:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	11		0	(4)
2022/09/03T07:00:00Z	< 4,0		-	(A)	7,1	±	4,1	(A)	8,2	±	4,2	(A)	< 9,0		-	(A)	11	±	9	(A)
2022/09/03T08:00:00Z	< 4,0			(A)	9,5	±	4,3	(A)	13	±	5	(A)	< 9,0		-	(A)				
2022/09/03T09:00:00Z	< 4,0			(A)	< 6,0		-	(A)	6,8	±	4,1	(A)	< 9,0		-	(A)				
2022/09/03T10:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	00		40	(4)
2022/09/03T11:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6.0		-	(A)	< 9,0		-	(A)	26	±	10	(A)
2022/09/03T12:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6.0		-	(A)	< 9,0		-	(A)				
2022/09/03T13:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/09/03T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				(4)
2022/09/03T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	21	±	10	(A)
2022/09/03T16:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/09/03T17:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6.0		-	(A)	< 9,0		-	(A)				
2022/09/03T18:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9.0		-	(A)				(4)
2022/09/03T19:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	20	±	10	(A)
2022/09/03T20:00:00Z	< 4,0		-	(A)	11	±	4	(A)	12	±	4	(A)	< 9,0		-	(A)				
2022/09/03T21:00:00Z	< 4,0		-	(A)	13	±	5	(A)	14	±	5	(A)	< 9,0		-	(A)				
2022/09/03T22:00:00Z	< 4,0		-	(A)	10	±	4	(A)	11	±	4	(A)	< 9,0		-	(A)	<			(4)
2022/09/03T23:00:00Z	< 4,0		-	(A)	9,6	±	4,3	(A)	10	±	4	(A)	< 9,0		-	(A)	10		-	(A)
2022/09/04T00:00:00Z	< 4,0		-	(A)	9,7	±	4,3	(A)	11	±	4	(A)	< 9,0		-	(A)				
2022/09/04T01:00:00Z	< 4,0		-	(A)	11	±	4	(A)	12	±	4	(A)	< 9,0		-	(A)				
2022/09/04T02:00:00Z	< 4,0		-	(A)	10	±	4	(A)	11	±	4	(A)	< 9,0		-	(A)	<			
2022/09/04T03:00:00Z	< 4,0		-	(A)	9,6	±	4,3	(A)	10	±	4	(A)	< 9,0		-	(A)	10		-	(A)
2022/09/04T04:00:00Z	< 4,0		-	(A)	8,2	±	4,2	(A)	9,1	±	4,3	(A)	< 9,0		-	(A)				
2022/09/04T05:00:00Z	< 4,0		-	(A)	6,1	±		(A)	6,9	±	4,1	(A)	< 9,0		-	(A)				
2022/09/04T06:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	6,0	±	4,1	(A)	< 9,0		-	(A)	<			
2022/09/04T07:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	Ħ	-	(A)	10		-	(A)
2022/09/04T08:00:00Z	< 4,0		-	(A)	7,7	±		(A)	10	±	4	(A)	< 9,0	Ħ	-	(A)				
2022/09/04T09:00:00Z	< 4,0		-	(A)	< 6,0	Ē		(A)	< 6,0	_	-	(A)	< 9,0	H	_	(A)				
2022/09/04T10:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		_	(A)	< 9,0	H	_	(A)				
2022/09/04T11:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	\dag	-	(A)	19	±	10	(A)
2022/09/04T12:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	H	_	(A)				
2022/09/04T13:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	H	_	(A)				
2022/09/04T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		_	(A)	< 9,0	H	_	(A)				
2022/09/04T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	\forall	_	(A)	21	±	10	(A)
2022/09/04T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	H	_	(A)				
2022/09/04T17:00:00Z	< 4,0		-	(A)	< 6,0			(A)	< 6,0		-	(A)	< 9,0	H	_	(A)				<u> </u>
2022/09/04T17:00:00Z	< 4,0		-	(A)	< 6,0		<u> </u>	(A)				(A)	< 9,0	H	+	(A)	15	±	10	(A)
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2022/09/06T19:00:00Z < 4,0 - (A) 7,0 ± 4,1 (A) 7,8 ± 4,2 (A) < 9,0 - (A) 2022/09/06T20:00:00Z < 4,0 - (A) 8,1 ± 4,2 (A) 9,0 ± 4,3 (A) < 9,0 - (A) (A)	Data	NO ± In			dida				ıdida	NOx ± Ir			ndida				andida		хра	0± Ir	
2022/09/06/12/10/00/02			µg/ı	n³			μg/ı	m³			μg/ı	m³			/m ³	3			μς	g/m³	
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2022/09/05T030:0002				-			±	4			±	5	` '	,		-	` '	-			
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2022/99/65T07:00:000Z < 4,0	2022/09/05T06:00:00Z	< 4,0		-	(A)	9,1	±	4,3	(A)		±		(A)	< 9,0		-	(A)	15	+	10	(A)
2022/09/05T10:00:002 < 4,0	2022/09/05T07:00:00Z	< 4,0		-	(A)	16	±		(A)	21	±	5	(A)	< 9,0	Ш	-	(A)	`	_		(, ,)
2022/09/05T11:00:00Z	2022/09/05T08:00:00Z	< 4,0		-	(A)	8,6	±	4,2	(A)	12	±	4	(A)	< 9,0	Ш	-	(A)				
2022/09/05T11:00:002	2022/09/05T09:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,4	±	4,2	(A)	< 9,0		-	(A)				
2022/09/05T11:00:000Z	2022/09/05T10:00:00Z	< 4,0		-	(A)	6,6	±	4,1	(A)	9,2	±	4,3	(A)	< 9,0		-	(A)			_	
2022/09/05T13:00:00Z	2022/09/05T11:00:00Z	< 4,0		-	(A)	7,4	±	4,2	(A)	10	±	4	(A)	< 9,0		-	(A)				
2022/09/05T14:00:00Z	2022/09/05T12:00:00Z	< 4,0		-	(A)	6,7	±	4,1	(A)	8,7	±	4,2	(A)	< 9,0		-	(A)				
2022/09/05T15:00:00Z	2022/09/05T13:00:00Z	< 4,0		-	(A)	7,1	±	4,1	(A)	10	±	4	(A)	< 9,0		-	(A)				
2022/09/05T16:00:00Z	2022/09/05T14:00:00Z	< 4,0		-	(A)	6,1	±	4,1	(A)	8,6	±	4,2	(A)	< 9,0			(A)				
2022/09/05T17:00:00Z	2022/09/05T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)			-	
2022/09/05T18:00:00Z	2022/09/05T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,8	±	4,1	(A)	< 9,0		-	(A)				
2022/09/05T18:00:00Z	2022/09/05T17:00:00Z	< 4,0		-	(A)	12	±	4	(A)	16	±	5	(A)	< 9,0		-	(A)				
2022/09/05T19:00:00Z	2022/09/05T18:00:00Z	< 4,0		-	(A)	7,2	±	4,1		9,3	±	4,3	(A)	< 9,0		-	(A)	40			(4)
2022/09/05T22:00:00Z	2022/09/05T19:00:00Z	< 4,0		-	(A)	6,6	±	4,1		8,1	±	4,2		< 9,0		-	(A)	10	±	9	(A)
2022/09/05T21:00:00Z	2022/09/05T20:00:00Z	< 4,0		-	(A)	7,7	±	4,2		9,7	±	4,3		< 9,0		-	(A)				
2022/09/06T03:00:00Z	2022/09/05T21:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,0	±	4,1	(A)	< 9,0		-	(A)				
2022/09/06T03:00:00Z				-	(A)			-		< 6.0			(A)	< 9,0		-	` '	<			(4)
2022/09/06T03:00:00Z	2022/09/05T23:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	10		-	(A)
2022/09/06T01:00:00Z				-	(A)			-				-	` '			-					
2022/09/06T02:00:00Z		•		_	(A)			-	` '			-	` '			-	` '				
2022/09/06T03:00:00Z	2022/09/06T02:00:00Z			-				-				-				-		<			(4)
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2022/09/06T19:00:00Z < 4,0 - (A) 7,0 ± 4,1 (A) 7,8 ± 4,2 (A) < 9,0 - (A) 15 ± 10 (A) 2022/09/06T20:00:00Z < 4,0 - (A) 8,1 ± 4,2 (A) 9,0 ± 4,3 (A) < 9,0 - (A)							_	-, 1							H	_		1			
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Data	NO ± In	c. E	Expan	dida	NO ₂ ± Ir	nc.	Expar	ndida	NOx ± Ir	nc.	Expar	ndida	SO ₂ ± Inc.	Ex	фа	andida			0± Ir andio	
		μg/i	m³			μg/	m³			μg/	m³		μg	/m ³	3			μο	J/m³	
2022/09/06T22:00:00Z	< 4,0		-	(A)	17	±	5	(A)	18	±	5	(A)	< 9,0		-	(A)				
2022/09/06T23:00:00Z	< 4,0		-	(A)	14	±	5	(A)	17	±	5	(A)	< 9,0		-	(A)	1 0			
2022/09/07T00:00:00Z	< 4,0		-	(A)	14	±	5	(A)	16	±	5	(A)	< 9,0		-	(A)	10			
2022/09/07T01:00:00Z	< 4,0		-	(A)	9,6	±	4,3	(A)	11	±	4	(A)	< 9,0		-	(A)				
2022/09/07T02:00:00Z	< 4,0		-	(A)	7,9	±	4,2	(A)	8,7	±	4,2	(A)	< 9,0		-	(A)	<			(4)
2022/09/07T03:00:00Z	< 4,0		-	(A)	7,1	±	4,1	(A)	8,6	±	4,2	(A)	< 9,0		-	(A)	10		-	(A)
2022/09/07T04:00:00Z	< 4,0		-	(A)	9,2	±	4,3	(A)	10	±	4	(A)	< 9,0		-	(A)				
2022/09/07T05:00:00Z	< 4,0		-	(A)	11	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)				
2022/09/07T06:00:00Z	< 4,0		-	(A)	13	±	5	(A)	18	±	5	(A)	< 9,0		-	(A)	<			(4)
2022/09/07T07:00:00Z	14	±	5	(A)	17	±	5	(A)	38	±	7	(A)	< 9,0		-	(A)	10		-	(A)
2022/09/07T08:00:00Z	16	±	5	(A)	23	±	5	(A)	47	±	8	(A)	< 9,0		-	(A)				
2022/09/07T09:00:00Z	< 4.0		-	(A)	12	±	4	(A)	17	±	5	(A)	< 9,0		-	(A)				
2022/09/07T10:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	١			(.)
2022/09/07T11:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,2	±	4,1	(A)	< 9,0		-	(A)	15	±	10	(A)
2022/09/07T12:00:00Z	< 4,0		-	(A)	7,7	±	4,2	(A)	9,8	±	4,3	(A)	< 9,0		_	(A)				
2022/09/07T13:00:00Z	< 4,0		_	(A)	< 6,0	_	-	(A)	7,5	±	4,2	(A)	< 9,0		_	(A)				
2022/09/07T14:00:00Z	< 4,0		_	(A)	< 6,0		_	(A)	< 6,0	Ē	-	(A)	< 9,0		_	(A)				
2022/09/07T15:00:00Z	< 4,0		_	(A)	< 6,0		_	(A)	6,4	±	4,1	(A)	< 9,0			(A)	10	±	9	(A)
2022/09/07T16:00:00Z	< 4,0		_	(A)	< 6.0		_	(A)	< 6,0	-	-, 1	(A)	< 9.0			(A)				
2022/09/07T17:00:00Z	< 4,0		_	(A)	9,5	±	4,3	(A)	13	±	4	(A)	< 9.0			(A)				
2022/09/07T17:00:00Z	< 4,0		_	(A)	8,1	±	4,3	(A)	9,9	±	4,3	(A)	< 9,0		-	(A)				
2022/09/07T19:00:00Z	< 4,0		_	(A)	13		4,2	(A)	15		5	(A)	< 9,0		-	(A)	10		-	(A)
			_	` '	10	±	4	` '	11	±	4	` '			-	` '				
2022/09/07T20:00:00Z 2022/09/07T21:00:00Z	< 4,0		-	(A)	11	±	4	(A)	12	±	4	(A)	< 9,0		-	(A)				-
	< 4,0		-	(A)	16	±	5	(A)	17	±		(A)	< 9,0	H	-	(A)				
2022/09/07T22:00:00Z	< 4,0		-	(A)		±		(A)		±	5	(A)	< 9,0	H	-	(A)	10		-	(A)
2022/09/07T23:00:00Z	< 4,0		-	(A)	14	±	5	(A)	15	±	5	(A)	< 9,0		-	(A)	10			
2022/09/08T00:00:00Z	< 4,0		-	(A)	14	±	5	(A)	15	±	5	(A)	< 9,0	H	-	(A)				-
2022/09/08T01:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	H	-	(A)				
2022/09/08T02:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	H	-	(A)	10		-	(A)
2022/09/08T03:00:00Z	< 4,0		-	(A)	6,1	±		(A)	6,6	±	4,1	(A)	< 9,0		-	(A)	10			
2022/09/08T04:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	H	-	(A)				
2022/09/08T05:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	H	-	(A)				
2022/09/08T06:00:00Z	< 4,0		-	(A)	7,4	±	4,2	(A)	9,1	±	4,3	(A)	< 9,0		-	(A)	<		-	(A)
2022/09/08T07:00:00Z	< 4,0		-	(A)	11	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)	10			
2022/09/08T08:00:00Z	< 4,0		-	(A)	15	±	5	(A)	19	±	5	(A)	< 9,0	H	-	(A)				
2022/09/08T09:00:00Z	< 4,0		-	(A)	10	±	4	(A)	13	±	5	(A)	< 9,0		-	(A)				
2022/09/08T10:00:00Z	< 4,0		-	(A)	8,6	±	4,2	(A)	12	±	4	(A)	< 9,0		-	(A)	<		-	(A)
2022/09/08T11:00:00Z	< 4,0		-	(A)	8,8	±	4,2	(A)	13	±	5	(A)	< 9,0		-	(A)	10			` '
2022/09/08T12:00:00Z	< 4,0		-	(A)	9,5	±	4,3	(A)	14	±	5	(A)	< 9,0		-	(A)				
2022/09/08T13:00:00Z	< 4,0		-	(A)	7,5	±	4,2	(A)	11	±	4	(A)	< 9,0		-	(A)				
2022/09/08T14:00:00Z	< 4,0		-	(A)	8,3	±	4,2	(A)	12	±	4	(A)	< 9,0		-	(A)	<		_	(A)
2022/09/08T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,5	±	4,2	(A)	< 9,0		-	(A)	10			(, ,)
2022/09/08T16:00:00Z	< 4,0		-	(A)	6,0	±	4,1	(A)	8,0	±	4,2	(A)	< 9,0		-	(A)				
2022/09/08T17:00:00Z	< 4,0		-	(A)	7,7	±	4,2	(A)	11	±	4	(A)	< 9,0	Ш	-	(A)				
2022/09/08T18:00:00Z	4,0	±	4,0	(A)	13	±	5	(A)	19	±	5	(A)	< 9,0	Ш	-	(A)	<		_	(A)
2022/09/08T19:00:00Z	< 4,0		-	(A)	13	±	5	(A)	18	±	5	(A)	< 9,0	Ц	-	(A)	10			(' ')
2022/09/08T20:00:00Z	< 4,0		-	(A)	6,5	±	4,1	(A)	8,0	±	4,2	(A)	< 9,0		-	(A)				
2022/09/08T21:00:00Z	< 4,0		1	(A)	7,7	±	4,2	(A)	9,5	±	4,3	(A)	< 9,0		-	(A)				
2022/09/08T22:00:00Z	< 4,0		-	(A)	9,0	±	4,3	(A)	13	±	4	(A)	< 9,0	Ш		(A)	<		_	(A)
2022/09/08T23:00:00Z	< 4,0		-	(A)	6,6	±	4,1	(A)	8,1	±	4,2	(A)	< 9,0	$ldsymbol{\mathbb{L}}$	-	(A)	10		-	(A)
2022/09/09T00:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,2	±	4,1	(A)	< 9,0	П	-	(A)				

Este Relatório só pode ser reproduzido na íntegra, exceto quando seja autorizado pela SondarLab, Lda. O conteúdo deste relatório é confidencial, devendo a SondarLab, Lda. respeitar esse direito. Relatório elaborado pela SondarLab em 2023/04/28 a pedido de MUNICÍPIO DE VALE DE CAMBRA ANEXO IV RM QUALAR 202304 MA PR.72.22 MUNICÍPIO VALE DE CAMBRA.VO





Data	NO ± In	c. E	Expan	dida	NO ₂ ± Ir	nc.	Expar	ıdida	NOx ± Ir	nc.	Expar	ndida	SO ₂ ± Inc.	Ex	pano	dida			0± Ir andio	
		μg/i	m³			μg/	m³			μg/	m³		μg	/m³	3			μο	J/m³	
2022/09/09T01:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0			(A)				
2022/09/09T02:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0			(A)	<			/A\
2022/09/09T03:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		- ((A)	10		-	(A)
2022/09/09T04:00:00Z	< 4,0		-	(A)	7,7	±	4,2	(A)	8,5	±	4,2	(A)	< 9,0			(A)				
2022/09/09T05:00:00Z	< 4,0		-	(A)	7,8	±	4,2	(A)	10	±	4	(A)	< 9,0			(A)				
2022/09/09T06:00:00Z	< 4.0		-	(A)	9,3	±	4,3	(A)	12	±	4	(A)	< 9.0			(A)	<			(4)
2022/09/09T07:00:00Z	< 4,0		-	(A)	13	±	4	(A)	17	±	5	(A)	< 9.0			(A)	10		-	(A)
2022/09/09T08:00:00Z	6,4	±	4,1	(A)	13	±	5	(A)	23	±	5	(A)	< 9,0	Ħ		(A)				
2022/09/09T09:00:00Z	4,4	±	4,0	(A)	11	±	4	(A)	18	±	5	(A)	< 9.0		- ((A)				
2022/09/09T10:00:00Z	< 4,0		-	(A)	7,6	±	4,2	(A)	11	±	4	(A)	< 9,0			(A)	<			(A)
2022/09/09T11:00:00Z	< 4,0		-	(A)	8,2	±	4,2	(A)	14	±	5	(A)	< 9,0			(A)	10		-	(A)
2022/09/09T12:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	9,4	±	4,3	(A)	< 9,0			(A)				
2022/09/09T13:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	7,7	±	4,2	(A)	< 9.0	Ħ		(A)				
2022/09/09T14:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	7,1	±	4,1	(A)	< 9,0	Ħ		(A)	<			(4)
2022/09/09T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,3	±	4,1	(A)	< 9,0	Ħ		(A)	10		-	(A)
2022/09/09T16:00:00Z	< 4,0		-	(A)	7,5	±	4,2	(A)	8,7	±	4,2	(A)	< 9,0	Ħ		(A)				
2022/09/09T17:00:00Z	< 4,0		-	(A)	10	±	4	(A)	12	±	4	(A)	< 9,0	Ħ		(A)				
2022/09/09T18:00:00Z	< 4,0		-	(A)	16	±	5	(A)	18	±	5	(A)	< 9,0	Ħ		(A)				
2022/09/09T19:00:00Z	< 4,0		-	(A)	23	±	5	(A)	25	±	5	(A)	< 9.0	Ħ		(A)	15	±	10	(A)
2022/09/09T20:00:00Z	< 4.0		_	(A)	28	±	6	(A)	29	±	6	(A)	< 9.0	Ħ	_	(A)				
2022/09/09T21:00:00Z	< 4,0		_	(A)	29	±	6	(A)	33	±	6	(A)	< 9.0	Ħ		(A)				
2022/09/09T22:00:00Z	< 4,0		_	(A)	25	±	5	(A)	30	±	6	(A)	< 9,0	Ħ		(A)	<			
2022/09/09T23:00:00Z	< 4,0		_	(A)	22	±	5	(A)	25	±	5	(A)	< 9,0	H		(A)	10		-	(A)
2022/09/10T00:00:00Z	< 4,0		_	(A)	21	±	5	(A)	26	±	6	(A)	< 9,0	Ħ		(A)				
2022/09/10T01:00:00Z	4,3	±	4,0	(A)	20	±	5	(A)	27	±	6	(A)	< 9,0	Ħ		(A)				
2022/09/10T02:00:00Z	< 4,0		-	(A)	15	±	5	(A)	21	±	5	(A)	< 9,0			(A)	<			
2022/09/10T03:00:00Z	< 4,0		_	(A)	13	±	4	(A)	18	±	5	(A)	< 9,0	H		(A)	10		-	(A)
2022/09/10T04:00:00Z	< 4.0		_	(A)	12	±	4	(A)	16	±	5	(A)	< 9,0	H		(A)				
2022/09/10T05:00:00Z	< 4,0		_	(A)	11	±	4	(A)	15	±	5	(A)	< 9,0			(A)				
2022/09/10T06:00:00Z	5,9	±	4,1	(A)	12	±	4	(A)	21	±	5	(A)	< 9,0	H		(A)	<			
2022/09/10T07:00:00Z	7,7	±	4,2	(A)	12	±	4	(A)	23	±	5	(A)	< 9,0			(A)	10		-	(A)
2022/09/10T08:00:00Z	21	±	5	(A)	16	±	5	(A)	49	±	8	(A)	< 9.0	H		(A)				
2022/09/10T09:00:00Z	11	±	4	(A)	22	±	5	(A)	39	±	7	(A)	< 9,0	H		(A)				
2022/09/10T10:00:00Z	< 4,0	Ē	-	(A)	11	±	4	(A)	17	±	5	(A)	< 9,0	H		(A)				
2022/09/10T11:00:00Z	< 4.0		_	(A)	11	±	4	(A)	16	±	5	(A)	< 9.0			(A)	10	±	9	(A)
2022/09/10T12:00:00Z	< 4,0		-	(A)	12	±	4	(A)	16	±	5	(A)	< 9,0			(A)				
2022/09/10T13:00:00Z	< 4,0		-	(A)	8,6	±	4,2	(A)	10	±	4	(A)	< 9,0			(A)				
2022/09/10T14:00:00Z	< 4,0		-	(A)	< 6,0	_	-	(A)	6,2	±	4,1	(A)	< 9,0	H		(A)				
2022/09/10T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0	Ē	-	(A)	< 9,0	H		(A)	12	±	9	(A)
2022/09/10T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,4	±	4,1	(A)	< 9,0			(A)				
2022/09/10T17:00:00Z	< 4,0		-	(A)	6,1	±	4,1	(A)	7,3	±	4,2	(A)	< 9,0			(A)				
2022/09/10T18:00:00Z	< 4,0		-	(A)	8,4	±	4,2	(A)	9,8	±	4,3	(A)	< 9,0	H		(A)	<			
2022/09/10T19:00:00Z	< 4,0		-	(A)	15	±	5	(A)	18	±	5	(A)	< 9,0	H		(A)	10		-	(A)
2022/09/10T20:00:00Z	< 4,0		-	(A)	17	±	5	(A)	19	±	5	(A)	< 9,0	H		(A)				
2022/09/10T21:00:00Z	< 4,0		-	(A)	21	±	5	(A)	23	±	5	(A)	< 9,0	H		(A)				
2022/09/10T22:00:00Z	< 4,0		-	(A)	20	±	5	(A)	24	±	5	(A)	< 9,0	Ħ	_	(A)	<			l
2022/09/10T23:00:00Z	4,0	±	4,0	(A)	17	±	5	(A)	23	±	5	(A)	< 9,0	H		(A)	10		-	(A)
2022/09/11T00:00:00Z	4,5	±	4,0	(A)	17	±	5	(A)	24	±	5	(A)	< 9,0	H		(A)				
2022/09/11T01:00:00Z	4,9	±		(A)	22	±	5	(A)	29	±	6	(A)	< 9,0	H		(A)				
2022/09/11T01:00:00Z	5,7	±	4,1	(A)	18	±	5	(A)	27	±	6	(A)	< 9,0	H		(A)	<		_	(A)
2022/09/11T02:00:00Z	8,6	±		(A)	15	±	5	(A)	28	±	6	(A)	< 9,0	H		(A)	10			(' ')



Data	NO ± In	^ E	Evnan	dido	NO . Ir	20	Evnor	dida	NOv . I	20	Evnor	dida	SO ₂ ± Inc.	_\	'n	andida			0± Ir andi	-
Data				ulua				lulua				lulua				ariulua				
		µg/ı				μg/				μg/			μg,	(11)	_	(4)		μυ	J/m³	
2022/09/11T04:00:00Z	8,1	±	4,2	(A)	14	±	5	(A)	26	±	6	(A)	< 9,0		-	(A)				
2022/09/11T05:00:00Z	10	±	4	(A)	13	±	4	(A)	29	±	6	(A)	< 9,0		-	(A)				
2022/09/11T06:00:00Z	8,4	±	4,2	(A)	12	±	4	(A)	25	±	5	(A)	< 9,0		-	(A)	<		_	(A)
2022/09/11T07:00:00Z	9,1	±	4,3	(A)	10	±	4	(A)	24	±	5	(A)	< 9,0		-	(A)	10		-	(٨)
2022/09/11T08:00:00Z	12	±	4	(A)	9,4	±	4,3	(A)	27	±	6	(A)	< 9,0		-	(A)				
2022/09/11T09:00:00Z	10	±	4	(A)	14	±	5	(A)	29	±	6	(A)	< 9,0		-	(A)				
2022/09/11T10:00:00Z	< 4,0		-	(A)	12	±	4	(A)	18	±	5	(A)	< 9,0		-	(A)	<		_	(A)
2022/09/11T11:00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	7,2	±	4,1	(A)	< 9,0		-	(A)	10		-	(A)
2022/09/11T12:00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	6,7	±	4,1	(A)	< 9,0		-	(A)				
2022/09/11T13:00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/09/11T14:00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	6,5	±	4,1	(A)	< 9,0		-	(A)	<		_	(A)
2022/09/11T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,9	±	4,1	(A)	< 9,0		-	(A)	10		-	(٨)
2022/09/11T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/09/11T17:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,1	±	4,1	(A)	< 9,0		-	(A)				
2022/09/11T18:00:00Z	< 4,0		-	(A)	8,3	±	4,2	(A)	9,9	±	4,3	(A)	< 9,0		-	(A)	10	١. ا	9	(4)
2022/09/11T19:00:00Z	< 4,0		-	(A)	13	±	5	(A)	17	±	5	(A)	< 9,0		-	(A)	10	±	Э	(A)
2022/09/11T20:00:00Z	< 4,0		-	(A)	18	±	5	(A)	21	±	5	(A)	< 9,0		-	(A)				
2022/09/11T21:00:00Z	< 4,0		-	(A)	14	±	5	(A)	16	±	5	(A)	< 9,0		-	(A)				
2022/09/11T22:00:00Z	< 4,0		-	(A)	13	±	4	(A)	15	±	5	(A)	< 9,0		-	(A)	<		_	(4)
2022/09/11T23:00:00Z	< 4,0		-	(A)	15	±	5	(A)	18	±	5	(A)	< 9,0		-	(A)	10		-	(A)
2022/09/12T00:00:00Z	< 4,0		-	(A)	17	±	5	(A)	20	±	5	(A)	< 9,0		-	(A)				

A - Valor Horário Acreditado

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 9 – Resultados médios diários referentes às medições realizadas no ponto de medição P1 – 3ª Campanha

Período de Integração	24	ŀН		24	Н			24H	I	24H		24H		
Data	NO ± Ir	nc.	Ехр.	NO2 ± Ir	nc.	Ехр.	NOx ±	· Inc	c. Exp.	SO2 ± Inc. Ex	φ.	PM10 ± Inc	. E	хр.
Data	μg/	m³		μg/	m³		μ	g/m) ³	μg/m³		μg/m	3	
31/08/2022	< 4,0		-	8,9	±	4,1	13	±	4	< 9,0	-	14	±	9
01/09/2022	< 4,0		-	7,8	±	4,1	11	±	4	< 9,0	-	< 10		-
02/09/2022	< 4,0		-	8,7	±	4,1	10	±	4	< 9,0	-	< 10		-
03/09/2022	< 4,0		-	6,2	±	4,0	7,0	±	4,1	< 9,0	-	14	±	9
04/09/2022	< 4,0		-	< 6,0		-	6,2	±	4,0	< 9,0	-	12	±	9
05/09/2022	< 4,0		-	6,2	±	4,0	8,0	±	4,1	< 9,0	-			-
06/09/2022	< 4,0		-	8,8	±	4,1	11	±	4	< 9,0	-	12	±	9
07/09/2022	< 4,0		-	10,0	±	4,1	14	±	4	< 9,0	-	< 10		-
08/09/2022	< 4,0		-	8,0	±	4,1	11	±	4	< 9,0	-	< 10		-
09/09/2022	< 4,0		-	12	±	4	15	±	4	< 9,0	-	< 10		-
10/09/2022	< 4,0		-	13	±	4	19	±	4	< 9,0	-	< 10		-
11/09/2022	4,1	±	4,0	11	±	4	18	±	4	< 9,0	-	< 10		-

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")





Tabela 10 – Condições de temperatura e humidade relativa no interior do abrigo onde foram realizados os ensaios de medição – 3ª campanha

Indicador estatístico	Humidade Relativa (%) [*]	Temperatura (°C) [*]
Média	65	20
Máximo Horário	75	24
Mínimo Horário	50	17

^{[*] –} Ensaio fora do âmbito da acreditação da Sondarlab, Lda.

P1 - 4ª CAMPANHA (27/09 A 09/10/2022)

Tabela 11 – Resultados horários referentes às medições realizadas no ponto de medição P1 – 4ª Campanha

Data			Inc.				Elnc.			-	± Inc. ndida		SO ₂ Expa)± In	
Data		ug/i				μg/				µg/				/m³	<u>a</u>	L/	_	/m³	ıa
2022/09/27T01:00:00Z	< 4,0	×9/	_	(A)	13	±	5	(A)	14	±	5	(A)	< 9.0	Π.	(A)		1-3		
2022/09/27T02:00:00Z	< 4,0		-	(A)	10	±	4	(A)	11	±	4	(A)	< 9,0	—	(A)	<			(A
2022/09/27T03:00:00Z	< 4,0		-	(A)	8,3	±	4.2	(A)	9,1	±	4,3	(A)	< 9,0	—	(A)	10		-	`)
2022/09/27T04:00:00Z	< 4,0		-	(A)	9,0	±	4,3	(A)	9,6	±	4,3	(A)	< 9.0	T -	(A)				
2022/09/27T05:00:00Z	< 4,0		-	(A)	10	±	4	(A)	14	±	5	(A)	< 9,0	-	(A)				
2022/09/27T06:00:00Z	< 4,0		-	(A)	13	±	5	(A)	17	±	5	(A)	< 9,0	T -	(A)	<			(A
2022/09/27T07:00:00Z	25	±	5	(A)	21	±	5	(A)	60	±	9	(A)	< 9,0	-	(A)	10		-	`)
2022/09/27T08:00:00Z	43	±	7	(A)	30	±	6	(A)	96	±	14	(A)	< 9,0	-	(A)				
2022/09/27T09:00:00Z	37	±	7	(A)	38	±	7	(A)	95	±	14	(A)	< 9,0	T -	(A)				
2022/09/27T10:00:00Z	< 4,0		-	(A)	22	±	5	(A)	26	±	6	(A)	< 9,0	T -	(A)	4-7		1	(A
2022/09/27T11:00:00Z	< 4,0		-	(A)	9,2	±	4,3	(A)	11	±	4	(A)	< 9,0	-	(A)	17	±	0	`)
2022/09/27T12:00:00Z	< 4,0		-	(A)	12	±	4	(A)	13	±	5	(A)	< 9,0	T -	(A)				
2022/09/27T13:00:00Z	< 4,0		-	(A)	7,9	±	4,2	(A)	9,1	±	4,3	(A)	< 9,0	-	(A)				
2022/09/27T14:00:00Z	< 4,0		-	(A)	8,8	±	4,2	(A)	9,9	±	4,3	(A)	< 9,0	Π-	(A)	40		1	(A
2022/09/27T15:00:00Z	< 4,0			(A)	9,2	±	4,3	(A)	10	±	4	(A)	< 9,0	Π-	(A)	18	±	0)
2022/09/27T16:00:00Z	< 4,0		-	(A)	9,1	±	4,3	(A)	10	±	4	(A)	< 9,0	-	(A)				
2022/09/27T17:00:00Z	< 4,0		-	(A)	11	±	4	(A)	12	±	4	(A)	< 9,0	-	(A)				
2022/09/27T18:00:00Z	< 4,0		-	(A)	15	±	5	(A)	16	±	5	(A)	< 9,0	-	(A)	26	١. ا	1	(A
2022/09/27T19:00:00Z	< 4,0		-	(A)	17	±	5	(A)	18	±	5	(A)	< 9,0	-	(A)	20	±	0)
2022/09/27T20:00:00Z	< 4,0		-	(A)	22	±	5	(A)	23	±	5	(A)	< 9,0	-	(A)				
2022/09/27T21:00:00Z	< 4,0		-	(A)	21	±	5	(A)	23	±	5	(A)	< 9,0	-	(A)				
2022/09/27T22:00:00Z	< 4,0		-	(A)	17	±	5	(A)	18	±	5	(A)	< 9,0	-	(A)	10	١. ا	9	(A
2022/09/27T23:00:00Z	< 4,0		-	(A)	15	±	5	(A)	16	±	5	(A)	< 9,0	-	(A)	10	±	9)
2022/09/28T00:00:00Z	< 4,0		-	(A)	15	±	5	(A)	18	±	5	(A)	< 9,0	-	(A)				
2022/09/28T01:00:00Z	< 4,0		-	(A)	15	±	5	(A)	16	±	5	(A)	< 9,0	-	(A)				
2022/09/28T02:00:00Z	< 4,0			(A)	11	±	4	(A)	12	±	4	(A)	< 9,0	-	(A)	<		_	(A
2022/09/28T03:00:00Z	< 4,0		-	(A)	9,2	±	4,3	(A)	9,8	±	4,3	(A)	< 9,0	-	(A)	10		-)
2022/09/28T04:00:00Z	< 4,0		-	(A)	8,8	±	4,2	(A)	9,4	±	4,3	(A)	< 9,0	_	(A)				
2022/09/28T05:00:00Z	< 4,0		-	(A)	9,1	±	4,3	(A)	12	±	4	(A)	< 9,0		(A)				
2022/09/28T06:00:00Z	< 4,0		-	(A)	13	±	4	(A)	17	±	5	(A)	< 9,0	_	(A)	11	±	9	(A
2022/09/28T07:00:00Z	30	±	6	(A)	26	±	6	(A)	73	±	11	(A)	< 9,0	_	(A)] ' '	=	Э)
2022/09/28T08:00:00Z	< 4,0		-	(A)	12	±	4	(A)	13	±	5	(A)	< 9,0	-	(A)				





2022/09/28T11:00:00Z < 4,0	221 222 221	± ± ±	/m ³ 1 0 1 0	(A) (A)
2022/09/28T10:00:00Z < 4,0	22	±	1)
2022/09/28T11:00:00Z < 4,0	22	±	1)
2022/09/28T11:00:00Z < 4,0	22	±	1) (A)
2022/09/28T13:00:00Z < 4,0				(A)
2022/09/28T14:00:00Z < 4,0				(A)
2022/09/28T15:00:00Z < 4,0				(A)
2022/09/28T15:00:00Z < 4,0			0)
2022/09/28T17:00:00Z < 4,0	21	±		
2022/09/28T18:00:00Z < 4,0	21	+		
2022/09/28T19:00:00Z < 4,0	21	±		
2022/09/28T19:00:00Z < 4,0	21	Ι±Ι	1	(A
2022/09/28T21:00:00Z < 4,0 - (A) 23 ± 5 (A) 27 ± 6 (A) < 9,0 - (A) 2022/09/28T22:00:00Z < 4,0 - (A) 20 ± 5 (A) 23 ± 5 (A) < 9,0 - (A)			0)
2022/09/28T22:00:00Z < 4,0 - (A) 20 ± 5 (A) 23 ± 5 (A) < 9,0 - (A)				
2022/09/28T23:00:007 < 4.0 - (\Delta\) 13 + 5 (\Delta\) 14 + 5 (\Delta\) < 0.0 (\Delta\)	22	١. ا	1	(A
LULLIUUILUILUILUU.UUL NT,U " (M)	22	±	0)
2022/09/29T00:00:00Z < 4,0 - (A) 12 ± 4 (A) 13 ± 5 (A) < 9,0 - (A)				
2022/09/29T01:00:00Z < 4,0 - (A) 7,3 ± 4,2 (A) 7,9 ± 4,2 (A) < 9,0 - (A)				
$2022/09/29T02\cdot00\cdot007$ < 40 - (A) 6.9 + 4.1 (A) 7.4 + 4.2 (A) < 9.0 - (A)			1	(A
2022/09/29T03:00:00Z < 4,0 - (A) < 6,0 - (A) 6,1 ± 4,1 (A) < 9,0 - (A)	15	±	0	`)
2022/09/29T04:00:00Z < 4,0 - (A) 6,1 ± 4,1 (A) 6,4 ± 4,1 (A) < 9,0 - (A)				
2022/09/29T05:00:00Z < 4,0 - (A) 7,5 ± 4,2 (A) 8,1 ± 4,2 (A) < 9,0 - (A)				
2022/09/29706:00:007 < 4.0 - (A) 14 + 5 (A) 18 + 5 (A) < 9.0 - (A)			1	(A
2022/09/29T07:00:00Z 5,1 ± 4,0 (A) 18 ± 5 (A) 26 ± 5 (A) < 9,0 - (A)	19	±	0	`)
2022/09/29T08:00:00Z < 4,0 - (A) 17 ± 5 (A) 23 ± 5 (A) < 9,0 - (A)				
2022/09/29T09:00:00Z < 4,0 - (A) 8,5 ± 4,2 (A) 10 ± 4 (A) < 9,0 - (A)				
2022/09/29710:00:007 < 4.0 - (A) 6.8 + 4.1 (A) 7.1 + 4.1 (A) < 9.0 - (A)			1	(A
2022/09/29T11:00:00Z < 4,0 - (A) 11 ± 4 (A) 12 ± 4 (A) < 9,0 - (A)	20	±	0	`)
2022/09/29T12:00:00Z < 4,0 - (A) 9,7 ± 4,3 (A) 11 ± 4 (A) < 9,0 - (A)				
2022/09/29T13:00:00Z < 4,0 - (A) 9,1 ± 4,3 (A) 10 ± 4 (A) < 9,0 - (A)				
2022/09/29714:00:007 < 4.0			1	(A
2022/09/29T15:00:00Z < 4,0 - (A) 7,1 ± 4,1 (A) 8,2 ± 4,2 (A) < 9,0 - (A)	23	±	0	`)
2022/09/29T16:00:00Z < 4,0 - (A) 8,3 ± 4,2 (A) 9,2 ± 4,3 (A) < 9,0 - (A)				
2022/09/29T17:00:00Z < 4,0 - (A) 10 ± 4 (A) 11 ± 4 (A) < 9,0 - (A)				
2022/09/20118:00:007 < 4.0	0.7		1	(A
2022/09/29T19:00:00Z < 4,0 - (A) 13 ± 5 (A) 14 ± 5 (A) < 9,0 - (A)	27	±	0	`)
2022/09/29T20:00:00Z < 4,0 - (A) 19 ± 5 (A) 20 ± 5 (A) < 9,0 - (A)				
2022/09/29T21:00:00Z < 4,0 - (A) 19 ± 5 (A) 21 ± 5 (A) < 9,0 - (A)				
2022/09/29T22:00:007			1	(A
2022/09/29T23:00:00Z < 4,0 - (A) 16 ± 5 (A) 19 ± 5 (A) < 9,0 - (A)	21	±	0	`)
2022/09/30T00:00:00Z < 4,0 - (A) 12 ± 4 (A) 13 ± 5 (A) < 9,0 - (A)				
2022/09/30T01:00:00Z < 4,0 - (A) 7,8 ± 4,2 (A) 8,3 ± 4,2 (A) < 9,0 - (A)				
	<			(A
	10		-)
2022/09/30T04:00:00Z < 4,0				
2022/09/30T05:00:00Z < 4,0				
2022/09/30T06:00:00Z < 4,0	<			(A
	10		-	`)
2022/09/30T08:00:00Z 33 ± 6 (A) 21 ± 5 (A) 73 ± 11 (A) < 9,0 - (A)				
2022/09/30T09:00:00Z 45 ± 7 (A) 31 ± 6 (A) 100 ± 14 (A) < 9,0 - (A)				
	14	±	9	(A
2022/09/30T11:00:00Z < 4,0)





Data			Inc. ndida				Inc.				Inc.		SO ₂ : Expa)± Ir ndic	
		ug/ı				µg/	m³			μg/i	m³		μg	/m³			μg	/m³	
2022/09/30T12:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,2	±	4,1	(A)	< 9,0	Ι.	(A)				
2022/09/30T13:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,4	±	4,1	(A)	< 9,0	Π.	(A)				
2022/09/30T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	Π.	· (A)	4.5	١.	1	(A
2022/09/30T15:00:00Z	< 4,0		-	(A)	6,5	±	4,1	(A)	7,3	±	4,2	(A)	< 9,0	Π.	· (A)	15	±	0)
2022/09/30T16:00:00Z	< 4,0			(A)	12	±	4	(A)	13	±	5	(A)	< 9,0	Π.	(A)				
2022/09/30T17:00:00Z	< 4,0			(A)	13	±	5	(A)	15	±	5	(A)	< 9,0	Π.	· (A)				
2022/09/30T18:00:00Z	< 4,0		-	(A)	18	±	5	(A)	20	±	5	(A)	< 9,0	Π.	· (A)		١.	1	(A
2022/09/30T19:00:00Z	< 4,0		-	(A)	25	±	5	(A)	28	±	6	(A)	< 9,0	Π.	(A)	23	±	0	`)
2022/09/30T20:00:00Z	< 4,0		-	(A)	27	±	6	(A)	29	±	6	(A)	< 9,0	Π.	· (A)				
2022/09/30T21:00:00Z	< 4,0		-	(A)	23	±	5	(A)	27	±	6	(A)	< 9,0	Ι.	(A)				
2022/09/30T22:00:00Z	< 4,0			(A)	21	±	5	(A)	25	±	5	(A)	< 9,0	Π.	· (A)	٦,,	١.	_	(A
2022/09/30T23:00:00Z	< 4,0		-	(A)	18	±	5	(A)	20	±	5	(A)	< 9,0	Π.	· (A)	11	±	9)
2022/10/01T00:00:00Z	< 4,0		-	(A)	17	±	5	(A)	21	±	5	(A)	< 9,0	Π.	· (A)				
2022/10/01T01:00:00Z	< 4,0		-	(A)	14	±	5	(A)	16	±	5	(A)	< 9,0	Π.	(A)				
2022/10/01T02:00:00Z	< 4,0		-	(A)	11	±	4	(A)	12	±	4	(A)	< 9,0	Π.	· (A)	<			(A
2022/10/01T03:00:00Z	< 4,0			(A)	8,2	±	4,2	(A)	9,0	±	4,3	(A)	< 9,0	Π.	(A)	10		-)
2022/10/01T04:00:00Z	< 4,0			(A)	7,8	±	4,2	(A)	9,0	±	4,3	(A)	< 9,0	Π.	· (A)				
2022/10/01T05:00:00Z	< 4,0			(A)	7,4	±	4,2	(A)	8,6	±	4,2	(A)	< 9,0	Π.	· (A)				
2022/10/01T06:00:00Z	< 4,0		-	(A)	8,8	±	4,2	(A)	10	±	4	(A)	< 9,0	Π.	· (A)	<			(A
2022/10/01T07:00:00Z	< 4,0			(A)	9,9	±	4,3	(A)	15	±	5	(A)	< 9,0	Π.	· (A)	10		-)
2022/10/01T08:00:00Z	24	±	5	(A)	18	±	5	(A)	54	±	8	(A)	< 9,0	Ħ.	· (A)				
2022/10/01T09:00:00Z	23	±	5	(A)	22	±	5	(A)	57	±	9	(A)	< 9,0	Π.	· (A)				
2022/10/01T10:00:00Z	7,5	±	4,2	(A)	29	±	6	(A)	40	±	7	(A)	< 9,0	Ħ.				1	(A
2022/10/01T11:00:00Z	< 4,0		-	(A)	15	±	5	(A)	19	±	5	(A)	< 9,0	Π.	· (A)	23	±	0)
2022/10/01T12:00:00Z	< 4,0		-	(A)	11	±	4	(A)	14	±	5	(A)	< 9,0	Ħ.					
2022/10/01T13:00:00Z	< 4,0			(A)	< 6,0			(A)	< 6,0			(A)	< 9,0	Π.	· (A)				
2022/10/01T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	Ι.	(A)	12	١.	_	(A
2022/10/01T15:00:00Z	< 4,0		-	(A)	6,5	±	4,1	(A)	6,8	±	4,1	(A)	< 9,0	١.	· (A)	13	±	9)
2022/10/01T16:00:00Z	< 4,0		-	(A)	7,1	±	4,1	(A)	7,7	±	4,2	(A)	< 9,0	Ι.	(A)				
2022/10/01T17:00:00Z	< 4,0		-	(A)	8,6	±	4,2	(A)	9,2	±	4,3	(A)	< 9,0	Π-	(A)				
2022/10/01T18:00:00Z	< 4,0			(A)	11	±	4	(A)	12	±	4	(A)	< 9,0		(A)	15	١.	1	(A
2022/10/01T19:00:00Z	< 4,0		•	(A)	29	±	6	(A)	32	±	6	(A)	< 9,0		(A)	13	±	0)
2022/10/01T20:00:00Z	< 4,0		•	(A)	33	±	6	(A)	38	±	7	(A)	< 9,0		(A)				
2022/10/01T21:00:00Z	< 4,0		•	(A)	30	±	6	(A)	34	±	6	(A)	< 9,0		(A)				
2022/10/01T22:00:00Z	< 4,0		•	(A)	19	±	5	(A)	21	±	5	(A)	< 9,0		(A)	<		_	(A
2022/10/01T23:00:00Z	< 4,0		-	(A)	16	±	5	(A)	17	±	5	(A)	< 9,0	-	(A)	10		-)
2022/10/02T00:00:00Z	< 4,0		-	(A)	15	±	5	(A)	16	±	5	(A)	< 9,0		(A)				
2022/10/02T01:00:00Z	< 4,0		-	(A)	13	±	4	(A)	14	±	5	(A)	< 9,0		· (A)				
2022/10/02T02:00:00Z	< 4,0		-	(A)	12	±	4	(A)	13	±	5	(A)	< 9,0		(A)	<		_	(A
2022/10/02T03:00:00Z	< 4,0		-	(A)	12	±	4	(A)	14	±	5	(A)	< 9,0		(A)	10		-)
2022/10/02T04:00:00Z	< 4,0		-	(A)	11	±	4	(A)	15	±	5	(A)	< 9,0	Ш.	(A)				
2022/10/02T05:00:00Z	< 4,0		-	(A)	9,8	±	4,3	(A)	11	±	4	(A)	< 9,0	-	(A)				
2022/10/02T06:00:00Z	< 4,0		-	(A)	10	±	4	(A)	14	±	5	(A)	< 9,0	-	· (A)	<		_	(A
2022/10/02T07:00:00Z	< 4,0		-	(A)	11	±	4	(A)	13	±	4	(A)	< 9,0		· (A)	10		-)
2022/10/02T08:00:00Z	12	±	4	(A)	13	±	5	(A)	31	±	6	(A)	< 9,0		(A)				
2022/10/02T09:00:00Z	15	±	5	(A)	22	±	5	(A)	45	±	7	(A)	< 9,0	-	(A)				
2022/10/02T10:00:00Z	7,5	±	4,2	(A)	30	±	6	(A)	41	±	7	(A)	< 9,0		(A)	<		_	(A
2022/10/02T11:00:00Z	< 4,0		-	(A)	17	±	5	(A)	21	±	5	(A)	< 9,0		(A)	10		-)
2022/10/02T12:00:00Z	< 4,0		-	(A)	7,4	±	4,2	(A)	8,2	±	4,2	(A)	< 9,0		(A)				
2022/10/02T13:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,5	±	4,1	(A)	< 9,0		· (A)	<			(A
2022/10/02T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0			(A)	< 9,0			10	L	L ⁻)





Data			Inc.				Inc.				Elnc. ndida		SO ₂ : Expa)± Ir	
		ug/i				ug/				<u>μ</u> g/ι				/m³				•	/m³	
2022/10/02T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/10/02T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2022/10/02T17:00:00Z	< 4,0			(A)	8,7	±	4,2	(A)	9,3	±	4,3	(A)	< 9,0		-	(A)				
2022/10/02T18:00:00Z	< 4,0		-	(A)	25	±	5	(A)	27	±	6	(A)	< 9,0		-	(A)	40		_	(A
2022/10/02T19:00:00Z	< 4,0		-	(A)	23	±	5	(A)	24	±	5	(A)	< 9,0		-	(A)	12	±	9	`)
2022/10/02T20:00:00Z	< 4.0		-	(A)	22	±	5	(A)	23	±	5	(A)	< 9,0		-	(A)				
2022/10/02T21:00:00Z	< 4,0		-	(A)	23	±	5	(A)	25	±	5	(A)	< 9,0		-	(A)				
2022/10/02T22:00:00Z	< 4,0		-	(A)	16	±	5	(A)	17	±	5	(A)	< 9,0		-	(A)	<			(A
2022/10/02T23:00:00Z	< 4,0			(A)	14	±	5	(A)	15	±	5	(A)	< 9,0		-	(A)	10		-	`)
2022/10/03T00:00:00Z	< 4,0			(A)	13	±	5	(A)	14	±	5	(A)	< 9,0		-	(A)				
2022/10/03T01:00:00Z	< 4,0		-	(A)	14	±	5	(A)	15	±	5	(A)	< 9,0		-	(A)				
2022/10/03T02:00:00Z	< 4,0		-	(A)	11	±	4	(A)	12	±	4	(A)	< 9,0		-	(A)	<			(A
2022/10/03T03:00:00Z	< 4,0			(A)	9,7	±	4,3	(A)	10	±	4	(A)	< 9,0		-	(A)	10		-	·)
2022/10/03T04:00:00Z	< 4,0			(A)	8,7	±	4,2	(A)	9,8	±	4,3	(A)	< 9,0		-	(A)				
2022/10/03T05:00:00Z	< 4,0			(A)	11	±	4	(A)	12	±	4	(A)	< 9,0		-	(A)				
2022/10/03T06:00:00Z	< 4,0		-	(A)	17	±	5	(A)	21	±	5	(A)	< 9,0		-	(A)	<			(A
2022/10/03T07:00:00Z	11	±	4	(A)	22	±	5	(A)	40	±	7	(A)	< 9,0		-	(A)	10		-	·)
2022/10/03T08:00:00Z	30	±	6	(A)	29	±	6	(A)	76	±	11	(A)	< 9,0		-	(A)				
2022/10/03T09:00:00Z	76	±	11	(A)	47	±	8	(A)	163	±	23	(A)	< 9,0		-	(A)				
2022/10/03T10:00:00Z	38	±	7	(A)	71	±	10	(A)	129	±	18	(A)	< 9,0		-	(A)	00		1	(A
2022/10/03T11:00:00Z	7,7	±	4,2	(A)	36	±	7	(A)	48	±	8	(A)	< 9,0		-	(A)	28	±	0	`)
2022/10/03T12:00:00Z	< 4,0		-	(A)	24	±	5	(A)	27	±	6	(A)	< 9,0		-	(A)				
2022/10/03T13:00:00Z	< 4,0		-	(A)	23	±	5	(A)	26	±	5	(A)	< 9,0		-	(A)				
2022/10/03T14:00:00Z	< 4,0		-	(A)	13	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)	4-7		1	(A
2022/10/03T15:00:00Z	< 4,0		-	(A)	9,5	±	4,3	(A)	10	±	4	(A)	< 9,0		-	(A)	17	±	0	`)
2022/10/03T16:00:00Z	< 4,0		-	(A)	10	±	4	(A)	10	±	4	(A)	< 9,0		-	(A)				
2022/10/03T17:00:00Z	< 4,0			(A)	30	±	6	(A)	32	±	6	(A)	< 9,0		-	(A)				
2022/10/03T18:00:00Z	< 4,0			(A)	45	±	7	(A)	50	±	8	(A)	< 9,0		-	(A)	40		1	(A
2022/10/03T19:00:00Z	< 4,0		-	(A)	36	±	6	(A)	38	±	7	(A)	< 9,0		-	(A)	16	±	0)
2022/10/03T20:00:00Z	< 4,0		-	(A)	29	±	6	(A)	31	±	6	(A)	< 9,0		-	(A)				
2022/10/03T21:00:00Z	< 4,0		-	(A)	24	±	5	(A)	26	±	5	(A)	< 9,0		-	(A)				
2022/10/03T22:00:00Z	< 4,0		-	(A)	18	±	5	(A)	19	±	5	(A)	< 9,0		-	(A)	<			(A
2022/10/03T23:00:00Z	< 4,0		-	(A)	15	±	5	(A)	16	±	5	(A)	< 9,0		-	(A)	10		-)
2022/10/04T00:00:00Z	< 4,0		-	(A)	12	±	4	(A)	13	±	5	(A)	< 9,0		-	(A)				
2022/10/04T01:00:00Z	< 4,0			(A)	10	±	4	(A)	10	±	4	(A)	< 9,0		-	(A)				
2022/10/04T02:00:00Z	< 4,0			(A)	8,2	±	4,2	(A)	8,4	±	4,2	(A)	< 9,0		-	(A)	<		_	(A
2022/10/04T03:00:00Z	< 4,0		•	(A)	7,7	±	4,2	(A)	8,2	±	4,2	(A)	< 9,0		-	(A)	10		-)
2022/10/04T04:00:00Z	< 4,0		-	(A)	6,8	±	4,1	(A)	7,3	±	4,2	(A)	< 9,0		-	(A)				
2022/10/04T05:00:00Z	< 4,0		-	(A)	8,3	±	4,2	(A)	9,1	±	4,3	(A)	< 9,0		-	(A)				
2022/10/04T06:00:00Z	< 4,0		•	(A)	16	±	5	(A)	19	±	5	(A)	< 9,0		-	(A)	<		_	(A
2022/10/04T07:00:00Z	4,9	±	4,0	(A)	22	±	5	(A)	29	±	6	(A)	< 9,0		-	(A)	10		_)
2022/10/04T08:00:00Z	36	±	6	(A)	34	±	6	(A)	89	±	13	(A)	< 9,0		-	(A)				
2022/10/04T09:00:00Z	35	±	6	(A)	55	±	9	(A)	109	±	16	(A)	< 9,0		-	(A)				
2022/10/04T10:00:00Z	32	±	6	(A)	54	±	8	(A)	103	±	15	(A)	< 9,0	Ш	-	(A)	34		1	(A
2022/10/04T11:00:00Z	4,1	±	4,0	(A)	28	±	6	(A)	34	±	6	(A)	< 9,0		-	(A)	34	±	0)
2022/10/04T12:00:00Z	< 4,0		1	(A)	21	±	5	(A)	24	±	5	(A)	< 9,0		-	(A)				
2022/10/04T13:00:00Z	< 4,0		-	(A)	31	±	6	(A)	36	±	6	(A)	< 9,0		-	(A)				
2022/10/04T14:00:00Z	4,4	±	4,0	(A)	36	±	6	(A)	43	±	7	(A)	< 9,0	Ш	-	(A)	30	±	1	(A
2022/10/04T15:00:00Z	< 4,0		-	(A)	36	±	6	(A)	41	±	7	(A)	< 9,0	Ш	-	(A)	30	Ŧ	0)
2022/10/04T16:00:00Z	< 4,0		-	(A)	41	±	7	(A)	46	±	8	(A)	< 9,0		-	(A)				
2022/10/04T17:00:00Z	< 4,0		-	(A)	41	±	7	(A)	46	±	8	(A)	< 9,0		-	(A)	26	±		





Data			Inc. idida				Elnc.				⊧ Inc. ndida		SO ₂ : Expa					± In	
		ug/ı	m³			ug/	m³			ug/	m³		μg,	/m³			μg	/m³	
2022/10/04T18:00:00Z	< 4,0		٠	(A)	55	±	9	(A)	61	±	9	(A)	< 9,0	•	(A)			4	/Λ
2022/10/04T19:00:00Z	< 4,0		-	(A)	41	±	7	(A)	43	±	7	(A)	< 9,0	-	(A)			1 0	(A
2022/10/04T20:00:00Z	< 4,0		•	(A)	38	±	7	(A)	40	±	7	(A)	< 9,0	•	(A)			Ū	,
2022/10/04T21:00:00Z	< 4,0		•	(A)	30	±	6	(A)	31	±	6	(A)	< 9,0	-	(A)				
2022/10/04T22:00:00Z	< 4,0		·	(A)	25	±	5	(A)	26	±	5	(A)	< 9,0	-	(A)	11	١. ا	9	(A
2022/10/04T23:00:00Z	< 4,0			(A)	21	±	5	(A)	22	±	5	(A)	< 9,0	•	(A)] ''	±	Э)
2022/10/05T00:00:00Z	< 4,0		-	(A)	18	±	5	(A)	19	±	5	(A)	< 9,0	-	(A)				
2022/10/05T01:00:00Z	< 4,0		·	(A)	16	±	5	(A)	16	±	5	(A)	< 9,0	-	(A)				
2022/10/05T02:00:00Z	< 4,0		•	(A)	13	±	4	(A)	13	±	5	(A)	< 9,0	•	(A)	<		_	(A
2022/10/05T03:00:00Z	< 4,0		-	(A)	9,7	±	4,3	(A)	9,9	±	4,3	(A)	< 9,0	-	(A)	10		-)
2022/10/05T04:00:00Z	< 4,0		-	(A)	8,6	±	4,2	(A)	8,9	±	4,2	(A)	< 9,0	Π-	(A)				
2022/10/05T05:00:00Z	< 4,0			(A)	10	±	4	(A)	13	±	4	(A)	< 9,0	-	(A)				
2022/10/05T06:00:00Z	< 4,0		-	(A)	9,4	±	4,3	(A)	10	±	4	(A)	< 9,0	Π-	(A)	<			(A
2022/10/05T07:00:00Z	< 4,0		-	(A)	12	±	4	(A)	14	±	5	(A)	< 9,0	Ι.	(A)	10		-)
2022/10/05T08:00:00Z	< 4,0		-	(A)	17	±	5	(A)	22	±	5	(A)	< 9,0	-	(A)				
2022/10/05T09:00:00Z	13	±	5	(A)	33	±	6	(A)	53	±	8	(A)	< 9,0		(A)				
2022/10/05T10:00:00Z	5,4	±	4,0	(A)	29	±	6	(A)	38	±	7	(A)	< 9,0	Π-	(A)]		1	(A
2022/10/05T11:00:00Z	< 4,0		-	(A)	25	±	5	(A)	30	±	6	(A)	< 9,0	-	(A)	28	±	0	`)
2022/10/05T12:00:00Z	< 4,0			(A)	14	±	5	(A)	15	±	5	(A)	< 9,0	Π-	(A)				
2022/10/05T13:00:00Z	< 4,0		-	(A)	13	±	5	(A)	14	±	5	(A)	< 9,0	١.	(A)				
2022/10/05T14:00:00Z	< 4,0		-	(A)	7,5	±	4,2	(A)	8.0	±	4,2	(A)	< 9,0	Π.	(A)	1		1	(A
2022/10/05T15:00:00Z	< 4,0		-	(A)	8,0	±	4,2	(A)	8,5	±	4,2	(A)	< 9,0	Π.	(A)	54	±	1)
2022/10/05T16:00:00Z	< 4,0		-	(A)	10	±	4	(A)	11	±	4	(A)	< 9,0	Π.	(A)				
2022/10/05T17:00:00Z	< 4,0		-	(A)	14	±	5	(A)	15	±	5	(A)	< 9,0	Π.	(A)				
2022/10/05T18:00:00Z	< 4,0		-	(A)	17	±	5	(A)	18	±	5	(A)	< 9,0	Η.	(A)	1		1	(A
2022/10/05T19:00:00Z	< 4,0		-	(A)	20	±	5	(A)	21	±	5	(A)	< 9,0	Η.	(A)	44	±	0)
2022/10/05T20:00:00Z	< 4,0		-	(A)	28	±	6	(A)	29	±	6	(A)	< 9,0	Η.	(A)				
2022/10/05T21:00:00Z	< 4,0		-	(A)	22	±	5	(A)	23	±	5	(A)	< 9,0	Η.	(A)				
2022/10/05T22:00:00Z	< 4,0		-	(A)	16	±	5	(A)	18	±	5	(A)	< 9,0	Η.	(A)			1	(A
2022/10/05T23:00:00Z	< 4,0		_	(A)	14	±	5	(A)	16	±	5	(A)	< 9,0	Η.	(A)	17	±	0)
2022/10/06T00:00:00Z	< 4,0		_	(A)	16	±	5	(A)	18	±	5	(A)	< 9,0	Η.	(A)	ĺ			,
2022/10/06T01:00:00Z	< 4,0		-	(A)	13	±	4	(A)	15	±	5	(A)	< 9,0	Η.	(A)				
2022/10/06T02:00:00Z	< 4,0		-	(A)	10	±	4	(A)	11	±	4	(A)	< 9,0	Η.	(A)	<			(A
2022/10/06T03:00:00Z	< 4,0		_	(A)	7,8	±	4,2	(A)	8,1	±	4,2	(A)	< 9,0	Н.	(A)	10		-)
2022/10/06T04:00:00Z	< 4.0		_	(A)	9,0	±	4,3	(A)	10	±	4	(A)	< 9,0	Η.		1			ĺ
2022/10/06T05:00:00Z	< 4,0		-	(A)	10	±	4	(A)	14	±	5	(A)	< 9,0	Η.	(A)				
2022/10/06T06:00:00Z	< 4,0		-	(A)	15	±	5	(A)	19	±	5	(A)	< 9,0	Ħ.	(A)	1		1	(A
2022/10/06T07:00:00Z	7,2	±	4,1	(A)	19	±	5	(A)	30	±	6	(A)	< 9,0	H.	(A)	21	±	Ö)
2022/10/06T08:00:00Z	33	±	6	(A)	26	±	6	(A)	77	±	11	(A)	< 9,0	Ħ.	(A)	1			
2022/10/06T09:00:00Z	EQUP	_	-	\(\cdot \cdot \)	EQUP	<u> </u>	-	(, , ,	EQUP	<u> </u>	-	\(' ')	< 9,0	Ħ.	(A)		П		
2022/10/06T10:00:00Z	EQUP		_		EQUP		-		EQUP		-		< 9,0	H.	(A)	1_		1	(A
2022/10/06T11:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ.	(A)	66	±	1)
2022/10/06T12:00:00Z	EQUP		-		EQUP		_		EQUP		-		< 9,0	Ħ.	(A)	1			ĺ
2022/10/06T13:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ.	(A)		П		
2022/10/06T14:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	H.	(A)	1		1	(A
2022/10/06T15:00:00Z	EQUP		-		EQUP		-		EQUP		_		< 9,0	Ħ.	(A)	89	±	2)
2022/10/06T16:00:00Z	EQUP		-		EQUP		_		EQUP		-		< 9,0	Ħ.	(A)	1			ĺ .
2022/10/06T17:00:00Z	EQUP		_		EQUP		_		EQUP		-		< 9,0	Ħ.	(A)		Н		
2022/10/06T17:00:00Z	EQUP		_		EQUP		_		EQUP		_		< 9,0	Ħ.	(A)	1		1	(A
2022/10/06T19:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ.	(A)	62	±	1	()
2022/10/06T20:00:00Z	EQUP		-		EQUP				EQUP		-		< 9,0	H	(A)	1		•	,
2022/10/00120.00.002	LGOI		-		_ עטו			l	LQUI		-		< ₹,0	LL	(A)	1	Ш		

Este Relatório só pode ser reproduzido na íntegra, exceto quando seja autorizado pela SondarLab, Lda. O conteúdo deste relatório é confidencial, devendo a SondarLab, Lda. respeitar esse direito. Relatório elaborado pela SondarLab em 2023/04/28 a pedido de MUNICÍPIO DE VALE DE CAMBRA



ANEXO IV_RM_QUALAR_202304_MA_PR.72.22 MUNICÍPIO VALE DE **CAMBRA.v0** MSL.0228 a) (38) Página 23 de 50



Data			Inc. ndida				Inc.				Inc.		SO ₂ : Expa)± In	
		ug/i				ug/				ug/i			μg						/m³	
2022/10/06T21:00:00Z	EQUP	3,	-		EQUP	- <u>J</u>	-		EQUP	J.	-		< 9,0		-	(A)				
2022/10/06T22:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ	-	(A)			1	(A
2022/10/06T23:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ	-	(A)	38	±	0)
2022/10/07T00:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ	-	(A)				
2022/10/07T01:00:00Z	EQUP		_		EQUP		-		EQUP		_		< 9,0	H		(A)				
2022/10/07T02:00:00Z	EQUP		_		EQUP		-		EQUP		_		< 9,0	Ħ	-	(A)	1		1	(A
2022/10/07T03:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ	-	(A)	23	±	0)
2022/10/07T04:00:00Z	EQUP		_		EQUP		-		EQUP		_		< 9,0	H		(A)	_			,
2022/10/07T05:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ	-	(A)				
2022/10/07T06:00:00Z	EQUP		-		EQUP		-		EQUP				< 9,0			(A)	Ī		1	(A
2022/10/07T07:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ	-	(A)	36	±	0)
2022/10/07T08:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ	-	(A)				
2022/10/07T09:00:00Z	EQUP		-		EQUP		-		EQUP				< 9,0			(A)				
2022/10/07T10:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0			(A)	1		1	(A
2022/10/07T11:00:00Z	EQUP		-		EQUP		-		EQUP				< 9,0			(A)	84	±	2)
2022/10/07T12:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ	-	(A)				
2022/10/07T13:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2022/10/07T14:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0		-	(A)	<u> </u>		1	(A
2022/10/07T15:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0		-	(A)	80	±	2)
2022/10/07T16:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0	Ħ	-	(A)				
2022/10/07T17:00:00Z	EQUP		_		EQUP		-		EQUP		_		< 9,0	Ħ	-	(A)				
2022/10/07T18:00:00Z	9,2	±	4,3	(A)	52	±	8	(A)	67	±	10	(A)	< 9,0			(A)	i		1	(A
2022/10/07T19:00:00Z	< 4,0		-	(A)	34	±	6	(A)	38	±	7	(A)	< 9,0		-	(A)	50	±	0)
2022/10/07T20:00:00Z	< 4,0		-	(A)	30	±	6	(A)	33	±	6	(A)	< 9,0		-	(A)				
2022/10/07T21:00:00Z	< 4,0		-	(A)	27	±	6	(A)	32	±	6	(A)	< 9,0	Ħ	-	(A)				
2022/10/07T22:00:00Z	< 4,0		-	(A)	24	±	5	(A)	27	±	6	(A)	< 9,0	Ħ	-	(A)	1		1	(A
2022/10/07T23:00:00Z	< 4,0		-	(A)	20	±	5	(A)	24	±	5	(A)	< 9,0		-	(A)	30	±	0	`)
2022/10/08T00:00:00Z	< 4,0		-	(A)	19	±	5	(A)	24	±	5	(A)	< 9,0		-	(A)				
2022/10/08T01:00:00Z	< 4,0		-	(A)	13	±	5	(A)	16	±	5	(A)	< 9,0		-	(A)				
2022/10/08T02:00:00Z	< 4,0		-	(A)	11	±	4	(A)	13	±	5	(A)	< 9,0		-	(A)	1,0		1	(A
2022/10/08T03:00:00Z	< 4,0			(A)	10	±	4	(A)	13	±	4	(A)	< 9,0		-	(A)	46	±	0	`)
2022/10/08T04:00:00Z	< 4,0		-	(A)	11	±	4	(A)	15	±	5	(A)	< 9,0		-	(A)				
2022/10/08T05:00:00Z	< 4,0		-	(A)	12	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)				
2022/10/08T06:00:00Z	< 4,0		-	(A)	10	±	4	(A)	13	±	4	(A)	< 9,0		-	(A)	63	١.	1	(A
2022/10/08T07:00:00Z	4,9	±	4,0	(A)	16	±	5	(A)	24	±	5	(A)	< 9,0		-	(A)	03	±	1)
2022/10/08T08:00:00Z	14	±	5	(A)	20	±	5	(A)	42	±	7	(A)	< 9,0			(A)				
2022/10/08T09:00:00Z	28	±	6	(A)	31	±	6	(A)	75	±	11	(A)	< 9,0			(A)				
2022/10/08T10:00:00Z	20	±	5	(A)	37	±	7	(A)	68	±	10	(A)	< 9,0		-	(A)	10	١.	1	(A
2022/10/08T11:00:00Z	6,0	±	4,1	(A)	23	±	5	(A)	32	±	6	(A)	< 9,0		-	(A)	0	±	3)
2022/10/08T12:00:00Z	< 4,0		•	(A)	20	±	5	(A)	26	±	6	(A)	< 9,0		-	(A)				
2022/10/08T13:00:00Z	< 4,0		-	(A)	13	±	4	(A)	15	±	5	(A)	< 9,0		-	(A)				
2022/10/08T14:00:00Z	< 4,0		-	(A)	9,8	±	4,3	(A)	12	±	4	(A)	< 9,0		-	(A)	83	±	1	(A
2022/10/08T15:00:00Z	< 4,0		-	(A)	9,0	±	4,3	(A)	11	±	4	(A)	< 9,0		-	(A)	03	T	2)
2022/10/08T16:00:00Z	< 4,0		1	(A)	12	±	4	(A)	13	±	5	(A)	< 9,0		-	(A)				
2022/10/08T17:00:00Z	< 4,0			(A)	18	±	5	(A)	20	±	5	(A)	< 9,0	Ц		(A)				
2022/10/08T18:00:00Z	< 4,0		-	(A)	32	±	6	(A)	35	±	6	(A)	< 9,0	Ц	-	(A)	52	±	1	(A
2022/10/08T19:00:00Z	< 4,0		-	(A)	29	±	6	(A)	33	±	6	(A)	< 9,0	Ц	-	(A)	52	_	0)
2022/10/08T20:00:00Z	< 4,0		-	(A)	23	±	5	(A)	26	±	6	(A)	< 9,0	Ц	-	(A)				
2022/10/08T21:00:00Z	< 4,0		-	(A)	20	±	5	(A)	23	±	5	(A)	< 9,0	Ц	-	(A)			1	(A
2022/10/08T22:00:00Z	< 4,0		-	(A)	18	±	5	(A)	21	±	5	(A)	< 9,0	Ш	-	(A)	27	±	0	()
2022/10/08T23:00:00Z	< 4,0		-	(A)	18	±	5	(A)	22	±	5	(A)	< 9,0		-	(A)				





Data			Inc. idida			_	Inc.			-	Elnc. ndida		SO ₂ : Expa						± In	-
		ug/i	m³			μg/	m³			μg/	m³		μg,	/m³	3			μg	/m³	
2022/10/09T00:00:00Z	< 4,0		-	(A)	17	±	5	(A)	22	±	5	(A)	< 9,0		-	(A)				
2022/10/09T01:00:00Z	< 4,0		-	(A)	15	±	5	(A)	18	±	5	(A)	< 9,0		-	(A)				
2022/10/09T02:00:00Z	< 4,0			(A)	13	±	5	(A)	17	±	5	(A)	< 9,0		-	(A)	<			(A
2022/10/09T03:00:00Z	< 4,0		-	(A)	11	±	4	(A)	13	±	4	(A)	< 9,0		-	(A)	10		_)
2022/10/09T04:00:00Z	< 4,0		-	(A)	8,3	±	4,2	(A)	10	±	4	(A)	< 9,0		-	(A)				
2022/10/09T05:00:00Z	< 4,0		-	(A)	9,6	±	4,3	(A)	12	±	4	(A)	< 9,0		-	(A)				
2022/10/09T06:00:00Z	< 4,0		-	(A)	8,7	±	4,2	(A)	10	±	4	(A)	< 9,0		-	(A)	14	±	1	(A
2022/10/09T07:00:00Z	< 4,0		-	(A)	9,6	±	4,3	(A)	12	±	4	(A)	< 9,0		-	(A)	14	T	0)
2022/10/09T08:00:00Z	< 4,0		-	(A)	12	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)				
2022/10/09T09:00:00Z	< 4,0		-	(A)	12	±	4	(A)	15	±	5	(A)	< 9,0		-	(A)				
2022/10/09T10:00:00Z	< 4,0		-	(A)	14	±	5	(A)	19	±	5	(A)	< 9,0		-	(A)	55	±	1	(A
2022/10/09T11:00:00Z	< 4,0		-	(A)	11	±	4	(A)	15	±	5	(A)	< 9,0		-	(A)	33	-	1)
2022/10/09T12:00:00Z	< 4,0		-	(A)	8,3	±	4,2	(A)	12	±	4	(A)	< 9,0		-	(A)				
2022/10/09T13:00:00Z	< 4,0		-	(A)	7,3	±	4,2	(A)	9,6	±	4,3	(A)	< 9,0		-	(A)				
2022/10/09T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,6	±	4,1	(A)	< 9,0		-	(A)	72	±	1	(A
2022/10/09T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,4	±	4,2	(A)	< 9,0		-	(A)	12	T	1)
2022/10/09T16:00:00Z	< 4,0		-	(A)	7,4	±	4,2	(A)	8,9	±	4,2	(A)	< 9,0		-	(A)				
2022/10/09T17:00:00Z	< 4,0		-	(A)	14	±	5	(A)	17	±	5	(A)	< 9,0		-	(A)				
2022/10/09T18:00:00Z	< 4,0		-	(A)	18	±	5	(A)	21	±	5	(A)	< 9,0		-	(A)	55	±	1	(A
2022/10/09T19:00:00Z	< 4,0		-	(A)	19	±	5	(A)	22	±	5	(A)	< 9,0		-	(A)	33	-	1)
2022/10/09T20:00:00Z	4,0	±	4,0	(A)	24	±	5	(A)	31	±	6	(A)	< 9,0		-	(A)				
2022/10/09T21:00:00Z	4,3	±	4,0	(A)	26	±	6	(A)	33	±	6	(A)	< 9,0	Ш	-	(A)				
2022/10/09T22:00:00Z	< 4,0		-	(A)	20	±	5	(A)	24	±	5	(A)	< 9,0	Ш	-	(A)	21	±	1	(A
2022/10/09T23:00:00Z	< 4,0		-	(A)	12	±	4	(A)	15	±	5	(A)	< 9,0		-	(A)		-	0)
2022/10/10T00:00:00Z	< 4,0		-	(A)	9,7	±	4,3	(A)	13	±	4	(A)	< 9,0		-	(A)				

A – Valor Horário Acreditado

EQUP - Valor Horário Inválido devido a problema operacional no equipamento.

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 12 – Resultados médios diários referentes às medições realizadas no ponto de medição P1 – 4ª Campanha

Período de Integração	24	ŧН		24	ŧН		24	ŧН		24H		24	Н	
Data	NO ± Ir	nc. I	Ехр.	NO2 ± I	nc. Ex	φ.	NOx ± I	nc. E	хр.	SO2 ± Inc. Ex	p.	PM10 ± I	nc.	Ехр.
Dala	μg/	/m³		μg	/m³		μg	/m³		μg/m³		μg/	m³	
27/09/2022	5,3	±	4,0	15	±	4	23	±	5	< 9,0	-	13	±	9
28/09/2022	< 4,0		1	12	±	4	16	±	4	< 9,0	•	17	±	9
29/09/2022	< 4,0		-	11	±	4	13	±	4	< 9,0	-	21	±	9
30/09/2022	4,8	±	4,0	14	±	4	21	±	5	< 9,0	-	11	±	9
01/10/2022	< 4,0		-	14	±	4	20	±	5	< 9,0	-	11	±	9
02/10/2022	< 4,0		-	14	±	4	17	±	4	< 9,0	-	< 10		-
03/10/2022	7,6	±	4,1	24	±	5	35	±	6	< 9,0	-	13	±	9
04/10/2022	6,0	±	4,0	28	±	5	38	±	6	< 9,0	-	18	±	9
05/10/2022	< 4,0		-	16	±	4	18	±	4	< 9,0	-	25	±	9
06/10/2022	EQUP		-	EQUP		-	EQUP		-	< 9,0	-	47	±	10
07/10/2022	EQUP		-	EQUP		-	EQUP		-	< 9,0	-	50	±	10
08/10/2022	4,5	±	4,0	18	±	4	25	±	5	< 9,0	-	62	±	16
09/10/2022	< 4,0		-	13	±	4	16	±	4	< 9,0	-	38	±	9



EQUP - Valor Horário Inválido devido a problema operacional no equipamento.

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 13 - Condições de temperatura e humidade relativa no interior do abrigo onde foram realizados os ensaios de medição - 4ª campanha

Indicador estatístico	Humidade Relativa (%) [*]	Temperatura (°C) [*]
Média	62	18
Máximo Horário	76	21
Mínimo Horário	46	18

^{[*] –} Ensaio fora do âmbito da acreditação da Sondarlab, Lda.

P1 - 5ª CAMPANHA (17 A 23/11/2022)

Tabela 14 – Resultados horários referentes às medições realizadas no ponto de medição P1 – 5ª Campanha

Data	NO ± In	c. E	xpan	dida	NO ₂ ± Ir	nc. I	Expan	dida	NOx ± I	nc.	Expand	dida	SO ₂ ± Inc.	Ехр	an	dida
		μg/ı	m³			μg/	m³			μg/	m³		μg/	m³		
2022/11/17T01:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	7,8	±	4,2	(*)	< 9,0	∐.	-	(*)
2022/11/17T02:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	7,4	±	4,2	(*)	< 9,0	<u> </u>	-	(*)
2022/11/17T03:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	6,1	±	4,1	(*)	< 9,0	∐.	-	(*)
2022/11/17T04:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	7,2	±	4,1	(*)	< 9,0	<u> </u>	-	(*)
2022/11/17T05:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0	<u> </u>	-	(*)
2022/11/17T06:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	6,6	±	4,1	(*)	< 9,0	∐.	-	(*)
2022/11/17T07:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	9,6	±	4,3	(*)	< 9,0	<u> </u>	-	(*)
2022/11/17T08:00:00Z	5,8	±	4,1	(*)	9,2	±	4,3	(*)	18	±	5	(*)	< 9,0	<u> </u>	-	(*)
2022/11/17T09:00:00Z	4,7	±	4,0	(*)	8,7	±	4,2	(*)	16	±	5	(*)	< 9,0	<u> </u>	-	(*)
2022/11/17T10:00:00Z	4,8	±	4,0	(A)	12	±	4	(A)	19	±	5	(A)	< 9,0	<u> </u>	-	(A)
2022/11/17T11:00:00Z	5,4	±	4,0	(A)	12	±	4	(A)	20	±	5	(A)	< 9,0	∐.	-	(A)
2022/11/17T12:00:00Z	4,0	±	4,0	(A)	7,4	±	4,2	(A)	14	±	5	(A)	< 9,0		-	(A)
2022/11/17T13:00:00Z	6,0	±	4,1	(A)	11	±	4	(A)	20	±	5	(A)	< 9,0		-	(A)
2022/11/17T14:00:00Z	< 4,0		-	(A)	9,8	±	4,3	(A)	14	±	5	(A)	< 9,0	∐.	-	(A)
2022/11/17T15:00:00Z	5,7	±	4,1	(A)	11	±	4	(A)	19	±	5	(A)	< 9,0		-	(A)
2022/11/17T16:00:00Z	4,1	±	4,0	(A)	12	±	4	(A)	18	±	5	(A)	< 9,0		-	(A)
2022/11/17T17:00:00Z	5,2	±	4,0	(A)	11	±	4	(A)	19	±	5	(A)	< 9,0	<u> </u>	-	(A)
2022/11/17T18:00:00Z	11	±	4	(A)	21	±	5	(A)	38	±	7	(A)	< 9,0	∐.	-	(A)
2022/11/17T19:00:00Z	28	±	6	(A)	38	±	7	(A)	81	±	12	(A)	< 9,0		-	(A)
2022/11/17T20:00:00Z	9,7	±	4,3	(A)	23	±	5	(A)	38	±	7	(A)	< 9,0		-	(A)
2022/11/17T21:00:00Z	< 4,0		•	(A)	13	±	5	(A)	19	±	5	(A)	< 9,0		-	(A)
2022/11/17T22:00:00Z	< 4,0		•	(A)	14	±	5	(A)	20	±	5	(A)	< 9,0		-	(A)
2022/11/17T23:00:00Z	< 4,0		-	(A)	6,8	±	4,1	(A)	9,6	±	4,3	(A)	< 9,0	∐.	-	(A)
2022/11/18T00:00:00Z	< 4,0		•	(A)	7,0	±	4,1	(A)	9,3	±	4,3	(A)	< 9,0		-	(A)
2022/11/18T01:00:00Z	< 4,0		-	(A)	7,4	±	4,2	(A)	9,3	±	4,3	(A)	< 9,0		-	(A)
2022/11/18T02:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,9	±	4,2	(A)	< 9,0		-	(A)
2022/11/18T03:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,8	±	4,2	(A)	< 9,0		-]	(A)
2022/11/18T04:00:00Z	< 4,0		-	(A)	7,0	±	4,1	(A)	10	±	4	(A)	< 9,0	\prod	[(A)
2022/11/18T05:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,0	±	4,1	(A)	< 9,0		-	(A)







Data	NO ± In	c F	xnan	dida	NO ₂ ± I	nc I	Expan	dida	NOx ± I	nc	Fxnan	dida	SO ₂ ± Inc.	Exna	ndida
Data		ug/i		aiaa	1102 ± 11	μg/i	•	alaa		μg/		aiuu	μg/		Halaa
2022/11/18T06:00:00Z	< 4.0	μg/i	-	(A)	11	±	4	(A)	13	μy/ ±	5	(A)	< 9.0		(A)
2022/11/18T07:00:00Z	< 4,0		-	(A)	16	±	5	(A)	21	±	5	(A)	< 9,0	H-	(A)
	-	١.		(A)	25	1	5	(A)	33	1	6	(A)	,	 -	` '
2022/11/18T08:00:00Z 2022/11/18T09:00:00Z	4,8 21	±	4,0 5	(A)	38	±	7	(A)	71	±	10	(A)	< 9,0 < 9,0	H-	(A) (A)
2022/11/18T10:00:00Z	13	±	5	(A)	30	±	6	(A)	51	±	8	(A)	< 9,0	Η_	(A)
2022/11/18T11:00:00Z	< 4,0	Ė	-	(A)	11	±	4	(A)	15	±	5	(A)	< 9.0	11-	(A)
2022/11/18T12:00:00Z	< 4,0		-	(A)	7,4	±	4,2	(A)	11	±	4	(A)	< 9.0	Н_	(A)
2022/11/18T13:00:00Z	< 4,0		-	(A)	6,7	±	4,1	(A)	13	±	4	(A)	< 9,0	H-	(A)
2022/11/18T13:00:00Z	< 4,0		-	(A)	9,6	±	4,3	(A)	13	±	5	(A)	< 9,0	ΗĒ	(A)
2022/11/18T15:00:00Z	< 4,0		-	(A)	9,1	±	4,3	(A)	13	±	4	(A)	< 9,0	ΗĒ	(A)
2022/11/18T16:00:00Z	< 4,0		-	(A)	8,5	±	4,3	(A)	12	±	4	(A)	< 9,0	 -	(A)
2022/11/18T17:00:00Z	< 4,0		-	(A)	8,9	±	4,2	(A)	12	±	4	(A)	< 9.0	H	(A)
2022/11/18T17:00:00Z	9,2	1_	4,3	(A)	21	±	5	(A)	35	±	6	(A)	< 9,0	ΗĒ	(A)
2022/11/18T19:00:00Z	36	±	7	(A)	41	1	7	(A)	97	1	14	(A)	< 9.0	ΗĒ	(A)
2022/11/18T19:00:00Z	15	±	5	(A)	34	±	6	(A)	56	±	9	(A)	< 9,0	ΗĒ	(A)
2022/11/18T21:00:00Z	14	±	5	(A)	27	±	6	(A)	49	±	8	(A)	< 9,0	ΗĒ	(A)
2022/11/18T21:00:00Z	12	±	4	(A)	26	±	6	(A)	49	±	7	(A)	< 9,0	HĒ	(A)
2022/11/18T23:00:00Z	11	±	4	(A)	25	±	5	(A)	41	±	7	(A)	< 9,0	ΗĒ	(A)
2022/11/18T23:00:00Z	< 4,0	Ξ.	-	(A)	22	±	5	(A)	28	±	6	(A)	< 9,0	ΗĒ	(A)
2022/11/19T01:00:00Z	< 4,0		-	(A)	15	±	5	(A)	20	±	5	(A)	< 9,0	HĒ	(A)
2022/11/19T01:00:00Z	< 4,0		-	(A)	13	±	4	(A)	17	±	5	(A)	< 9,0	HĒ	(A)
2022/11/19T03:00:00Z	< 4,0		-	(A)	11	±	4	(A)	12	±	4	(A)	< 9,0	HĒ	(A)
2022/11/19T03:00:00Z	-		-	` '	11	±	4	(A)	16	±	5	` '		HĒ	(A)
2022/11/19T04:00:00Z	< 4,0 < 4,0		-	(A) (A)	8,5	±	4,2	(A)	12	±	4	(A) (A)	< 9,0 < 9,0	╁	(A)
2022/11/19T05:00:00Z	< 4,0		-	(A)	11	±	4,2	(A)	13	±	5	(A)	< 9,0	H-	(A)
2022/11/19T07:00:00Z	5,5	±	4,1	(A)	9,5	±	4,3	(A)	18	±	5	(A)	< 9,0	H-	(A)
2022/11/19T07:00:00Z	< 4,0	<u> </u>	-	(A)	8,8	±	4,2	(A)	15	±	5	(A)	< 9,0	H-	(A)
2022/11/19T09:00:00Z	17	±	5	(A)	15	±	5	(A)	41	±	7	(A)	< 9,0	H-	(A)
2022/11/19T10:00:00Z	15	±	5	(A)	21	±	5	(A)	44	±	7	(A)	< 9,0	Н.	(A)
2022/11/19T11:00:00Z	10	±	4	(A)	16	±	5	(A)	32	±	6	(A)	< 9,0	Η_	(A)
2022/11/19T12:00:00Z	< 4,0	Ė	-	(A)	9,7	±	4,3	(A)	15	±	5	(A)	< 9.0	11-	(A)
2022/11/19T13:00:00Z	< 4,0		-	(A)	7,4	±	4,2	(A)	11	±	4	(A)	< 9.0	Η_	(A)
2022/11/19T14:00:00Z	< 4,0		-	(A)	6,8	±	4,1	(A)	12	±	4	(A)	< 9,0	Η_	(A)
2022/11/19T15:00:00Z	< 4,0		_	(A)	12	±	4	(A)	16	±	5	(A)	< 9.0	11-	(A)
2022/11/19T16:00:00Z	< 4.0		_	(A)	10	±	4	(A)	15	±	5	(A)	< 9.0	Η_	(A)
2022/11/19T17:00:00Z	6,6	±	4,1	(A)	22	±	5	(A)	32	±	6	(A)	< 9,0	Η_	(A)
2022/11/19T18:00:00Z	9,6	±	4,3	(A)	22	±	5	(A)	37	±	7	(A)	< 9.0	11-	(A)
2022/11/19T19:00:00Z	4,7	±	4,0	(A)	18	±	5	(A)	26	±	5	(A)	< 9,0	Η_	(A)
2022/11/19T20:00:00Z	6,3	±	4,1	(A)	26	±	5	(A)	35	±	6	(A)	< 9,0	П-	(A)
2022/11/19T21:00:00Z	< 4,0	<u> </u>	-	(A)	20	±	5	(A)	24	±	5	(A)	< 9,0	Η_	(A)
2022/11/19T22:00:00Z	< 4,0		-	(A)	19	±	5	(A)	23	±	5	(A)	< 9,0	11-	(A)
2022/11/19T23:00:00Z	< 4,0		-	(A)	17	±	5	(A)	21	±	5	(A)	< 9,0	11-	(A)
2022/11/20T00:00:00Z	< 4,0		-	(A)	16	±	5	(A)	20	±	5	(A)	< 9,0	11-	(A)
2022/11/20T01:00:00Z	< 4,0		-	(*)	16	±	5	(*)	20	±	5	(*)	< 9,0	11-	(*)
2022/11/20T02:00:00Z	< 4,0		-	(*)	16	±	5	(*)	21	±	5	(*)	< 9,0	11-	(*)
2022/11/20T03:00:00Z	< 4,0		-	(*)	17	±	5	(*)	20	±	5	(*)	< 9,0	11-	(*)
2022/11/20T04:00:00Z	< 4,0		-	(*)	16	±	5	(*)	18	±	5	(*)	< 9,0	11-	(*)
2022/11/20T05:00:00Z	< 4,0		-	(*)	15	±	5	(*)	19	±	5	(*)	< 9,0	11-	(*)
2022/11/20T06:00:00Z	< 4,0		-	(*)	12	±	4	(*)	15	±	5	(*)	< 9,0	11-	(*)
2022/11/20T07:00:00Z	< 4,0		-	(*)	7,1	±	4,1	(*)	9,9	±	4,3	(*)	< 9,0	11-	(*)
		1		(*)		1		\ /		1			,		(*)
2022/11/20T08:00:00Z	< 4,0		-	()	8,1	±	4,2	(*)	9,8	±	4,3	(*)	< 9,0	-	()







Data	NO ± In	- F	vnan	dida	NO ₂ ± Ir	20	Evnan	dida	NOx ± I	nc	Evnan	dida	SO ₂ ± Inc.	Evna	ndida
Data		ug/i		ulua	_	μg/		ulua		μg/		Jiua	μg/		Ilulua
2022/11/20T10:00:00Z	5.0	1	4,0	(*)	12	±	4	(*)	19	μy/ ±	5	(*)	μg/ < 9.0		(*)
2022/11/20T10:00:00Z	- , -	±	4,0	(*)		1	5	(*)	25		5		,	<u> -</u>	(*)
	6,0	±		_ ` /	16	±		·		±		(*)	< 9,0		
2022/11/20T12:00:00Z 2022/11/20T13:00:00Z	5,3	±	4,0	(*)	13	±	4,2	(*)	21 13	±	5 4	(*)	< 9,0	ŀ	(*) (*)
2022/11/20T13:00:00Z	< 4,0 < 4,0		-	(*)	7,8 < 6,0	±	4,2	(*)	9,2	±	4,3	(*)	< 9,0 < 9,0	HĒ	(*)
2022/11/20T14:00:00Z	< 4,0			(*)	6,7	١.	4,1	(*)	12	±	4,3	(*)	< 9.0	H-	(*)
				_ ` /		±	-	(*)				_ ` /	,	HĒ	. ,
2022/11/20T16:00:00Z	< 4,0		-	(*)	8,5	±	4,2	(*)	15 15	±	5 5	(*)	< 9,0	╁┼╴	(*)
2022/11/20T17:00:00Z	< 4,0			_ ` /	9,1	±	4,3	·		±	4	_ ` /	< 9,0	╁	(*)
2022/11/20T18:00:00Z	< 4,0		-	(*)	6,1	±	4,1 4,2	(*)	11 13	±	4	(*)	< 9,0	₩-	(*)
2022/11/20T19:00:00Z 2022/11/20T20:00:00Z	< 4,0 < 4,0		-	(*)	8,3 7,1	±	4,2	(*)	11	±	4	(*)	< 9,0 < 9,0	╁┼╴	(*)
	· ·			(*)		±	4,1	(*)	7,3		4.2	(*)	< 9,0	H-	(*)
2022/11/20T21:00:00Z 2022/11/20T22:00:00Z	< 4,0		-	(*)	< 6,0			(*)	6,1	±	4,2 4,1	(*)	,	HĒ	(*)
	< 4,0		-	_ ` /	< 6,0		-	\ /		±			< 9,0	╁	· /
2022/11/20T23:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0	H⁻	(*)
2022/11/21T00:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0	H⁻	(*)
2022/11/21T01:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0	₩-	(*)
2022/11/21T02:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0	╁┼╴	(*)
2022/11/21T03:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0	H-	(*)
2022/11/21T04:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0	⊢	(*)
2022/11/21T05:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0	⊢	(*)
2022/11/21T06:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0	₩-	(*)
2022/11/21T07:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	7,8	±	4,2	(*)	< 9,0	₩-	(*)
2022/11/21T08:00:00Z	4,1	±	4,0	(*)	< 6,0		-	(*)	10	±	4	(*)	< 9,0	⊢	(*)
2022/11/21T09:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	7,0	±	4,1	(*)	< 9,0	⊢	(*)
2022/11/21T10:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	6,3	±	4,1	(*)	< 9,0	⊢	(*)
2022/11/21T11:00:00Z	5,6	±	4,1	(*)	12	±	4	(*)	21	±	5	(*)	< 9,0	⊢ -	(*)
2022/11/21T12:00:00Z	< 4,0		-	(*)	9,2	±	4,3	(*)	15	±	5	(*)	< 9,0	₩-	(*)
2022/11/21T13:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	6,4	±	4,1	(*)	< 9,0	₩-	(*)
2022/11/21T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	9,0	±	4,3	(A)	< 9,0	₩-	(A)
2022/11/21T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,5	±	4,2	(A)	< 9,0	-	(A)
2022/11/21T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,0	±	4,2	(A)	< 9,0	⊢ -	(A)
2022/11/21T17:00:00Z	< 4,0		-	(A)	8,9	±	4,2	(A)	10	±	4	(A)	< 9,0	⊢	(A)
2022/11/21T18:00:00Z	12	±	4	(A)	31	±	6	(A)	49	±	8	(A)	< 9,0	-	(A)
2022/11/21T19:00:00Z	5,6	±	4,1	(A)	15	±	5	(A)	24	±	5	(A)	< 9,0	-	(A)
2022/11/21T20:00:00Z	5,5	±	4,0	(*)	17	±	5	(*)	25	±	5	(*)	< 9,0	-	(*)
2022/11/21T21:00:00Z	< 4,0		-	(*)	17	±	5	(*)	22	±	5	(*)	< 9,0	↓ -	(*)
2022/11/21T22:00:00Z	< 4,0		-	(*)	14	±	5	(*)	17	±	5	(*)	< 9,0	-	(*)
2022/11/21T23:00:00Z	< 4,0		-	(*)	11	±	4	(*)	15	±	5	(*)	< 9,0	-	(*)
2022/11/22T00:00:00Z	< 4,0		-	(*)	13	±	4	(*)	15	±	5	(*)	< 9,0	-	(*)
2022/11/22T01:00:00Z	< 4,0	<u> </u>	-	(*)	8,1	±	4,2	(*)	12	±	4	(*)	< 9,0	-	(*)
2022/11/22T02:00:00Z	< 4,0	<u> </u>	-	(*)	< 6,0		-	(*)	8,2	±	4,2	(*)	< 9,0	⊢	(*)
2022/11/22T03:00:00Z	< 4,0	<u> </u>	-	(*)	< 6,0		-	(*)	7,0	±	4,1	(*)	< 9,0	⊢	(*)
2022/11/22T04:00:00Z	< 4,0	<u> </u>	-	(*)	< 6,0		-	(*)	7,3	±	4,1	(*)	< 9,0	⊢	(*)
2022/11/22T05:00:00Z	< 4,0	<u> </u>	-	(*)	6,2	±	4,1	(*)	7,6	±	4,2	(*)	< 9,0	-	(*)
2022/11/22T06:00:00Z	< 4,0	<u> </u>	-	(*)	8,8	±	4,2	(*)	12	±	4	(*)	< 9,0	-	(*)
2022/11/22T07:00:00Z	< 4,0	<u> </u>	-	(*)	9,9	±	4,3	(*)	14	±	5	(*)	< 9,0	-	(*)
2022/11/22T08:00:00Z	5,3	±	4,0	(*)	9,3	±	4,3	(*)	17	±	5	(*)	< 9,0	-	(*)
2022/11/22T09:00:00Z	7,0	±	4,1	(*)	13	±	4	(*)	23	±	5	(*)	< 9,0	-	(*)
2022/11/22T10:00:00Z	4,9	±	4,0	(*)	14	±	5	(*)	22	±	5	(*)	< 9,0	∐-	(*)
2022/11/22T11:00:00Z	< 4,0	<u> </u>	-	(*)	14	±	5	(*)	19	±	5	(*)	< 9,0	-	(*)
2022/11/22T12:00:00Z	< 4,0	<u> </u>	-	(*)	12	±	4	(*)	18	±	5	(*)	< 9,0	-	(*)
2022/11/22T13:00:00Z	5,9	±	4,1	(*)	12	±	4	(*)	21	±	5	(*)	< 9,0	-	(*)

Este Relatório só pode ser reproduzido na íntegra, exceto quando seja autorizado pela SondarLab, Lda. O conteúdo deste relatório é confidencial, devendo a SondarLab, Lda. respeitar esse direito. Relatório elaborado pela SondarLab em 2023/04/28 a pedido de MUNICÍPIO DE VALE DE CAMBRA

PAC acreditação



Data	NO ± In	ıc. E	Expan	dida	NO ₂ ± Ir	nc.	Expan	dida	NOx ± I	nc.	Expand	dida	SO ₂ ± Inc. I	Ξхра	ındida
		μg/ı	m³			μg/	m³			μg/	m³		μg/i	m³	
2022/11/22T14:00:00Z	5,0	±	4,0	(*)	9,5	±	4,3	(*)	17	±	5	(*)	< 9,0	-	(*)
2022/11/22T15:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	9,5	±	4,3	(*)	< 9,0	-	(*)
2022/11/22T16:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	8,5	±	4,2	(*)	< 9,0	-	(*)
2022/11/22T17:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	7,7	±	4,2	(*)	< 9,0	-	(*)
2022/11/22T18:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	8,8	±	4,2	(*)	< 9,0	-	(*)
2022/11/22T19:00:00Z	< 4,0		-	(*)	6,5	±	4,1	(*)	11	±	4	(*)	< 9,0	-	(*)
2022/11/22T20:00:00Z	< 4,0		-	(*)	6,5	±	4,1	(*)	9,6	±	4,3	(*)	< 9,0	-	(*)
2022/11/22T21:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		•	(*)	< 9,0	-	(*)
2022/11/22T22:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	6,2	±	4,1	(*)	< 9,0	-	(*)
2022/11/22T23:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	6,1	±	4,1	(*)	< 9,0	-	(*)
2022/11/23T00:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		•	(*)	< 9,0	-	(*)
2022/11/23T01:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	6,0	±	4,1	(*)	< 9,0	-	(*)
2022/11/23T02:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		•	(*)	< 9,0	-	(*)
2022/11/23T03:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		•	(*)	< 9,0	-	(*)
2022/11/23T04:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		•	(*)	< 9,0	-	(*)
2022/11/23T05:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		•	(*)	< 9,0	-	(*)
2022/11/23T06:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0	-	(*)
2022/11/23T07:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0			(*)	< 9,0	-	(*)
2022/11/23T08:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	7,5	±	4,2	(*)	< 9,0	-	(*)
2022/11/23T09:00:00Z	4,1	±	4,0	(*)	12	±	4	(*)	18	±	5	(*)	< 9,0	-	(*)
2022/11/23T10:00:00Z	4,2	±	4,0	(*)	14	±	5	(*)	20	±	5	(*)	< 9,0	-	(*)
2022/11/23T11:00:00Z	4,4	±	4,0	(*)	16	±	5	(*)	22	±	5	(*)	< 9,0	-	(*)
2022/11/23T12:00:00Z	< 4,0		-	(*)	9,0	±	4,3	(*)	12	±	4	(*)	< 9,0	-	(*)
2022/11/23T13:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	8,6	±	4,2	(*)	< 9,0	_	(*)
2022/11/23T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,4	±	4,2	(A)	< 9,0	-	(A)
2022/11/23T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,9	±	4,2	(A)	< 9,0	_	(A)
2022/11/23T16:00:00Z	< 4,0		-	(A)	8,5	±	4,2	(A)	12	±	4	(A)	< 9,0	-	(A)
2022/11/23T17:00:00Z	5,0	±	4,0	(A)	17	±	5	(A)	25	±	5	(A)	< 9,0	-	(A)
2022/11/23T18:00:00Z	48	±	8	(A)	36	±	6	(A)	110	±	16	(A)	< 9,0	-	(A)
2022/11/23T19:00:00Z	74	±	11	(*)	21	±	5	(*)	135	±	19	(*)	< 9,0	-	(*)
2022/11/23T20:00:00Z	97	±	14	(*)	< 6,0		-	(*)	153	±	21	(*)	< 9,0	_	(*)
2022/11/23T21:00:00Z	7,7	±	4,2	(*)	26	±	5	(*)	37	±	7	(*)	< 9,0		(*)
2022/11/23T22:00:00Z	< 4,0		-	(*)	16	±	5	(*)	22	±	5	(*)	< 9,0	_	(*)
2022/11/23T23:00:00Z	4,2	±	4,0	(*)	12	±	4	(*)	18	±	5	(*)	< 9,0		(*)
2022/11/24T00:00:00Z	< 4,0		-	(*)	11	±	4	(*)	14	±	5	(*)	< 9,0	∐-	(*)
A – Valor Horário Acredita	do														

A - Valor Horário Acreditado

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 15 – Resultados médios diários referentes às medições realizadas no ponto de medição P1 – 5ª Campanha

Período de Integração	24	1H			24H		24	1H		24H	
Data	NO ± Ir	nc. E	хр.	NO2	± Inc	. Ехр.	NOx ± I	nc. Ex	p.	SO2 ± Inc. Exp	Э.
Dala	μg/m³ 5,4 ± 4,0				µg/m	3	μg	/m³		μg/m³	
17/11/2022				10	±	4	18	±	4	< 9,0	-
18/11/2022	7,2	7,2 ± 4,1			±	4	28	±	5	< 9,0	-
19/11/2022	4,9	7,2 ± 4,1		14	±	4	22	±	5	< 9,0	-
20/11/2022	< 4,0		-	9,5	±	4,1	14	±	4	< 9,0	-
21/11/2022	< 4,0		-	8,3	±	4,1	13	±	4	< 9,0	-
22/11/2022	< 4,0		-	7,4	±	4,1	12	±	4	< 9,0	-



Período de Integração	24	ŀΗ			24H		24	4H		24H	
Data	NO ± Ir	ıc. E	хр.	NO2 :	± Inc	. Exp.	NOx ± I	nc. Ex	p.	SO2 ± Inc. Exp	o.
Dala	μg/	m³		ŀ	ıg/m	3	μg	/m³		μg/m³	
23/11/2022	12	±	4	10	±	4	28	±	5	< 9,0	-

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 16 – Condições de temperatura e humidade relativa no interior do abrigo onde foram realizados os ensaios de medição – 5ª campanha

Indicador estatístico	Humidade Relativa (%) [*]	Temperatura (°C) [*]
Média	81	15
Máximo Horário	91	20
Mínimo Horário	62	9

^{[*] –} Ensaio fora do âmbito da acreditação da Sondarlab, Lda.

P1 - 6° CAMPANHA (06 A 19/01/2023)

Tabela 17 – Resultados horários referentes às medições realizadas no ponto de medição P1 – 6ª Campanha

Data	NO + Inc	c. Expand	lida NO2+	Inc. Expar	ndida	NOx ± I	nc F	ynar	dida	SO ₂ ± In	c F	xna	ndida		_	± In	
Duta		ig/m³	1102 1	µg/m³	ididd	NOX 1	µg/n		uiuu		ug/n		inaiaa		μg/		u
2023/01/06T01:00:00Z	EQUP	-	EQUP			EQUP	J. J.	-		< 9.0	J	-	(A)				T
2023/01/06T02:00:00Z	EQUP	-	EQUP	-		EQUP		-		< 9.0		-	(A)	,,		•	(
2023/01/06T03:00:00Z	EQUP	-	EQUP	-		EQUP		-		< 9,0		-	(A)	11	±	9	١
2023/01/06T04:00:00Z	EQUP	-	EQUP	-		EQUP		-		< 9,0		-	(A)				'
2023/01/06T05:00:00Z	EQUP	-	EQUP	-		EQUP		-		< 9,0		-	(A)				Ī.,
2023/01/06T06:00:00Z	EQUP	-	EQUP	-		EQUP				< 9,0		-	(A)	22	١. ا	10	(
2023/01/06T07:00:00Z	EQUP	-	EQUP	-		EQUP		-		< 9,0		-	(A)	22	±	10	۱
2023/01/06T08:00:00Z	EQUP	-	EQUP	-		EQUP		-		< 9,0		•	(A)				′
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2023/01/09T02:00:00Z			-		-		+	1				-	A)

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acreditação

L0353
ISO/IEC 17025
Ensaios



Data	NO ± Inc. I	Expandida	NO ₂ ± Inc	. Expandida	NOx ± Inc.	Expandida	SO ₂ ± Inc	с. Ехра	ndida			± Inc	
	μg/	m³	μ	g/m³	μg	/m³	μ	g/m³			μg/	m³	
2023/01/09T04:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	•	(A)				
2023/01/09T05:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	•	(A)				,
2023/01/09T06:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	•	(A)	<			(A
2023/01/09T07:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0		(A)	10		-	7
2023/01/09T08:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
2023/01/09T09:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
2023/01/09T10:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0		(A)	<			(
2023/01/09T11:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	10		-	٨
2023/01/09T12:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
2023/01/09T13:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0		(A)				
2023/01/09T14:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	<			(
2023/01/09T15:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	10		-	٨
2023/01/09T16:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
2023/01/09T17:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2023/01/09T18:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	4-7		4.0	(
2023/01/09T19:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	17	±	10	٨
2023/01/09T20:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
2023/01/09T21:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2023/01/09T22:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)			4.0	(
2023/01/09T23:00:00Z	EQUP	-	EQUP	- 1	EQUP	-	< 9,0	-	(A)	37	±	10	٨
2023/01/10T00:00:00Z	EQUP	-	EQUP	- 1	EQUP	-	< 9,0	-	(A))
2023/01/10T01:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2023/01/10T02:00:00Z	EQUP	-	EQUP	- 1	EQUP	-	< 9,0	-	(A)			4.0	(
2023/01/10T03:00:00Z	EQUP	-	EQUP	- 1	EQUP	-	< 9,0	-	(A)	42	±	10	٨
2023/01/10T04:00:00Z	EQUP	-	EQUP	- 1	EQUP	-	< 9,0	-	(A)				,
2023/01/10T05:00:00Z	EQUP	-	EQUP	- 1	EQUP	-	< 9,0	-	(A)				
2023/01/10T06:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)			4.0	(
2023/01/10T07:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	40	±	10	٨
2023/01/10T08:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
2023/01/10T09:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				_
2023/01/10T10:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)			4.0	(
2023/01/10T11:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	29	±	10	٨
2023/01/10T12:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
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2023/01/10T15:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	22	±	10	٨
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2023/01/10T19:00:00Z	EQUP	-	EQUP	-	EQUP	_	< 9,0	-	(A)	18	±	10	A
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2023/01/10T21:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
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2023/01/10T23:00:00Z	EQUP	-	EQUP	1 - 1	EQUP	-	< 9,0	-	(A)	20	±	10	٨
2023/01/11T00:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A))
2023/01/11T01:00:00Z	EQUP	-	EQUP	1 - 1	EQUP	-	< 9,0	-	(A)		Ħ		
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2023/01/11T03:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	1-	(A)	14	±	10	۸
2023/01/11T04:00:00Z	EQUP	-	EQUP	1 - 1	EQUP	-	< 9,0	-	(A))
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2023/01/11T06:00:00Z	EQUP	-	EQUP	-	EQUP	1 - 1	< 9,0	-	(A)	13	±	9	

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Pac acreditação



Data	NO ± Inc	c. Expandida	NO ₂ ± Ir	nc. Expandida	NOx ± In	nc. Expandida	SO ₂ ± In	с. Ехра	ndida		-	± Inc	
		ıg/m³		µg/m³	ŀ	ug/m³	μ	ıg/m³			μg/	m³	
2023/01/11T07:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				(
2023/01/11T08:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				A)
2023/01/11T09:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
2023/01/11T10:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	<			(
2023/01/11T11:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	10		-	٨
2023/01/11T12:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
2023/01/11T13:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				
2023/01/11T14:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	<			(
2023/01/11T15:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	10		-	٨
2023/01/11T16:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)				,
2023/01/11T17:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	_	(A)				
2023/01/11T18:00:00Z	EQUP	_	EQUP	-	EQUP	-	< 9,0	_	(A)				(
2023/01/11T19:00:00Z	EQUP	_	EQUP	-	EQUP	-	< 9,0	_	(A)	17	±	10	۸
2023/01/11T20:00:00Z	EQUP	_	EQUP	-	EQUP		< 9,0	_	(A))
2023/01/11T21:00:00Z	EQUP	_	EQUP	_	EQUP	_	< 9,0	_	(A)				
2023/01/11T22:00:00Z	EQUP	_	EQUP	_	EQUP	<u> </u>	< 9,0	_	(A)				(
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2023/01/12T00:00:00Z	EQUP	_	EQUP	_	EQUP	_	< 9,0	_	(A))
2023/01/12T01:00:00Z	EQUP	-	EQUP	_	EQUP	_	< 9,0	_	(A)				
2023/01/12T02:00:00Z	EQUP		EQUP	_	EQUP	_	< 9,0	_	(A)				(
2023/01/12T02:00:00Z	EQUP		EQUP		EQUP	_	< 9,0	_	(A)	23	±	10	Á
2023/01/12T04:00:00Z	EQUP		EQUP		EQUP	- -	< 9,0		(A))
2023/01/12T04:00:00Z	EQUP	- -	EQUP	-	EQUP	-	< 9,0		(A)				
2023/01/12T06:00:00Z	EQUP		EQUP	_	EQUP		< 9,0		(A)				(
2023/01/12T07:00:00Z	EQUP		EQUP	-	EQUP	-	< 9,0		(A)	20	±	10	Á
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2023/01/12T10:00:00Z	EQUP		EQUP	_	EQUP	<u> </u>	< 9,0	_	(A)				(
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2023/01/12T11:00:00Z	EQUP		EQUP		EQUP	<u> </u>	< 9,0		(A))
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2023/01/12T15:00:00Z	EQUP	 	EQUP	_	EQUP	1 -	< 9,0		(A)	17	±	10	Α
2023/01/12T16:00:00Z	EQUP		EQUP		EQUP		< 9,0		(A))
2023/01/12T17:00:00Z	EQUP	- - -	EQUP		EQUP	 - -	< 9,0						
2023/01/12T17:00:00Z	EQUP	- - -	EQUP		EQUP	+ -	< 9,0		(A) (A)				(
2023/01/12T19:00:00Z	EQUP	- - -	EQUP	- - -	EQUP	 	< 9,0		(A)	21	±	10	Α
2023/01/12T19.00.00Z	EQUP		EQUP		EQUP		< 9,0		(A))
2023/01/12T20:00:00Z	EQUP	- -	EQUP		EQUP	-	< 9,0		(A)				
2023/01/12T21:00:00Z 2023/01/12T22:00:00Z	EQUP	 	EQUP		EQUP	-	< 9,0	-	(A)				(
2023/01/12T22:00:00Z	EQUP	-	EQUP	-	EQUP	-				36	±	10	À
	EQUP	-	EQUP	-	EQUP	-	< 9,0		(A))
2023/01/13T00:00:00Z	EQUP		EQUP		EQUP		< 9,0		(A)				
2023/01/13T01:00:00Z	EQUP		EQUP		EQUP	-	< 9,0		(A)				(
2023/01/13T02:00:00Z	EQUP		EQUP		EQUP		< 9,0		(A)	29	±	10	À
2023/01/13T03:00:00Z	EQUP	 	EQUP		EQUP		< 9,0		(A))
2023/01/13T04:00:00Z	EQUP		EQUP	-	EQUP		< 9,0		(A)				
2023/01/13T05:00:00Z	EQUP		EQUP	-	EQUP	-	< 9,0		(A)				(
2023/01/13T06:00:00Z	EQUP		EQUP	-	EQUP	-	< 9,0	-	(A)	23	±	10	À
2023/01/13T07:00:00Z	EQUP		EQUP	-	EQUP	-	< 9,0		(A))
2023/01/13T08:00:00Z			_	-		-	< 9,0		(A)	20		10	
2023/01/13T09:00:00Z	EQUP	-	EQUP	-	EQUP	-	< 9,0	-	(A)	20	±	10	

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PAC acreditação



Data	NO ± Inc	c. Ex	kpand	lida	NO ₂ ± I	nc. I	Expan	dida	NOx ±	Inc.	Expar	ndida	SO ₂ ± In	c. E	хра	ndida			± In	
	ŀ	ıg/m	1 ³			μg/i	m³			μg/	m³		ļ	ug/m	1 ³			μg/	m³	
2023/01/13T10:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0		-	(A)				(
2023/01/13T11:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0		-	(A)				À
2023/01/13T12:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0		-	(A))
2023/01/13T13:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2023/01/13T14:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0		-	(A)			0	(
2023/01/13T15:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0		-	(A)	14	±	9	٨
2023/01/13T16:00:00Z	EQUP		-		EQUP		-		EQUP		-				-					,
2023/01/13T17:00:00Z	EQUP		-		EQUP		-		EQUP		-		< 9,0		-	(A)				
2023/01/13T18:00:00Z	23	±	5	(A)	45	±	7	(A)	80	±	12	(A)	< 9,0		-	(A)	22		40	(
2023/01/13T19:00:00Z	24	±	5	(A)	49	±	8	(A)	86	±	12	(A)	< 9,0			(A)	22	±	10	٨
2023/01/13T20:00:00Z	17	±	5	(A)	32	±	6	(A)	59	±	9	(A)	< 9,0		-	(A)				,
2023/01/13T21:00:00Z	14	±	5	(A)	27	±	6	(A)	49	±	8	(A)	< 9,0		-	(A)				
2023/01/13T22:00:00Z	13	±	4	(A)	23	±	5	(A)	42	±	7	(A)	< 9,0			(A)	36		40	(
2023/01/13T23:00:00Z	13	±	4	(A)	20	±	5	(A)	40	±	7	(A)	< 9,0		-	(A)	36	±	10	٨
2023/01/14T00:00:00Z	16	±	5	(A)	16	±	5	(A)	40	±	7	(A)	< 9,0		-	(A)				,
2023/01/14T01:00:00Z	10	±	4	(A)	14	±	5	(A)	30	±	6	(A)	< 9,0		-	(A)				
2023/01/14T02:00:00Z	8,4	±	4,2	(A)	15	±	5	(A)	28	±	6	(A)	< 9,0		-	(A)	20		40	(
2023/01/14T03:00:00Z	4,0	±	4,0	(A)	14	±	5	(A)	20	±	5	(A)	< 9,0		-	(A)	36	±	10	٨
2023/01/14T04:00:00Z	< 4,0		-	(A)	11	±	4	(A)	16	±	5	(A)	< 9,0		-	(A)				,
2023/01/14T05:00:00Z	< 4,0		-	(A)	8,2	±	4,2	(A)	11	±	4	(A)	< 9,0		-	(A)				
2023/01/14T06:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,5	±	4,2	(A)	< 9,0		-	(A)			40	(
2023/01/14T07:00:00Z	< 4,0		-	(A)	9,4	±	4,3	(A)	12	±	4	(A)	< 9,0		-	(A)	30	±	10	٨
2023/01/14T08:00:00Z	< 4.0		-	(A)	13	±	5	(A)	17	±	5	(A)	< 9,0		-	(A)				,
2023/01/14T09:00:00Z	14	±	5	(A)	29	±	6	(A)	51	±	8	(A)	< 9,0		-	(A)				
2023/01/14T10:00:00Z	4,7	±	4,0	(A)	19	±	5	(A)	27	±	6	(A)	< 9,0		-	(A)			40	(
2023/01/14T11:00:00Z	< 4,0		-	(A)	11	±	4	(A)	16	±	5	(A)	< 9,0		-	(A)	24	±	10	٨
2023/01/14T12:00:00Z	< 4,0		-	(A)	7,4	±	4,2	(A)	11	±	4	(A)	< 9,0		-	(A)				,
2023/01/14T13:00:00Z	< 4,0		-	(A)	7,8	±	4,2	(A)	13	±	4	(A)	< 9,0		-	(A)				
2023/01/14T14:00:00Z	< 4,0		-	(A)	7,3	±	4,2	(A)	12	±	4	(A)	< 9,0		-	(A)	47		40	(
	< 4,0		-	(A)	7,3	±	4,2	(A)	11	±	4	(A)	< 9,0		-	(A)	17	±	10	٨
2023/01/14T16:00:00Z	< 4,0		-	(A)	9,4	±	4,3	(A)	13	±	5	(A)	< 9,0		-	(A)				,
2023/01/14T17:00:00Z	< 4,0		-	(A)	12	±	4	(A)	16	±	5	(A)	< 9,0		-	(A)				
2023/01/14T18:00:00Z	< 4,0		-	(A)	12	±	4	(A)	14	±	5	(A)	< 9,0		-	(A)	40		^	(
2023/01/14T19:00:00Z	< 4,0		-	(A)	18	±	5	(A)	24	±	5	(A)	< 9,0		-	(A)	12	±	9	٨
	< 4,0		-	(A)	20	±	5	(A)	25	±	5	(A)	< 9,0		-	(A)				,
	< 4,0		-	(A)	18	±	5	(A)	22	±	5	(A)	< 9,0		-	(A)				
2023/01/14T22:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	40		0	(
2023/01/14T23:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,5	±	4,1	(A)	< 9,0		-	(A)	13	±	9	٨
	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				,
	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	۱.,		•	(
	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	13	±	9	٨
	< 4,0		-	(A)	< 6,0		_	(A)	< 6,0		-	(A)	< 9,0		-	(A)				,
	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	<			(
	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	10		-	٨
	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A))
	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)		П		
	< 4,0		-	(A)	8,8	±	4,2	(A)	14	±	5	(A)	< 9,0		-	(A)	<			(
	< 4,0		-	(A)	< 6,0	_	-	(A)	< 6,0	_	-	(A)	< 9,0		-	(A)	10		-	٨
2023/01/15T11:00:00Z																				1)





Data	NO ± In	ıc E	vnanc	lida	NO ₂ ± I	nc l	Evnan	hdida	NOx ±	Inc	Evnar	ndida	SO ₂ ± In	c Ev	'na	ndida			± Indid	
Data		µg/n		ilua	1102 ± 1	μg/i		lalaa	IVOX ±	μg/		lalaa	_	ug/m	•	iluluu		µg/		
2023/01/15T13:00:00Z	< 4,0	ug/II	_	(A)	< 6,0	μg/i	-	(A)	< 6.0	μg/	-	(A)	< 9.0	19/111	_ T	(A)		M9/		
2023/01/15T14:00:00Z	< 4,0		_	(A)	< 6.0		_	(A)	< 6,0		_	(A)	< 9,0		_	(A)	<			(
2023/01/15T15:00:00Z	< 4,0			(A)	< 6,0		_	(A)	< 6,0		_	(A)	< 9,0		_	(A)	10		-	Á
2023/01/15T16:00:00Z	< 4,0		-	(A)	< 6,0		_	(A)	< 6,0		_	(A)	< 9,0		_	(A))
2023/01/15T17:00:00Z	< 4,0		-	(A)	< 6,0		_	(A)	< 6,0		_	(A)	< 9,0		-	(A)				
2023/01/15T18:00:00Z	< 4,0		-	(A)	13	±	4	(A)	15	±	5	(A)	< 9,0		_	(A)				(
2023/01/15T19:00:00Z	< 4,0		-	(A)	22	±	5	(A)	26	±	6	(A)	< 9,0		-	(A)	13	±	9	Α
2023/01/15T19:00:00Z	< 4,0		-	(A)	16	±	5	(A)	21	±	5	(A)	< 9,0		-	(A))
2023/01/15T20:00:00Z	< 4,0		-	(A)	17	±	5	(A)	20	±	5	(A)	< 9,0		-	(A)				
2023/01/15T21:00:00Z	4,4	±	4,0	(A)	24	±	5	(A)	30	±	6	(A)	< 9,0		-					(
	< 4,0		4,0	` '	17		5	` '	21	±	5	` ′		H	-	(A)	35	±	10	À
2023/01/15T23:00:00Z	-		-	(A)		± .	4,2	(A)	11		4	(A)	< 9,0	H	-	(A))
2023/01/16T00:00:00Z	< 4,0		-	(A)	9,0	±		(A)		±		(A)	< 9,0		-	(A)				-
2023/01/16T01:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	\vdash	-	(A)				(
2023/01/16T02:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	\vdash	-	(A)	31	±	10	À
2023/01/16T03:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	\vdash	-	(A))
2023/01/16T04:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	-	-	(A)				<u> </u>
2023/01/16T05:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				(
2023/01/16T06:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	27	±	10	À
2023/01/16T07:00:00Z	< 4,0		-	(A)	7,1	±	4,1	(A)	11	±	4	(A)	< 9,0	\vdash	-	(A))
2023/01/16T08:00:00Z	< 4,0		-	(A)	8,1	±	4,2	(A)	12	±	4	(A)	< 9,0		-	(A)				\vdash
2023/01/16T09:00:00Z	< 4,0		-	(A)	8,8	±	4,2	(A)	11	±	4	(A)	< 9,0	\vdash	-	(A)				(
2023/01/16T10:00:00Z	< 4,0		-	(A)	6,6	±	4,1	(A)	8,6	±	4,2	(A)	< 9,0		-	(A)	27	±	10	À
2023/01/16T11:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,2	±	4,1	(A)	< 9,0		-	(A))
2023/01/16T12:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,7	±	4,1	(A)	< 9,0		-	(A)				<u> </u>
2023/01/16T13:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,4	±	4,1	(A)	< 9,0		-	(A)				(
2023/01/16T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	25	±	10	À
2023/01/16T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	-	-	(A))
2023/01/16T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,8	±	4,1	(A)	< 9,0		-	(A)				<u> </u>
2023/01/16T17:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,0	±	4,1	(A)	< 9,0		-	(A)				1
2023/01/16T18:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,8	±	4,1	(A)	< 9,0		-	(A)	24	±	10	À
2023/01/16T19:00:00Z	< 4,0		-	(A)	7,5	±	4,2	(A)	11	±	4	(A)	< 9,0		-	(A))
2023/01/16T20:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,0	±	4,1	(A)	< 9,0		-	(A)				<u> </u>
2023/01/16T21:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				1
2023/01/16T22:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	19	±	10	À
2023/01/16T23:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A))
2023/01/17T00:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				<u> </u>
2023/01/17T01:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				,
2023/01/17T02:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	15	±	10	A
2023/01/17T03:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)		_	10)
2023/01/17T04:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				Ĺ
2023/01/17T05:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				,
2023/01/17T06:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	11	±	9	(A
2023/01/17T07:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)		-	3	(
2023/01/17T08:00:00Z	< 4,0			(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				Ĺ
2023/01/17T09:00:00Z	< 4,0		-	(A)	10	±	4	(A)	15	±	5	(A)	< 9,0		-]	(A)				,
2023/01/17T10:00:00Z	< 4,0		-	(A)	11	±	4	(A)	14	±	5	(A)	< 9,0		-]	(A)	<		_	(
2023/01/17T11:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)		$\coprod \mathbb{I}$	_]		10		-)
2023/01/17T12:00:00Z	< 4,0			(*)	< 6,0		-	(*)	< 6,0		-	(*)								Ľ
2023/01/17T13:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)				(
2023/01/17T14:00:00Z	< 4,0		_	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)	10		-	*
2023/01/17T15:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)	10)

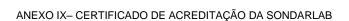
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Data	NO ± In		•	dida	NO ₂ ± l			ıdida	NOx ±		•	ndida	SO ₂ ± In			ındida		кра	± In	
		μg/n	1 ³			μg/				μg/				ug/n	n³			μg/	m³	
2023/01/17T16:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)				
2023/01/17T17:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)				(
2023/01/17T18:00:00Z	< 4,0		-	(*)	9,9	±	4,3	(*)	11	±	4	(*)	< 9,0		-	(*)	10		-	*
2023/01/17T19:00:00Z	< 4,0		-	(*)	8,5	±	4,2	(*)	11	±	4	(*)	< 9,0		-	(*)	10)
2023/01/17T20:00:00Z	< 4,0		-	(*)	7,1	±	4,1	(*)	8,0	±	4,2	(*)	< 9,0		-	(*)				-
2023/01/17T21:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)				(
2023/01/17T22:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)	11	±	9	*
2023/01/17T23:00:00Z	< 4,0		-	(*)	11	±	4	(*)	14	±	5	(*)	< 9,0		-	(*))
2023/01/18T00:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)				-
2023/01/18T01:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)				(
2023/01/18T02:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)	11	±	9	*
2023/01/18T03:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*))
2023/01/18T04:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)				
2023/01/18T05:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*)				(
2023/01/18T06:00:00Z	< 4,0		-	(*)	6,8	±	4,1	(*)	8,3	±	4,2	(*)	< 9,0		-	(*)	11	±	9	*
2023/01/18T07:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	< 6,0		-	(*)	< 9,0		-	(*))
2023/01/18T08:00:00Z	5,7	±	4,1	(*)	22	±	5	(*)	31	±	6	(*)	< 9,0		-	(*)				-
2023/01/18T09:00:00Z	16	±	5	(*)	49	±	8	(*)	74	±	11	(*)	< 9,0		-	(*)				(
2023/01/18T10:00:00Z	22	±	5	(*)	46	±	8	(*)	80	±	12	(*)	< 9,0		-	(*)	<		-	*
2023/01/18T11:00:00Z	< 4,0		-	(*)	< 6,0		-	(*)	6,4	±	4,1	(*)	< 9,0		-	(*)	10)
2023/01/18T12:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,6	±	4,1	(A)	< 9,0		-	(A)				<u> </u>
2023/01/18T13:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				(
2023/01/18T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,8	±	4,1	(A)	< 9,0		-	(A)	<		-	À
2023/01/18T15:00:00Z	< 4,0		-	(A)	7,2	±	4,1	(A)	9,7	±	4,3	(A)	< 9,0		-	(A)	10)
2023/01/18T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,3	±	4,2	(A)	< 9,0		-	(A)				<u> </u>
2023/01/18T17:00:00Z	< 4,0		-	(A)	12	±	4	(A)	16	±	5	(A)	< 9,0		-	(A)				(
2023/01/18T18:00:00Z	< 4,0		-	(A)	9,8	±	4,3	(A)	11	±	4	(A)	< 9,0		-	(A)	16	±	10	À
2023/01/18T19:00:00Z	10	±	4	(A)	37	±	7	(A)	53	±	8	(A)	< 9,0		-	(A))
2023/01/18T20:00:00Z	14	±	5	(A)	35	±	6	(A)	58	±	9	(A)	< 9,0		-	(A)				<u> </u>
2023/01/18T21:00:00Z	11	±	4	(A)	42	±	7	(A)	59	±	9	(A)	< 9,0		-	(A)				(
2023/01/18T22:00:00Z	< 4,0		-	(A)	22	±	5	(A)	27	±	6	(A)	< 9,0		-	(A)	29	±	10	À
2023/01/18T23:00:00Z	< 4,0		-	(A)	17	±	5	(A)	21	±	5	(A)	< 9,0		-	(A))
2023/01/19T00:00:00Z	< 4,0		-	(A)	15	±	5	(A)	18	±	5	(A)	< 9,0		-	(A)				-
2023/01/19T01:00:00Z	< 4,0		-	(A)	12	±	4	(A)	15	±	5	(A)	< 9,0		-	(A)				(
2023/01/19T02:00:00Z	< 4,0		-	(A)	7,0	±			8,1	±			< 9,0		-	(A)	25	±	10	À
2023/01/19T03:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A))
2023/01/19T04:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				<u> </u>
2023/01/19T05:00:00Z	< 4,0		-	(A)	6,1	±	4,1	(A)	6,9	±	4,1	(A)	< 9,0		-	(A)				(
2023/01/19T06:00:00Z	5,1	±	4,0	(A)	13	±	5	(A)	21	±	5	(A)	< 9,0		-	(A)	22	±	10	À
2023/01/19T07:00:00Z	17	±	5	(A)	18	±	5	(A)	44	±	7	(A)	< 9,0		-	(A))
2023/01/19T08:00:00Z	44	±	7	(A)	24	±	5	(A)	91	±	13	(A)	< 9,0		-	(A)				
2023/01/19T09:00:00Z	75	±	11	(A)	25	±	5	(A)	140	±	20	(A)	< 9,0		-	(A)				1
2023/01/19T10:00:00Z	60	±	9	(A)	28	±	6	(A)	120	±	17	(A)	< 9,0		-	(A)	31	±	10	À
2023/01/19T11:00:00Z	43	±	7	(A)	34	±	6	(A)	100	±	14	(A)	< 9,0		-	(A))
2023/01/19T12:00:00Z	17	±	5	(A)	31	±	6	(A)	57	±	9	(A)	< 9,0		-	(A)				<u> </u>
2023/01/19T13:00:00Z	6,4	±	4,1	(A)	19	±	5	(A)	29	±	6	(A)	< 9,0		-	(A)				1
2023/01/19T14:00:00Z	7,1	±	4,1	(A)	18	±	5	(A)	29	±	6	(A)	< 9,0		-	(A)	23	±	10	À
2023/01/19T15:00:00Z	< 4,0		-	(A)	11	±	4	(A)	16	±	5	(A)	< 9,0		-	(A))
2023/01/19T16:00:00Z	< 4,0		-	(A)	7,3	±	4,2	(A)	11	±	4	(A)	< 9,0		-	(A)				-
2023/01/19T17:00:00Z	< 4,0		-	(A)	7,6	±	4,2	(A)	11	±	4	(A)	< 9,0		-	(A)	17	±	10	
2023/01/19T18:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		<u> </u>	(A)				<u> </u>







Data	NO ± In	c. Ex	panc	lida	NO ₂ ± I	nc. I	Expar	ndida	NOx ±	Inc.	Expar	ndida	SO ₂ ± In	c. E	хра	ndida	/110± li cpandi	
		µg/m	3			μg/ı	m³			μg/	m³		ļ	ug/m	3		μg/m³	
2023/01/19T19:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		•	(A)	< 9,0		1	(A)		(
2023/01/19T20:00:00Z	< 4,0			(A)	< 6,0			(A)	< 6,0			(A)	< 9,0			(A)		A)
2023/01/19T21:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		1	(A)	< 9,0		-	(A)		
2023/01/19T22:00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	< 6,0		•	(A)	< 9,0		-	(A)		
2023/01/19T23:00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	< 6,0		•	(A)	< 9,0		-	(A)	-	
2023/01/20T00:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		ı	(A)	< 9,0		-	(A)		

A - Valor Horário Acreditado

EQUP - Valor Horário Inválido devido a problema operacional no equipamento.

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 18 – Resultados médios diários referentes às medições realizadas no ponto de medição P1 – 6ª Campanha

Período de Integração	24	ŧН		24	Н		24	Н		24H			24H		
Data	NO ± Ir	nc.	Ехр.	NO2 ± Ir	nc.	Ехр.	NOx ± Ir	nc.	Ехр.	SO2 ± Inc. Ex	φ.		PM10 ± Inc). E	хр.
Data	μg/	/m³		μg/	m³		μg/	m³		µg/m³			μg/m ³	3	
06/01/2023	EQUP		-	EQUP		-	EQUP		-	< 9,0			25	±	9
07/01/2023	EQUP		-	EQUP		-	EQUP		-	< 9,0		-	14	±	9
08/01/2023	EQUP		-	EQUP		-	EQUP		-	< 9,0		-	< 10		-
09/01/2023	EQUP		-	EQUP		-	EQUP		-	< 9,0		-	13	±	9
10/01/2023	EQUP		-	EQUP		-	EQUP		-	< 9,0		-	28	±	9
11/01/2023	EQUP		-	EQUP		-	EQUP		-	< 9,0		-	15	±	9
12/01/2023	EQUP		-	EQUP		-	EQUP		-	< 9,0		-	24	±	9
13/01/2023	EQUP		-	EQUP		-	EQUP		-	< 9,0		-	24	±	9
14/01/2023	< 4,0		-	12	±	4	17	±	4	< 9,0		-	22	±	9
15/01/2023	< 4,0		-	6,7	±	4,1	8,4	±	4,1	< 9,0		-	14	±	9
16/01/2023	< 4,0		-	< 6,0		-	< 6,0		-	< 9,0		-	26	±	9
17/01/2023	< 4,0		-	< 6,0		-	< 6,0		-	< 9,0		-	10	±	9
18/01/2023	4,3	±	4,0	15	±	4	22	±	5	< 9,0		-	14	±	9
19/01/2023	12	±	4	13	±	4	31	±	5	< 9,0		-	23	±	9

EQUP - Valor Horário Inválido devido a problema operacional no equipamento.

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 19 – Condições de temperatura e humidade relativa no interior do abrigo onde foram realizados os ensaios de medição – 6ª campanha





Indicador estatístico	Humidade Relativa (%) [*]	Temperatura (°C) [*]
Média	53	21
Máximo Horário	63	25
Mínimo Horário	43	19

^{[*] –} Ensaio fora do âmbito da acreditação da Sondarlab, Lda.

P1 - 7ª CAMPANHA (18 A 26/02/2023)

Tabela 20 – Resultados horários referentes às medições realizadas no ponto de medição P1 – 7ª Campanha

Data			Inc. ndida				Inc.				± Inc. ndida		SO ₂ Expa						10± and	
		μg/i	m³			μg/	m³			μg/	m³		μg	/m	3			μ	g/m	3
2023/02/18T01:																				
00:00Z	24	±	5	(A)	29	±	6	(A)	66	±	10	(A)	< 9,0		-	(A)				
2023/02/18T02:																				
00:00Z	16	±	5	(A)	12	±	4	(A)	37	±	7	(A)	< 9,0		-	(A)	2	±	1	(A)
2023/02/18T03:																	3	-	0	(//)
00:00Z	11	±	4	(A)	10	±	4	(A)	27	±	6	(A)	< 9,0		-	(A)				
2023/02/18T04:																				
00:00Z	9,0	±	4,3	(A)	10	±	4	(A)	24	±	5	(A)	< 9,0		-	(A)				
2023/02/18T05:																				
00:00Z	7,8	±	4,2	(A)	9,7	±	4,3	(A)	22	±	5	(A)	< 9,0		-	(A)				
2023/02/18T06:																				
00:00Z	6,7	±	4,1	(A)	7,4	±	4,2	(A)	18	±	5	(A)	< 9,0		-	(A)	1	±	1	(A)
2023/02/18T07:																	8		0	(٨)
00:00Z	7,7	±	4,2	(A)	9,2	±	4,3	(A)	21	±	5	(A)	< 9,0		-	(A)				
2023/02/18T08:																				
00:00Z	9,4	±	4,3	(A)	9,6	±	4,3	(A)	24	±	5	(A)	< 9,0		-	(A)				
2023/02/18T09:																				
00:00Z	12	±	4	(A)	17	±	5	(A)	34	±	6	(A)	< 9,0		-	(A)				
2023/02/18T10:																				
00:00Z	18	±	5	(A)	22	±	5	(A)	49	±	8	(A)	< 9,0		-	(A)	2	١.	1	(A)
2023/02/18T11:																	7	±	0	(A)
00:00Z	8,3	±	4,2	(A)	9,4	±	4,3	(A)	22	±	5	(A)	< 9,0		-	(A)				
2023/02/18T12:																				
00:00Z	8,6	±	4,2	(A)	8,9	±	4,2	(A)	22	±	5	(A)	< 9,0		-	(A)				
2023/02/18T13:																				
00:00Z	12	±	4	(A)	12	±	4	(A)	30	±	6	(A)	< 9,0		-	(A)				
2023/02/18T14:																				
00:00Z	12	±	4	(A)	11	±	4	(A)	29	±	6	(A)	< 9,0		-	(A)	2	١.	1	(A)
2023/02/18T15:																	7	±	0	(A)
00:00Z	8,7	±	4,2	(A)	8,7	±	4,2	(A)	22	±	5	(A)	< 9,0	L		(A)				
2023/02/18T16:																				
00:00Z	5,1	±	4,0	(A)	< 6,0		_	(A)	12	±	4	(A)	< 9,0	L	-	(A)				
2023/02/18T17:																				
00:00Z	8,5	±	4,2	(A)	6,0	±	4,1	(A)	19	±	5	(A)	< 9,0		-	(A)				
2023/02/18T18:																				
00:00Z	9,3	±	4,3	(A)	9,5	±	4,3	(A)	24	±	5	(A)	< 9,0	L	-	(A)	4	١.	1	(A)
2023/02/18T19:																	0	±	0	(A)
00:00Z	22	±	5	(A)	16	±	5	(A)	50	±	8	(A)	< 9,0		-	(A)				
2023/02/18T20:																				
00:00Z	19	±	5	(A)	13	±	4	(A)	42	±	7	(A)	< 9,0		-	(A)		L		
2023/02/18T21:																	5	_	1	(A)
00:00Z	22	±	5	(A)	43	±	7	(A)	77	±	11	(A)	< 9,0		-	(A)	5	±	1	(A)







Data			Inc. ndida				Inc.				± Inc. ndida		SO ₂ Expa						10± and	
		μg/ι	m³			ug/ı	m³			μg/	m³		μg	/m	13			μ	g/m	3
2023/02/18T22: 00:00Z	18	±	5	(A)	19	±	5	(A)	47	±	8	(A)	< 9,0		_	(A)				
2023/02/18T23: 00:00Z	15	±	5	(A)	14	±	5	(A)	36	±	6	(A)	< 9,0		_	(A)				
2023/02/19T00: 00:00Z	19	±	5	(A)	37	±	7	(A)	66	±	10	(A)	< 9,0		_	(A)				
2023/02/19T01: 00:00Z	17	±	5	(A)	33	±	6	(A)	59	±	9	(A)	< 9,0		-	(A)				
2023/02/19T02: 00:00Z	9,2	±	4,3	(A)	9,9	±	4,3	(A)	24	±	5	(A)	< 9,0		-	(A)	3		1	(A)
2023/02/19T03: 00:00Z	7,6	±	4,2	(A)	8,2	±	4,2	(A)	20	±	5	(A)	< 9,0		-	(A)	1	±	0	(A)
2023/02/19T04: 00:00Z	9,1	±	4,3	(A)	7,2	±	4,1	(A)	21	±	5	(A)	< 9,0		-	(A)				
2023/02/19T05: 00:00Z	8,2	±	4,2	(A)	9,8	±	4,3	(A)	22	±	5	(A)	< 9,0		-	(A)				
2023/02/19T06: 00:00Z	10	±	4	(A)	< 6,0		-	(A)	20	±	5	(A)	< 9,0		_	(A)	2	±	1	(A)
2023/02/19T07: 00:00Z	9,5	±	4,3	(A)	9,7	±	4,3	(A)	24	±	5	(A)	< 9,0		_	(A)	4	_ <u>_</u>	0	(^)
2023/02/19T08: 00:00Z	9,1	±	4,3	(A)	12	±	4	(A)	26	±	6	(A)	< 9,0		-	(A)				
2023/02/19T09: 00:00Z	9,1	±	4,3	(A)	27	±	6	(A)	41	±	7	(A)	< 9,0		_	(A)				
2023/02/19T10: 00:00Z	13	±	4	(A)	30	±	6	(A)	49	±	8	(A)	< 9,0		-	(A)	3	±	1	(A)
2023/02/19T11: 00:00Z	20	±	5	(A)	30	±	6	(A)	60	±	9	(A)	< 9,0		-	(A)	5	Ŧ	0	(^)
2023/02/19T12: 00:00Z	25	±	5	(A)	37	±	7	(A)	74	±	11	(A)	< 9,0		<u>_</u>	(A)				
2023/02/19T13: 00:00Z	22	±	5	(A)	23	±	5	(A)	56	±	9	(A)	< 9,0		-	(A)				
2023/02/19T14: 00:00Z	13	±	5	(A)	13	±	5	(A)	33	±	6	(A)	< 9,0		-	(A)	3	±	1	(A)
2023/02/19T15: 00:00Z	9,5	±	4,3	(A)	11	±	4	(A)	26	±	6	(A)	< 9,0		_	(A)	4	T	0	(^)
2023/02/19T16: 00:00Z	9,9	±	4,3	(A)	9,6	±	4,3	(A)	25	±	5	(A)	< 9,0		_	(A)				
2023/02/19T17: 00:00Z	5,0	±	4,0	(A)	< 6,0		-	(A)	11	±	4	(A)	< 9,0		_	(A)				
2023/02/19T18: 00:00Z	11	±	4	(A)	13	±	5	(A)	30	±	6	(A)	< 9,0		_	(A)	3	±	1	(A)
2023/02/19T19: 00:00Z	18	±	5	(A)	15	±	5	(A)	42	±	7	(A)	< 9,0		<u> </u> -	(A)	1	-	0	(,,)
2023/02/19T20: 00:00Z	15	±	5	(A)	6,6	±	4,1	(A)	29	±	6	(A)	< 9,0		_	(A)				
2023/02/19T21: 00:00Z	16	±	5	(A)	8,8	±	4,2	(A)	34	±	6	(A)	< 9,0		_	(A)				
2023/02/19T22: 00:00Z	19	±	5	(A)	37	±	7	(A)	66	±	10	(A)	< 9,0		<u>_</u>	(A)	3	±	1	(A)
2023/02/19T23: 00:00Z	18	±	5	(A)	39	±	7	(A)	67	±	10	(A)	< 9,0		-	(A)	4	I	0	(八)
2023/02/20T00: 00:00Z	6,5	±	4,1	(A)	< 6,0		-	(A)	15	±	5	(A)	< 9,0		_	(A)				
2023/02/20T01: 00:00Z	< 4,0		•	(A)	< 6,0			(A)	9,6	±	4,3	(A)	< 9,0		_	(A)				
2023/02/20T02: 00:00Z	< 4,0		_	(A)	< 6,0		-	(A)	9,2	±	4,3	(A)	< 9,0			(A)	2 5	±	1 0	(A)
2023/02/20T03: 00:00Z	4,7	±	4,0	(A)	< 6,0		-	(A)	12	±	4	(A)	< 9,0		_	(A)				





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Data	Ex	par	Inc. ndida		Ex	par	Inc.		Ex	par	⊧ Inc. ndida		SO ₂ Expa	nc	did			Exp	10± and	ida
2222/22/22		ug/	m³	ı		μg/	m³	ı		μg/	m³	ı	μg	/m	13			μ	g/m	3
2023/02/20T04: 00:00Z	4,2	±	4,0	(A)	< 6,0		-	(A)	10	±	4	(A)	< 9,0		-	(A)				
2023/02/20T05: 00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	11	±	4	(A)	< 9,0		_	(A)				
2023/02/20T06: 00:00Z	9,5	±	4,3	(A)	11	±	4	(A)	26	±	6	(A)	< 9,0		_	(A)	2		1	(4)
2023/02/20T07: 00:00Z	16	±	5	(A)	17	±	5	(A)	42	±	7	(A)	< 9,0		_	(A)	7	±	0	(A)
2023/02/20T08: 00:00Z	16	±	5	(A)	11	±	4	(A)	35		6	(A)	< 9,0			(A)				
2023/02/20T09:										±					-					
00:00Z 2023/02/20T10:	17	±	5	(A)	16	±	5	(A)	42	±	7	(A)	< 9,0		-	(A)				
00:00Z 2023/02/20T11:	9,3	±	4,3	(A)	10	±	4	(A)	24	±	5	(A)	< 9,0		-	(A)	2	±	1 0	(A)
00:00Z 2023/02/20T12:	6,0	±	4,1	(A)	7,4	±	4,2	(A)	17	±	5	(A)	< 9,0		-	(A)				
00:00Z 2023/02/20T13:	5,5	±	4,1	(A)	< 6,0		-	(A)	14	±	5	(A)	< 9,0		-	(A)				
00:00Z	5,6	±	4,1	(A)	8,5	±	4,2	(A)	17	±	5	(A)	< 9,0		-	(A)				
2023/02/20T14: 00:00Z	5,8	±	4,1	(A)	6,5	±	4,1	(A)	15	±	5	(A)	< 9,0		-	(A)	2	±	1	(A)
2023/02/20T15: 00:00Z	5,2	±	4,0	(A)	6,2	±	4,1	(A)	14	±	5	(A)	< 9,0		_	(A)	8	_	0	(7.1)
2023/02/20T16: 00:00Z	7,3	±	4,1	(A)	< 6,0		-	(A)	17	±	5	(A)	< 9,0		-	(A)				
2023/02/20T17: 00:00Z	12	±	4	(A)	7,0	±	4,1	(A)	26	±	5	(A)	< 9,0			(A)				
2023/02/20T18:																			4	
00:00Z 2023/02/20T19:	19	±	5	(A)	12	±	4	(A)	41	±	7	(A)	< 9,0		-	(A)	4 5	±	1 0	(A)
00:00Z 2023/02/20T20:	12	±	4	(A)	8,0	±	4,2	(A)	26	±	6	(A)	< 9,0		-	(A)				
00:00Z 2023/02/20T21:	9,7	±	4,3	(A)	6,4	±	4,1	(A)	21	±	5	(A)	< 9,0		-	(A)				
00:00Z 2023/02/20T22:	13	±	4	(A)	< 6,0		-	(A)	26	±	5	(A)	< 9,0		-	(A)				
00:00Z 2023/02/20T23:	11	±	4	(A)	6,0	±	4,1	(A)	22	±	5	(A)	< 9,0		-	(A)	4 5	±	1	(A)
00:00Z	9,9	±	4,3	(A)	8,1	±	4,2	(A)	23	±	5	(A)	< 9,0		-	(A)			U	
2023/02/21T00: 00:00Z	10	±	4	(A)	8,0	±	4,2	(A)	24	±	5	(A)	< 9,0		_	(A)				
2023/02/21T01: 00:00Z	9,8	±	4,3	(A)	9,2	±	4,3	(A)	24	±	5	(A)	< 9,0		_	(A)				
2023/02/21T02: 00:00Z	5,4	±	4,0	(A)	< 6,0		_	(A)	14	±	5	(A)	< 9,0		-	(A)	2		1	(4)
2023/02/21T03: 00:00Z	5,4	±	4,0	(A)	< 6,0		_	(A)	12	±	4	(A)	< 9,0		_	(A)	9	±	0	(A)
2023/02/21T04: 00:00Z	4,4	±			< 6,0		_	(A)	11		4	(A)		T	Ĺ					
2023/02/21T05:	•			(A)			-			±		` ′	< 9,0	H	Ė	(A)				
00:00Z 2023/02/21T06:	4,0	±	4,0	(A)	< 6,0		-	(A)	11	±	4	(A)	< 9,0		-	(A)	1			
00:00Z 2023/02/21T07:	4,0	±	4,0	(A)	< 6,0		-	(A)	10	±	4	(A)	< 9,0	\vdash	-	(A)	2 8	±	1 0	(A)
00:00Z 2023/02/21T08:	4,2	±	4,0	(A)	7,8	±	4,2	(A)	14	±	5	(A)	< 9,0	-	<u> -</u>	(A)				
00:00Z 2023/02/21T09:	5,6	±	4,1	(A)	8,7	±	4,2	(A)	17	±	5	(A)	< 9,0		<u> -</u>	(A)	4		1	
00:00Z	7,6	±	4,2	(A)	18	±	5	(A)	29	±	6	(A)	< 9,0		-	(A)	5	±	0	(A)

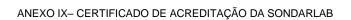
Pac acreditação



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Data			Inc. ndida				Inc.				⊧ Inc. ndida		SO ₂ Expa						10± and	
	-	ug/ı	m³			μg/ı	m³			μg/	m³		μg	/m	13			μ	g/m	3
2023/02/21T10: 00:00Z	12	±	4	(A)	23	±	5	(A)	42	±	7	(A)	< 9,0		-	(A)				
2023/02/21T11: 00:00Z	15	±	5	(A)	24	±	5	(A)	47	±	8	(A)	< 9,0		-	(A)				
2023/02/21T12: 00:00Z	9,5	±	4,3	(A)	14	±	5	(A)	29	±	6	(A)	< 9,0		-	(A)				
2023/02/21T13: 00:00Z	4,1	±	4,0	(A)	< 6,0		1	(A)	9,9	±	4,3	(A)	< 9,0		-	(A)				
2023/02/21T14: 00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	10	±	4	(A)	< 9,0		-	(A)	3	±	1	(A)
2023/02/21T15: 00:00Z	4,6	±	4,0	(A)	< 6,0		-	(A)	13	±	5	(A)	< 9,0		-	(A)	7		0	()
2023/02/21T16: 00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,4	±	4,2	(A)	< 9,0		-	(A)				
2023/02/21T17: 00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,2	±	4,1	(A)	< 9,0		-	(A)				
2023/02/21T18: 00:00Z 2023/02/21T19:	< 4,0		-	(A)	< 6,0		-	(A)	6,6	±	4,1	(A)	< 9,0		-	(A)	3	±	1	(A)
00:00Z 2023/02/21T19: 2023/02/21T20:	4,4	±	4,0	(A)	< 6,0		-	(A)	9,7	±	4,3	(A)	< 9,0		-	(A)	9		U	
00:00Z 2023/02/21T21:	5,6	±	4,1	(A)	< 6,0		-	(A)	13	±	5	(A)	< 9,0		-	(A)				
00:00Z 2023/02/21T21:	11	±	4	(A)	7,1	±	4,1	(A)	23	±	5	(A)	< 9,0	L	-	(A)				
00:00Z 2023/02/21T23:	13	±	5	(A)	< 6,0		-	(A)	26	±	6	(A)	< 9,0		-	(A)	4	±	1	(A)
00:00Z 2023/02/22T00:	7,8	±	4,2	(A)	< 6,0		-	(A)	17	±	5	(A)	< 9,0	L	-	(A)				
00:00Z 2023/02/22T01:	4,9	±	4,0	(A)	< 6,0		-	(A)	12	±	4	(A)	< 9,0	_	-	(A)				
00:00Z 2023/02/22T02:	< 4,0		-	(A)	< 6,0		-	(A)	8,9	±	4,2	(A)	< 9,0		-	(A)				
00:00Z 2023/02/22T03:	< 4,0		-	(A)	< 6,0		-	(A)	7,2	±	4,1	(A)	< 9,0		-	(A)	3 9	±	1 0	(A)
00:00Z 2023/02/22T04:	< 4,0		-	(A)	< 6,0		-	(A)	6,9	±	4,1	(A)	< 9,0		-	(A)				
00:00Z 2023/02/22T05:	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
00:00Z 2023/02/22T06:	< 4,0		-	(A)	< 6,0		-	(A)	7,6	±	4,2	(A)	< 9,0	-	-	(A)				
00:00Z 2023/02/22T07:	< 4,0		-	(A)	< 6,0		-	(A)	10	±	4	(A)	< 9,0	-	-	(A)	3 7	±	1 0	(A)
00:00Z 2023/02/22T08:	5,0	±	4,0	(A)	6,3	±	4,1	(A)	14	±	5	(A)	< 9,0		-	(A)				
00:00Z 2023/02/22T09:	8,5	±	4,2	(A)	14	±	5	(A)	27	±	6	(A)	< 9,0		-	(A)				
00:00Z 2023/02/22T10:	16	±	5	(A)	31	±	6	(A)	55	±	9	(A)	< 9,0		-	(A)				
00:00Z 2023/02/22T11:	16	±	5	(A)	29	±	6	(A)	53	±	8	(A)	< 9,0		-	(A)	4	±	1	(A)
00:00Z 2023/02/22T12:	12 7.4	±	4	(A)	11	±	4	(A)	30	±	6	(A)	< 9,0		-	(A)				
00:00Z 2023/02/22T13: 00:00Z	7,4 4,5	±	4,2	(A)	9,1	±	4,3	(A)	20 12	±	5 4	(A)	< 9,0 < 9,0		-	(A)				
2023/02/22T14: 00:00Z	7,3	±	4,0	(A)	8,0	±	4,2	(A)	19	±	5	(A)	< 9,0		-	(A)	2	±	1	(A)
2023/02/22T15: 00:00Z	4,9	±	4,0	(A)	< 6,0	Ė	-	(A)	13	±	5	(A)	< 9,0		_	(A)			5	



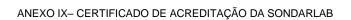


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Data		_	Inc. ndida		Ex	par	Inc.				± Inc. ndida		SO ₂ Expa	ınc	dida			Exp	10± and	ida
	ı	ug/ı	m³			μg/	m³			μg/	m³		μg	/m	13			μ	g/m	3
2023/02/22T16: 00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,3	±	4,2	(A)	< 9,0		_	(A)				
2023/02/22T17: 00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	9,8	±	4,3	(A)	< 9,0		<u> </u> -	(A)				
2023/02/22T18: 00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	11	±	4	(A)	< 9,0		-	(A)	1	±	1	(A)
2023/02/22T19: 00:00Z	4,3	±	4,0	(A)	< 6,0		-	(A)	12	±	4	(A)	< 9,0		-	(A)	7		0	(1.1)
2023/02/22T20: 00:00Z	5,9	±	4,1	(A)	< 6,0		-	(A)	12	±	4	(A)	< 9,0		-	(A)				
2023/02/22T21: 00:00Z	11	±	4	(A)	< 6,0		-	(A)	21	±	5	(A)	< 9,0		_	(A)				
2023/02/22T22: 00:00Z	7,3	±	4,2	(A)	< 6,0		_	(A)	17	±	5	(A)	< 9,0		_	(A)	1		•	(4)
2023/02/22T23: 00:00Z	7,3	±	4,2	(A)	< 6,0		-	(A)	17	±	5	(A)	< 9,0		_	(A)	2	±	9	(A)
2023/02/23T00: 00:00Z	6,1	±	4,1	(A)	< 6,0		_	(A)	13	±	5	(A)	< 9,0		_	(A)				
2023/02/23T01: 00:00Z	5,4	±	4,0	(A)	< 6,0			(A)	12	±	4	(A)	< 9,0		_	(A)				
2023/02/23T02: 00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	9,7	±	4,3	(A)	< 9,0		_	(A)	<			,
2023/02/23T03: 00:00Z	< 4,0		_	(A)	< 6,0		_	(A)	7,0	±	4,1	(A)	< 9,0		<u> </u>	(A)	1 0		-	(A)
2023/02/23T04: 00:00Z	< 4,0		_	(A)	< 6,0		_	(A)	7,4	±	4,2	(A)	< 9,0		<u> </u>	(A)				
2023/02/23T05: 00:00Z	< 4,0		_	(A)	< 6,0			(A)	9,9		4,2	(A)	< 9,0		<u> </u>	(A)				
2023/02/23T06: 00:00Z	6,8		4,1	(A)	6,7		4,1	(A)	9,9 17	±	5	(A)	< 9,0		<u> </u>	(A)	<			
2023/02/23T07: 00:00Z	,	±			,	±	4,1		23	±	5	, ,			-		1 0		-	(A)
2023/02/23T08:	9,3	±	4,3	(A)	9,1	±		(A)		±		(A)	< 9,0		-	(A)				
00:00Z 2023/02/23T09:	21	±	5	(A)	44	±	7	(A)	76	±	11	(A)	< 9,0		-	(A)				
00:00Z 2023/02/23T10:	21	±	5	(A)	67	±	10	(A)	99	±	14	(A)	< 9,0	-	-	(A)	<			
00:00Z 2023/02/23T11:	5,5	±	4,1	(A)	10,0	±	,	(A)	18	±	5	(A)	< 9,0		-	(A)	1		-	(A)
00:00Z 2023/02/23T12:	< 4,0		-	(A)	< 6,0		-	(A)	9,3	±	4,3	(A)	< 9,0		-	(A)				
00:00Z 2023/02/23T13:	< 4,0		-	(A)	< 6,0		-	(A)	9,0	±		(A)	< 9,0		-	(A)				
00:00Z 2023/02/23T14:	< 4,0		-	(A)	6,1	±	4,1	(A)	11	±		(A)	< 9,0		-	(A)				
00:00Z 2023/02/23T15:	< 4,0		-	(A)	< 6,0		-	(A)	7,6	±	4,2	(A)	< 9,0		-	(A)	1		-	(A)
00:00Z 2023/02/23T16:	< 4,0		-	(A)	< 6,0		-	(A)	10,0	±	4,3	(A)	< 9,0		-	(A)	0			
00:00Z 2023/02/23T17:	< 4,0		-	(A)	< 6,0		-	(A)	9,9	±	4,3	(A)	< 9,0		-	(A)				
00:00Z 2023/02/23T18:	4,8	±	4,0	(A)	< 6,0		-	(A)	9,9	±	4,3	(A)	< 9,0	-	-	(A)				
00:00Z 2023/02/23T19:	4,9	±	4,0	(A)	< 6,0		-	(A)	10	±	4	(A)	< 9,0		-	(A)	< 1		-	(A)
00:00Z	6,8	±	4,1	(A)	< 6,0		-	(A)	12	±	4	(A)	< 9,0		-	(A)	0			
2023/02/23T20: 00:00Z	15	±	5	(A)	6,0	±	4,1	(A)	29	±	6	(A)	< 9,0		_	(A)	_		4	
2023/02/23T21: 00:00Z	19	±	5	(A)	11	±	4	(A)	40	±	7	(A)	< 9,0		-	(A)	2 0	±	1 0	(A)

acreditação

L0353 ISO/IEC 17025 Ensaios

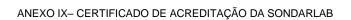




Data	Ex	par	Inc. ndida		Ex	par	Inc.		Ex	par	± Inc. ndida		SO ₂ Expa	ınc	did			Exp	10± and	lida
	ŀ	ug/ı	m³			μg/ı	m³			μg/	m³		μg	/m	13			μ	g/m	3
2023/02/23T22: 00:00Z	12	±	4	(A)	9,9	±	4,3	(A)	28	±	6	(A)	< 9,0		-	(A)				
2023/02/23T23: 00:00Z	11	±	4	(A)	< 6,0		-	(A)	22	±	5	(A)	< 9,0		_	(A)				
2023/02/24T00: 00:00Z	8,2	±	4,2	(A)	< 6,0		_	(A)	17	±	5	(A)	< 9,0		_	(A)				
2023/02/24T01:																				
00:00Z 2023/02/24T02:	6,4	±		(A)	< 6,0		-	(A)	14	±		(A)	< 9,0		-	(A)				
00:00Z 2023/02/24T03:	4,0	±	4,0	(A)	< 6,0		-	(A)	9,9	±	4,3	(A)	< 9,0		-	(A)	0	±	9	(A)
00:00Z 2023/02/24T04:	< 4,0		-	(A)	< 6,0		-	(A)	7,4	±	4,2	(A)	< 9,0		-	(A)				
00:00Z 2023/02/24T05:	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
00:00Z 2023/02/24T06:	< 4,0		-	(A)	< 6,0		-	(A)	6,1	±	4,1	(A)	< 9,0		-	(A)				
00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,1	±	4,2	(A)	< 9,0		-	(A)	< 1		_	(A)
2023/02/24T07: 00:00Z	6,5	±	4,1	(A)	< 6,0		-	(A)	13	±	4	(A)	< 9,0		_	(A)	Ö			(, ,)
2023/02/24T08: 00:00Z	14	±	5	(A)	32	±	6	(A)	54	±	8	(A)	< 9,0		_	(A)				
2023/02/24T09: 00:00Z	20	±	5	(A)	100	±	14	(A)	131	±	18	(A)	< 9,0		_	(A)				
2023/02/24T10: 00:00Z	21	±	5	(A)	75	±	11	(A)	107		15	(A)				(A)	1			
2023/02/24T11:										±			< 9,0		Ī		4	±	9	(A)
00:00Z 2023/02/24T12:	14	±	5	(A)	27	±	6	(A)	49	±	8	(A)	< 9,0		-	(A)				
00:00Z 2023/02/24T13:	< 4,0		-	(A)	7,0	±	4,1	(A)	12	±	4	(A)	< 9,0		-	(A)				
00:00Z 2023/02/24T14:	< 4,0		-	(A)	< 6,0		-	(A)	8,8	±	4,2	(A)	< 9,0		-	(A)				
00:00Z 2023/02/24T15:	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	< 1		-	(A)
00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	9,5	±	4,3	(A)	< 9,0		_	(A)	0			
2023/02/24T16: 00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,9	±	4,2	(A)	< 9,0		_	(A)				
2023/02/24T17: 00:00Z	< 4,0		_	(A)	< 6,0		_	(A)	8,5	±	4,2	(A)	< 9,0		_	(A)				
2023/02/24T18: 00:00Z	4,3	±	4,0	(A)	< 6,0		-	(A)	7,0	±	4,1	(A)	< 9,0		_	(A)	<			
2023/02/24T19: 00:00Z	13	±	5	(A)	7,2	±	4,1	(A)	27	±	_	(A)	< 9,0		Ī.	(A)	1		-	(A)
2023/02/24T20:														<u> </u>	Ť					
00:00Z 2023/02/24T21:	22	±	5	(A)	10	±	4	(A)	44	±	7	(A)	< 9,0		-	(A)				
00:00Z 2023/02/24T22:	17	±	5	(A)	7,9	±	,	(A)	34	±	6	(A)	< 9,0		-	(A)				
00:00Z 2023/02/24T23:	17	±	5	(A)	9,1	±	4,3	(A)	35	±	6	(A)	< 9,0	<u> </u>	-	(A)	3	±	1 0	(A)
00:00Z 2023/02/25T00:	14	±	5	(A)	< 6,0		-	(A)	26	±	6	(A)	< 9,0	<u> </u>	-	(A)	•			
00:00Z	11	±	4	(A)	6,2	±	4,1	(A)	23	±	5	(A)	< 9,0		_	(A)				
2023/02/25T01: 00:00Z	9,6	±	4,3	(A)	< 6,0		-	(A)	20	±	5	(A)	< 9,0		<u> </u> -	(A)				
2023/02/25T02: 00:00Z	7,6	±	4,2	(A)	< 6,0		-	(A)	16	±	5	(A)	< 9,0		_	(A)	1 5	±	1 0	(A)
2023/02/25T03: 00:00Z	6,0	±	4,1	(A)	< 6,0		-	(A)	12	±	4	(A)	< 9,0		-	(A)				

PAC acreditação

L0353 ISO/IEC 17025 Ensaios



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Data			Inc. ndida		NO ₂ ± Inc. Expandida µg/m³						± Inc. ndida		SO ₂ Expa					10± and	
		ug/ı								μg/			μg				μ	g/m	3
2023/02/25T04: 00:00Z	4,7	±	4,0	(A)	< 6,0		-	(A)	9,4	±	4,3	(A)	< 9,0	-	(A)				
2023/02/25T05: 00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,5	±	4,2	(A)	< 9,0	-	(A)				
2023/02/25T06: 00:00Z	4,2	±	4,0	(A)	< 6,0		-	(A)	8,5	±	4,2	(A)	< 9,0	-	(A)	1	±	1	(A)
2023/02/25T07: 00:00Z	9,4	±	4,3	(A)	8,2	±	4,2	(A)	23	±	5	(A)	< 9,0	-	(A)	6	-	0	(71)
2023/02/25T08: 00:00Z	11	±	4	(A)	15	±	5	(A)	32	±	6	(A)	< 9,0	-	(A)				
2023/02/25T09: 00:00Z	13	±	5	(A)	20	±	5	(A)	40	±	7	(A)	< 9,0	-	(A)				
2023/02/25T10: 00:00Z	17	±	5	(A)	25	±	5	(A)	50	±	8	(A)	< 9,0	-	(A)	2	±	1	(A)
2023/02/25T11: 00:00Z	17	±	5	(A)	16	±	5	(A)	42	±	7	(A)	< 9,0	-	(A)	1		0	()
2023/02/25T12: 00:00Z	13	±	4	(A)	11	±	4	(A)	31	±	6	(A)	< 9,0	-	(A)				
2023/02/25T13: 00:00Z	8,7	±	4,2	(A)	8,4	±	4,2	(A)	22	±	5	(A)	< 9,0	_	(A)				
2023/02/25T14: 00:00Z	4,0	±	4,0	(A)	6,5	±	4,1	(A)	13	±	4	(A)	< 9,0	-	(A)	1 2	±	9	(A)
2023/02/25T15: 00:00Z 2023/02/25T16:	6,6	±	4,1	(A)	< 6,0		-	(A)	15	±	5	(A)	< 9,0	-	(A)	_			
00:00Z 2023/02/25T17:	7,7	±	4,2	(A)	7,9	±	4,2	(A)	20	±	5	(A)	< 9,0	-	(A)				
00:00Z 2023/02/25T18:	7,0	±	4,1	(A)	6,3	±	4,1	(A)	17	±	5	(A)	< 9,0	-	(A)				
00:00Z 2023/02/25T19:	9,8	±	4,3	(A)	7,6	±	4,2	(A)	23	±	5	(A)	< 9,0	-	(A)	2	±	1	(A)
00:00Z 2023/02/25T20:	14	±	5	(A)	10	±	4	(A)	33	±	6	(A)	< 9,0	-	(A)	'		U	
00:00Z 2023/02/25T21:	18	±	5	(A)	16	±	5	(A)	43	±	7	(A)	< 9,0	-	(A)				
00:00Z 2023/02/25T22:	13	±	4	(A)	15	±	5	(A)	34	±	6	(A)	< 9,0	-	(A)				
00:00Z 2023/02/25T23:	9,9	±	4,3	(A)	9,5	±	4,3	(A)	25	±	5	(A)	< 9,0	-	(A)	2	±	1 0	(A)
00:00Z 2023/02/26T00:	7,3	±	4,2	(A)	6,3	±	4,1	(A)	18	±	5	(A)	< 9,0	-	(A)				
00:00Z 2023/02/26T01:	6,7	±	4,1	(A)	7,7	±	4,2	(A)	18	±	5	(A)	< 9,0	-	(A)				
00:00Z 2023/02/26T02:	8,9	±	4,2	(A)	9,4	±	4,3	(A)	23	±	5	(A)	< 9,0	-	(A)				
00:00Z 2023/02/26T03:	5,2	±		(A)	8,2	±	4,2		16	±	5	(A)	< 9,0	-	(A)	1 4	±	1 0	(A)
00:00Z 2023/02/26T04:	4,0	±	4,0	(A)	6,1	±	4,1	(A)	12	±	4	(A)	< 9,0	-	(A)				
00:00Z 2023/02/26T05:	4,3	±	4,0	(A)	6,5	±	4,1	(A)	13	±	5	(A)	< 9,0	-	(A)				
00:00Z 2023/02/26T06:	< 4,0		-	(A)	< 6,0		-	(A)	11	±		(A)	< 9,0	-	(A)				
00:00Z 2023/02/26T07:	< 4,0		-	(A)	< 6,0		-	(A)	6,7	±		(A)	< 9,0	-	(A)	1 4	±	1 0	(A)
00:00Z 2023/02/26T08:	< 4,0		-	(A)	< 6,0		-	(A)	7,2	±		(A)	< 9,0	-	(A)				
00:00Z 2023/02/26T09:	< 4,0		-	(A)	< 6,0		-	(A)	10	±		(A)	< 9,0	-	(A)	1	±	9	(A)
00:00Z	7,2	±	4,1	(A)	25	±	5	(A)	36	±	6	(A)	< 9,0	-	(A)	2	_		(* ')





Data			Inc.		NO ₂ ± Inc. Expandida					Elnc. ndida		SO ₂ : Expa					0± I and		
Bula		ua/i				ua/				ug/				/m³	<u> </u>		_	g/m ²	
2023/02/26T10:		9,				- g,				×9,			M 9					<u> </u>	
00:00Z	11	±	4	(A)	25	±	5	(A)	41	±	7	(A)	< 9,0	-	(A)				
2023/02/26T11:				, ,				` '				` '			, ,				
00:00Z	7,8	±	4,2	(A)	14	±	5	(A)	26	±	5	(A)	< 9,0	-	(A)				
2023/02/26T12:																			
00:00Z	4,3	±	4,0	(A)	7,3	±	4,1	(A)	14	±	5	(A)	< 9,0	-	(A)				
2023/02/26T13:																			
00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	8,6	±	4,2	(A)	< 9,0	-	(A)				
2023/02/26T14:																_			
00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	-	(A)	< 1			(4)
2023/02/26T15:																0		-	(A)
00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	< 6,0		•	(A)	< 9,0	-	(A)	U			
2023/02/26T16:																			
00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	9,1	±	4,3	(A)	< 9,0	-	(A)				
2023/02/26T17:																			
00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,9	±	4,2	(A)	< 9,0	-	(A)				
2023/02/26T18:																			
00:00Z	4,4	±	4,0	(A)	< 6,0		-	(A)	10	±	4	(A)	< 9,0	-	(A)	1	±	9	(A)
2023/02/26T19:																2	I	9	(A)
00:00Z	12	±	4	(A)	6,9	±	4,1	(A)	25	±	5	(A)	< 9,0	-	(A)				
2023/02/26T20:																			
00:00Z	15	±	5	(A)	9,4	±	4,3	(A)	33	±	6	(A)	< 9,0	-	(A)				
2023/02/26T21:																			
00:00Z	12	±	4	(A)	9,7	±	4,3	(A)	29	±	6	(A)	< 9,0	-	(A)				
2023/02/26T22:																1		1	(A)
00:00Z	9,4	±	4,3	(A)	6,7	±	4,1	(A)	21	±	5	(A)	< 9,0	-	(A)	8	±	0	(^)
2023/02/26T23:																			
00:00Z	7,8	±	4,2	(A)	< 6,0		-	(A)	17	±	5	(A)	< 9,0	-	(A)				
2023/02/27T00:																	_		
00:00Z	7,4	±	4,2	(A)	< 6,0		-	(A)	17		±	5	(A) < 9	9,0	-	(,	A)		

A - Valor Horário Acreditado

EQUP - Valor Horário Inválido devido a problema operacional no equipamento.

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 21 – Resultados médios diários referentes às medições realizadas no ponto de medição P1 – 7ª Campanha



Período de Integração		24⊦			24H		24	4H		24H		24H		
Data	NO ±	Inc	. Ехр.	NO2 =	Ŀ Inc	. Ехр.	NOx ± I	nc. E	хр.	SO2 ± Inc. Ex	p.	PM10 ± Inc	c. Ex	φ.
Data	μ	ıg/m) ³	ŀ	ıg/m	3	μg	/m³		μg/m³		μg/m	3	
18/02/2023	13	±	4	14	±	4	34	±	5	< 9,0	-	31	±	9
19/02/2023	13	±	4	17	±	4	37	±	6	< 9,0	-	31	±	9
20/02/2023	9,1	±	4,1	7,9	±	4,1	22	±	5	< 9,0	-	32	±	9
21/02/2023	6,5	±	4,0	7,4	±	4,1	17	±	4	< 9,0	-	37	±	9
22/02/2023	6,2	±	4,0	7,7	±	4,1	17	±	4	< 9,0	-	30	±	9
23/02/2023	7,5	±	4,1	9,5	±	4,1	21	±	5	< 9,0	-	< 10		-
24/02/2023	8,7	±	4,1	14	±	4	27	±	5	< 9,0	-	13	±	9
25/02/2023	9,5	±	4,1	9,2	±	4,1	24	±	5	< 9,0	-	18	±	9
26/02/2023	6,0	±	4,0	7,6	±	4,1	17	±	4	< 9,0	-	13	±	9

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 22 – Condições de temperatura e humidade relativa no interior do abrigo onde foram realizados os ensaios de medição – 7ª campanha

Indicador estatístico	Humidade Relativa (%) [*]	Temperatura (°C) [*]
Média	47	18
Máximo Horário	57	19
Mínimo Horário	39	14

^{[*] –} Ensaio fora do âmbito da acreditação da Sondarlab, Lda.

P1 - 8a CAMPANHA (30/03 A 05/04/2023)

Tabela 23 – Resultados horários referentes às medições realizadas no ponto de medição P1 – 8ª Campanha

																	Р	M10	0± Ir	nc.
Data	NO ± In	ic. E	Expan	dida	$NO_2 \pm Ir$	nc.	Expar	dida	NOx ± I	nc.	Expar	ndida	SO ₂ ± In	ıc. I	Expan	dida	Е	хра	andio	da
		μg/	m³			μg/	m³			μg/i	m³			µg/ı	m³			μg	J/m³	
2023/03/30T01:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	23	±	6	(A)				
2023/03/30T02:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	21	±	6	(A)	13	+	9	(A)
2023/03/30T03:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,7	±	4,1	(A)	9,3	±	5,0	(A)	13	-	3	(//)
2023/03/30T04:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,0	±	4,1	(A)	< 9,0		-	(A)				
2023/03/30T05:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	11	±	4	(A)	< 9,0		-	(A)				
2023/03/30T06:00:00Z	7,1	±	4,1	(A)	10	±	4	(A)	21	±	5	(A)	< 9,0		-	(A)	27	±	10	(A)
2023/03/30T07:00:00Z	7,1	±	4,1	(A)	8,2	±	4,2	(A)	19	±	5	(A)	< 9,0		•	(A)	21	I	10	(A)
2023/03/30T08:00:00Z	7,7	±	4,2	(A)	10	±	4	(A)	22	±	5	(A)	< 9,0		•	(A)				
2023/03/30T09:00:00Z	4,2	±	4,0	(A)	8,7	±	4,2	(A)	15	±	5	(A)	< 9,0		١	(A)				
2023/03/30T10:00:00Z	< 4,0		-	(A)	8,8	±	4,2	(A)	13	±	5	(A)	< 9,0		ı	(A)	24	±	10	(A)
2023/03/30T11:00:00Z	< 4,0		-	(A)	9,0	±	4,2	(A)	15	±	5	(A)	< 9,0		١	(A)	24	I	10	(A)
2023/03/30T12:00:00Z	4,4	±	4,0	(A)	9,6	±	4,3	(A)	16	±	5	(A)	< 9,0		ı	(A)				
2023/03/30T13:00:00Z	< 4,0		-	(A)	7,5	±	4,2	(A)	12	±	4	(A)	< 9,0		•	(A)				
2023/03/30T14:00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	9,0	±	4,3	(A)	< 9,0		١	(A)	26	١. ا	10	(4)
2023/03/30T15:00:00Z	< 4,0		-	(A)	< 6,0		•	(A)	9,0	±	4,3	(A)	< 9,0		ı	(A)	20	±	10	(A)
2023/03/30T16:00:00Z	< 4,0		-	(A)	< 6,0		1	(A)	7,5	±	4,2	(A)	< 9,0		-	(A)				





ANEXO IX- CERTIFICADO DE ACREDITAÇÃO DA SONDARLAB

Data	NO ± In	c. E	Expan	dida	NO ₂ ± Ir	nc.	Expar	ndida	NOx ± Ir	nc.	Expan	ıdida	SO ₂ ± Ir	ıc. l	Expar	ndida			0± Ir	
		μg/i	-			ug/				µg/ı				ug/i					J/m³	
2023/03/30T17:00:00Z	< 4,0	- J	-	(A)	< 6,0	3,	-	(A)	9,7	±	4,3	(A)	< 9,0	3.	-	(A)		ΙÌ		
2023/03/30T18:00:00Z	4,3	±	4,0	(A)	< 6.0		-	(A)	8,3	±	4,2	(A)	< 9,0		-	(A)	١.,			(0)
2023/03/30T19:00:00Z	< 4,0		_	(A)	< 6,0		-	(A)	7,7	±	4,2	(A)	< 9,0		-	(A)	14	±	9	(A)
2023/03/30T20:00:00Z	4,1	±	4,0	(A)	< 6,0		-	(A)	7,7	±	4,2	(A)	< 9.0		-	(A)				
2023/03/30T21:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,7	±	4,1	(A)	< 9,0		-	(A)				
2023/03/30T22:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		_	(A)	10	±	5	(A)	4.0			(0)
2023/03/30T23:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	11	±	5	(A)	19	±	10	(A)
2023/03/31T00:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	< 6.0		-	(A)	11	±	5	(A)				
2023/03/31T01:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,2	±	4,1	(A)	12	±	5	(A)				
2023/03/31T02:00:00Z	< 4,0		_	(A)	< 6,0		-	(A)	6,6	±	4,1	(A)	13	±	5	(A)				
2023/03/31T03:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0	_	-	(A)	14	±	10	(A)
2023/03/31T04:00:00Z	< 4,0		_	(A)	< 6,0		_	(A)	< 6,0		_	(A)	< 9,0		_	(A)				
2023/03/31T05:00:00Z	< 4,0		_	(A)	< 6,0		_	(A)	< 6,0		_	(A)	< 9,0		_	(A)				
2023/03/31T06:00:00Z	< 4,0		_	(A)	< 6,0		-	(A)	8,2	±	4,2	(A)	< 9,0		-	(A)				
2023/03/31T07:00:00Z	< 4,0		_	(A)	< 6,0		-	(A)	7,6	±	4,2	(A)	< 9,0		_	(A)	13	±	9	(A)
2023/03/31T07:00:00Z	4,5	±	4,0	(A)	< 6,0		-	(A)	12	±	4	(A)	< 9,0		-	(A)				
2023/03/31T09:00:00Z	< 4,0	÷	-	(A)	< 6,0		-	(A)	12	±	4	(A)	< 9,0		_	(A)				
2023/03/31T09:00:00Z	4,8	±	4,0	(A)	6,6	±	4,1	(A)	14	±	5	(A)	< 9,0		-	(A)				
2023/03/31T10:00:00Z	< 4,0	I	-	(A)	7,5	±	4,2	(A)	13	±	4	(A)	< 9,0		-	(A)	23	±	10	(A)
2023/03/31T11:00:00Z	< 4.0		_	(A)	< 6.0	I	-	(A)	8,0	±	4,2	(A)	< 9,0		-	(A)				
2023/03/31T12:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	8,8		4,2	(A)	< 9.0		-	(A)				
				(A)			-		· ·	±						-				
2023/03/31T14:00:00Z	< 4,0		-		< 6,0			(A)	7,9	±	4,2	(A)	< 9,0		-	(A)	26	±	10	(A)
2023/03/31T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,2	±	4,2	(A)	< 9,0		-	(A)				
2023/03/31T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,9	±	4,2	(A)	< 9,0		-	(A)				
2023/03/31T17:00:00Z	4,6	±	4,0	(A)	< 6,0		-	(A)	8,9	±	4,2	(A)	< 9,0		-	(A)				
2023/03/31T18:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,6	±	4,2	(A)	< 9,0		-	(A)	20	±	10	(A)
2023/03/31T19:00:00Z	4,9	±	4,0	(A)	< 6,0		-	(A)	9,4	±	4,3	(A)	< 9,0		-	(A)				
2023/03/31T20:00:00Z	4,4	±	4,0	(A)	< 6,0		-	(A)	9,0	±	4,3	(A)	< 9,0		-	(A)				
2023/03/31T21:00:00Z	11	±	4	(A)	< 6,0		-	(A)	21	±	5	(A)	< 9,0		-	(A)				
2023/03/31T22:00:00Z	11	±	4	(A)	< 6,0		-	(A)	21	±	5	(A)	< 9,0		-	(A)	26	±	10	(A)
2023/03/31T23:00:00Z	9,0	±	4,3	(A)	< 6,0		-	(A)	19	±	5	(A)	< 9,0		-	(A)				
2023/04/01T00:00:00Z	8,1	±	4,2	(A)	< 6,0		-	(A)	16	±	5	(A)	< 9,0		-	(A)				
2023/04/01T01:00:00Z	EQUP		-	(•)			-	(4)	EQUP		-	()	< 9,0		-	(A)				
2023/04/01T02:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	9,2	±	4,3	(A)	< 9,0		-	(A)	18	±	10	(A)
2023/04/01T03:00:00Z			-	(A)	< 6,0		-	(A)	6,4		4,1		< 9,0		-	(A)				` ,
2023/04/01T04:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,9	±	4,2	(A)	< 9,0		-	(A)				
2023/04/01T05:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)				
2023/04/01T06:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,7	±	4,1	(A)	< 9,0		-	(A)	15	±	10	(A)
2023/04/01T07:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,7	±	4,2	(A)	< 9,0		-	(A)				()
2023/04/01T08:00:00Z	5,4	±	4,0	(A)	6,1	±	4,1	(A)	14	±	5	(A)	< 9,0		-	(A)				
2023/04/01T09:00:00Z	7,8	±	4,2	(A)	9,1	±	4,3	(A)	21	±	5	(A)	< 9,0		-	(A)				
2023/04/01T10:00:00Z	5,8	±	4,1	(A)	9,6	±	4,3	(A)	19	±	5	(A)	< 9,0		-	(A)	<		_	(A)
2023/04/01T11:00:00Z	5,8	±	4,1	(A)	9,1	±	4,3	(A)	18	±	5	(A)	< 9,0		-	(A)	10			(, ,)
2023/04/01T12:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,4	±	4,2	(A)	< 9,0		-	(A)				
2023/04/01T13:00:00Z	< 4,0		-	(A)	6,4	±	4,1	(A)	10	±	4	(A)	< 9,0		-	(A)				
2023/04/01T14:00:00Z	< 4,0		-	(A)	7,1	±	4,1	(A)	11	±	4	(A)	< 9,0		-	(A)	<		_	(A)
2023/04/01T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	10	±	4	(A)	< 9,0		-	(A)	10			(, ,)
2023/04/01T16:00:00Z	< 4,0		-	(A)	8,3	±	4,2	(A)	13	±	4	(A)	< 9,0		-	(A)				
2023/04/01T17:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,7	±	4,2	(A)	< 9,0		-	(A)				
2023/04/01T18:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	12	±	4	(A)	< 9,0		-	(A)	10		-	(A)
2023/04/01T19:00:00Z	4,8	±	4,0	(A)	6,4	±	4,1	(A)	14	±	5	(A)	< 9,0		-	(A)	.0			



PAC acreditação



ANEXO IX- CERTIFICADO DE ACREDITAÇÃO DA SONDARLAB

Data	NO ± In	ıc. E	Expan	dida				ndida	NOx ± Ir	nc.	Expar	ndida	SO ₂ ± In	1C.	Expar	ndida		хра	0± Ir andic	da
		μg/r	m³		<u> </u>	μg/ı	m³			μg/r	m³			μg/r	m³			μç	g/m³	
2023/04/01T20:00:00Z	10	±	4	(A)	9,3	±	4,3	(A)	25	±	5	(A)	< 9,0	Ľ		(A)		Ш	<u> </u>	<u> </u>
2023/04/01T21:00:00Z	14	±	5	(A)	15	±	5	(A)	36	±	6	(A)	< 9,0	<u></u>	-	(A)			l '	
2023/04/01T22:00:00Z	11	±	4	(A)	12	±	4	(A)	29	±	6	(A)	< 9,0	<u> </u>	-	(A)	13	±	9	(A)
2023/04/01T23:00:00Z	11	±	4	(A)	15	±	5	(A)	31	±	6	(A)	< 9,0	<u> </u>	-	(A)	10	-	اقا	(71)
2023/04/02T00:00:00Z	11	±	4	(A)	16	±	5	(A)	32	±	6	(A)	< 9,0	<u> </u>		(A)		Ш	<u> </u>	
2023/04/02T01:00:00Z	8,0	±	4,2	(A)	12	±	4	(A)	24	±	5	(A)	11	±	5	(A)			l '	
2023/04/02T02:00:00Z	8,2	±	4,2	(A)	15	±	5	(A)	28	±	6	(A)	11	±	5	(A)	11	±	9	(A)
2023/04/02T03:00:00Z	8,4	±	4,2	(A)	16	±	5	(A)	29	±	6	(A)	< 9,0	'	-	(A)] ' ' '	-	اقا	(/~)
2023/04/02T04:00:00Z	6,9	±	4,1	(A)	12	±	4	(A)	22	±	5	(A)	< 9,0		-	(A)		Ш	<u> </u>	
2023/04/02T05:00:00Z	6,1	±	4,1	(A)	12	±	4	(A)	21	±	5	(A)	< 9,0			(A)	['	[Ī '	
2023/04/02T06:00:00Z	6,0	±	4,1	(A)	8,9	±	4,2	(A)	18	±	5	(A)	< 9,0		-	(A)	<		_	(A)
2023/04/02T07:00:00Z	4,7	±	4,0	(A)	7,6	±	4,2	(A)	15	±	5	(A)	< 9,0		-	(A)	10		ا آ	(/\)
2023/04/02T08:00:00Z	6,4	±	4,1	(A)	17	±	5	(A)	27	±	6	(A)	< 9,0		-	(A)			L'	<u> </u>
2023/04/02T09:00:00Z	9,3	±	4,3	(A)	21	±	5	(A)	35	±	6	(A)	< 9,0		-	(A)			 	
2023/04/02T10:00:00Z	12	±	4	(A)	19	±	5	(A)	36	±	7	(A)	< 9,0	\Box'	-	(A)	<			/^/
2023/04/02T11:00:00Z	5,0	±	4,0	(A)	7,3	±	4,2	(A)	15	±	5	(A)	< 9,0		-	(A)	10		-	(A)
2023/04/02T12:00:00Z	< 4,0		-	(A)	6,2	±	4,1	(A)	11	±	4	(A)	< 9,0		-	(A)	1 '		l '	
2023/04/02T13:00:00Z	< 4,0	Г	-	(A)	< 6,0	Г	-	(A)	7,9	±	4,2	(A)	< 9,0		-	(A)		П		
2023/04/02T14:00:00Z	< 4,0	Г	-	(A)	< 6,0	Г	-	(A)	7,4	±	4,2	(A)	< 9,0		-	(A)	<			,,,
2023/04/02T15:00:00Z	< 4,0	М	-	(A)	< 6,0	М	-	(A)	6,2	±	4,1	(A)	< 9,0	\Box	-	(A)	10		-	(A)
2023/04/02T16:00:00Z	< 4,0	М		(A)	< 6,0	М	-	(A)	7,9	±	4,2	(A)	< 9,0	\Box	-	(A)	1 '		l '	
2023/04/02T17:00:00Z	< 4,0		-	(A)	< 6,0	\Box	-	(A)	8,8	±	4,2	(A)	< 9,0	\Box	-	(A)		\square		
2023/04/02T18:00:00Z	4,1	±	4,0	(A)	< 6,0	M	-	(A)	9,8	±	4,3	(A)	< 9,0	M	-	(A)	<		l '	
2023/04/02T19:00:00Z	6,7	±	4,1	(A)	< 6,0	M	-	(A)	12	±	4	(A)	< 9.0	M	-	(A)	10		-	(A)
2023/04/02T20:00:00Z	11	±	4	(A)	< 6,0	M	-	(A)	21	±	5	(A)	< 9,0	M	-	(A)	1 '		l '	
2023/04/02T21:00:00Z	10	±	4	(A)	< 6,0	M	-	(A)	20	±	5	(A)	11	±	5	(A)		T	Г	
2023/04/02T22:00:00Z	9,0	±	4,3	(A)	< 6,0	\Box	-	(A)	16	±	5	(A)	13	±	5	(A)	ا _ ا		ا ۱. ا	,,,
2023/04/02T23:00:00Z	8,1	±	4,2	(A)	< 6,0	M	-	(A)	17	±	5	(A)	17	±	6	(A)	17	±	10	(A)
2023/04/03T00:00:00Z	7,1	±	- 	(A)	< 6,0	\sqcap	-	(A)	14	±	5	(A)	12	±	5	(A)	'			
2023/04/03T01:00:00Z	4,7	±	4,0	(A)	< 6,0	\sqcap	-	(A)	11	±	4	(A)	15	±	5	(A)	†	$ \Box $		
2023/04/03T02:00:00Z	< 4,0	M		(A)	< 6,0	\sqcap	-	(A)	8,1	±	4,2	(A)	16	±	5	(A)	<			l
2023/04/03T03:00:00Z	< 4.0	Г		(A)	< 6,0	\sqcap	Γ-	(A)	8,8	±	4,2	(A)	10	±	5	(A)	10		-	(A)
2023/04/03T04:00:00Z	< 4,0	Г		(A)	< 6,0	\sqcap	-	(A)	7,3	±	4,1	(A)	< 9,0	 	Ī.	(A)	1		l '	
2023/04/03T05:00:00Z	< 4,0	\vdash	-	(A)	6,6	±		(A)	12	±	4	(A)	< 9,0	\vdash	-	(A)	\vdash		\Box	
2023/04/03T06:00:00Z		±	4,1	(A)	7,1	±	4,1	(A)	16	±	5	(A)	< 9,0	-	-	(A)	_		l '	l
2023/04/03T07:00:00Z	9,0	±	4,3	(A)	17	±	5	(A)	31	±	6	(A)	< 9,0	\vdash	-	(A)	10		-	(A)
2023/04/03T08:00:00Z	16	±	5	(A)	72	±	11	(A)	97	±	14	(A)	< 9,0	-	-	(A)	1		l '	
2023/04/03T09:00:00Z	23	±	5	(A)	79	±	12	(A)	115	±	16	(A)	< 9,0	-	-	(A)	 		\Box	
2023/04/03T10:00:00Z		±	5	(A)	46	±	8	(A)	80	±	12	(A)	< 9,0	H	_	(A)	<			ĺ , , ,
2023/04/03T11:00:00Z		±	5	(A)	18	±	5	(A)	40	±	7	(A)	< 9,0	H	_	(A)	10		-	(A)
2023/04/03T11:00:00Z	5,8	±	1	(A)	6,4	±		(A)	15	±	5	(A)	< 9,0	\vdash	-	(A)	'			
2023/04/03T12:00:00Z		±		(A)	< 6,0	广	-, 1	(A)	16	±	5	(A)	< 9,0	\vdash	_	(A)	\vdash	$\mid \rightarrow \mid$		
2023/04/03T14:00:00Z		±		(A)	< 6,0	\vdash	-	(A)	12	±	4	(A)	< 9,0	一	_	(A)	<		l '	
2023/04/03T15:00:00Z		广	-	(A)	< 6,0	\vdash	-	(A)	12	±	4	(A)	< 9,0	\vdash	<u>├</u>	(A)	10		-	(A)
2023/04/03T16:00:00Z	4,3	±	4,0	(A)	< 6,0	H	-	(A)	9,4	±	4,3	(A)	< 9,0	\vdash		(A)	'		l '	
2023/04/03T17:00:00Z		±	4,0	(A)	< 6,0	\vdash	-	(A)	12	±	4	(A)	< 9,0	\vdash	+	(A)	\vdash	\vdash	\Box	
2023/04/03T18:00:00Z		±		(A)	< 6,0	H	-	(A)	16	±	5	(A)	< 9,0	\vdash		(A)	'		l '	
2023/04/03T18:00:00Z	10	±		(A)	6,4	±		(A)	22	1 1	5	(A)	< 9,0	\vdash	<u> </u>	(A)	15	±	10	(A)
						₽	4,1			±	5			\vdash	H	(A)	'		l '	
2023/04/03T20:00:00Z		±		(A)	< 6,0	\vdash		(A)	20	±		(A)	< 9,0	는	5.0		+-	₩	-	
2023/04/03T21:00:00Z		±	-	(A)	< 6,0	⊣	-	(A)	11	±	4	(A)	9,2	±	5,0	(A)	17	±	10	(A)
2023/04/03T22:00:00Z	5,9	±	4,1	(A)	< 6,0	Ш	ـــــــــــــــــــــــــــــــــــــــ	(A)	12	±	4	(A)	10	±	5	(A)	L'	Ш	<u>'</u>	<u></u>





ANEXO IX- CERTIFICADO DE ACREDITAÇÃO DA SONDARLAB

Data				dida		$NO_2 \pm Inc. Expar$ $\mu g/m^3$		ıdida				ndida				ndida		хра	0± Ir	
		ug/ı	m³			μg/ı	m³	1		μg/ı		•		μg/I	m³	•		μς	J/m³	
2023/04/03T23:00:00Z	4,2	±	4,0	(A)	< 6,0		-	(A)	8,5	±	4,2	(A)	10	±	5	(A)				
2023/04/04T00:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,2	±	4,1	(A)	11	±	5	(A)				
2023/04/04T01:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,8	±	4,2	(A)	10	±	5	(A)				
2023/04/04T02:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	10	±	4	(A)	11	±	5	(A)	<		_	(A)
2023/04/04T03:00:00Z	< 4,0		-	(A)	6,2	±	4,1	(A)	12	±	4	(A)	9,3	±	5,0	(A)	10		_	(٨)
2023/04/04T04:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	11	±	4	(A)	< 9,0		-	(A)				
2023/04/04T05:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	11	Ŧ	4	(A)	< 9,0		-	(A)				
2023/04/04T06:00:00Z	7,7	±	4,2	(A)	13	±	4	(A)	25	±	5	(A)	< 9,0		-	(A)	<			/ / / / /
2023/04/04T07:00:00Z	11	±	4	(A)	13	±	5	(A)	30	±	6	(A)	< 9,0		-	(A)	10		-	(A)
2023/04/04T08:00:00Z	10,0	±	4,3	(A)	12	±	4	(A)	27	±	6	(A)	< 9,0		-	(A)				
2023/04/04T09:00:00Z	6,1	±	4,1	(A)	10	±	4	(A)	19	±	5	(A)	< 9,0		-	(A)				
2023/04/04T10:00:00Z	4,5	±	4,0	(A)	9,8	±	4,3	(A)	17	±	5	(A)	< 9,0		-	(A)	<			(4)
2023/04/04T11:00:00Z	< 4,0		_	(A)	6,7	±	4,1	(A)	10	±	4	(A)	< 9.0		-	(A)	10		-	(A)
2023/04/04T12:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	8,7	±	4,2	(A)	< 9,0		-	(A)				
2023/04/04T13:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	6,7	±	4,1	(A)	< 9,0		-	(A)				
2023/04/04T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	9,0	±	4,2	(A)	< 9,0		-	(A)	<			
2023/04/04T15:00:00Z	< 4,0		_	(A)	< 6,0		-	(A)	9,0	±	4,2	(A)	< 9,0		_	(A)	10		-	(A)
2023/04/04T16:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,5	±	4,2	(A)	< 9,0		_	(A)				
2023/04/04T17:00:00Z	< 4,0		-	(A)	< 6.0		-	(A)	8,0	±	4,2	(A)	< 9,0		_	(A)				
2023/04/04T17:00:00Z			_		< 6.0		-								_		_			
	< 4,0			(A)				(A)	9,1	±	4,3	(A)	< 9,0			(A)	10		-	(A)
2023/04/04T19:00:00Z	8,0	±	4,2	(A)	< 6,0		-	(A)	16	±	5	(A)	< 9,0		-	(A)	10			
2023/04/04T20:00:00Z	13	±	5	(A)	7,8	±	4,2	(A)	28	±	6	(A)	9,7	±	5,0	(A)				
2023/04/04T21:00:00Z	7,7	±	4,2	(A)	< 6,0		-	(A)	17	±	5	(A)	14	±	5	(A)				
2023/04/04T22:00:00Z	5,1	±	4,0	(A)	< 6,0		-	(A)	11	±	4	(A)	14	±	5	(A)	13	±	9	(A)
2023/04/04T23:00:00Z	4,3	±	4,0	(A)	< 6,0		-	(A)	10	±	4	(A)	16	±	5	(A)				` ,
2023/04/05T00:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	9,1	±	4,3	(A)	16	±	5	(A)				
2023/04/05T01:00:00Z	6,4	±	4,1	(A)	< 6,0		-	(A)	14	±	5	(A)	15	±	5	(A)				
2023/04/05T02:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,0	±	4,1	(A)	12	±	5	(A)	10	±	9	(A)
2023/04/05T03:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	6,7	±	4,1	(A)	< 9,0		-	(A)				()
2023/04/05T04:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,7	±	4,2	(A)	< 9,0		-	(A)				
2023/04/05T05:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	8,4	±	4,2	(A)	< 9,0		-	(A)				
2023/04/05T06:00:00Z	4,6	±	4,0	(A)	< 6,0		-	(A)	10	±	4	(A)	< 9,0		-	(A)	<		_	(A)
2023/04/05T07:00:00Z	8,8	±	4,2	(A)	6,7	±	4,1	(A)	20	±	5	(A)	< 9,0		-	(A)	10			(71)
2023/04/05T08:00:00Z	15	±	5	(A)	14	±	5	(A)	36	±	7	(A)	< 9,0		-	(A)				
2023/04/05T09:00:00Z	7,5	±	4,2	(A)	< 6,0		-	(A)	17	±	5	(A)	< 9,0		-	(A)				
2023/04/05T10:00:00Z	7,2	±	4,1	(A)	8,0	±	4,2	(A)	19	±	5	(A)	< 9,0		-	(A)	<		_	(A)
2023/04/05T11:00:00Z	9,1	±	4,3	(A)	7,4	±	4,2	(A)	21	±	5	(A)	< 9,0		-	(A)	10		-	(٨)
2023/04/05T12:00:00Z	5,6	±	4,1	(A)	< 6,0		•	(A)	13	±	5	(A)	< 9,0		-	(A)				
2023/04/05T13:00:00Z	4,9	±	4,0	(A)	< 6,0		-	(A)	10	±	4	(A)	< 9,0		-	(A)				
2023/04/05T14:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	7,5	±	4,2	(A)	< 9,0		-	(A)	<			/ / / / /
2023/04/05T15:00:00Z	< 4,0		-	(A)	< 6,0		-	(A)	< 6,0		-	(A)	< 9,0		-	(A)	10		-	(A)
2023/04/05T16:00:00Z	5,5	±	4,1	(A)	< 6,0		-	(A)	12	±	4	(A)	< 9,0		-	(A)				
2023/04/05T17:00:00Z	8,1	±	4,2	(A)	< 6,0		-	(A)	17	±	5	(A)	< 9,0		-	(A)				
2023/04/05T18:00:00Z	11	±	4	(A)	< 6,0		-	(A)	21	±	5	(A)	< 9,0		-	(A)	_ [^	/A \
2023/04/05T19:00:00Z	13	±	5	(A)	< 6,0		-	(A)	25	±	5	(A)	< 9,0		-	(A)	11	±	9	(A)
2023/04/05T20:00:00Z	19	±	5	(A)	9,9	±	4,3	(A)	39	±	7	(A)	12	±	5	(A)	1			
2023/04/05T21:00:00Z	17	±	5	(A)	6,6	±	4,1	(A)	32	±	6	(A)	14	±	5	(A)				
2023/04/05T22:00:00Z	13	±	5	(A)	< 6,0	_	-	(A)	24	±	5	(A)	16	±	6	(A)				
2023/04/05T23:00:00Z	9,3	±	4,3	(A)	< 6,0		-	(A)	19	±	5	(A)	18	±	6	(A)	19	±	10	(A)
2023/04/06T00:00:00Z	8,6	±	4,2	(A)	< 6,0		-	(A)	17	±	5	(A)	19	±	6	(A)				
2020/04/00100.00.002	0,0	Ŀ	7,4	(, ,)	` 0,0			(, ,)	,	Ŀ	J	(' ')		ı÷.	J	V V				

A – Valor Horário Acreditado





LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 24 – Resultados médios diários referentes às medições realizadas no ponto de medição P1 – 8ª Campanha

Período de Integração	24	‡H		24	Н		24	‡H		24H		24H		
Data	NO ± Ir	nc. I	Ехр.	NO2 ± Ir	nc.	Ехр.	NOx ± I	nc. E	хр.	SO2 ± Inc. Ex	φ.	PM10 ± In	c. E	кр.
Data	μg	/m³		μg/	m³		μg	/m³		μg/m³		μg/m	3	
30/03/2023	< 4,0		-	< 6,0		-	10	±	4	< 9,0	-	20	±	9
31/03/2023	4,2	±	4,0	< 6,0		-	10	±	4	< 9,0	-	20	±	9
01/04/2023	5,3	±	4,0	7,3	±	4,1	15	±	4	< 9,0	-	12	±	9
02/04/2023	6,4	±	4,0	8,0	±	4,1	18	±	4	< 9,0	-	< 10		-
03/04/2023	7,7	±	4,1	13	±	4	25	±	5	< 9,0	-	10	±	9
04/04/2023	5,0	±	4,0	6,0	±	4,0	14	±	4	< 9,0	-	< 10		-
05/04/2023	8,0	±	4,1	< 6,0		-	17	±	4	< 9,0	-	11	±	9

LQI – Limite de Quantificação Inferior (valores com indicação de "inferior a")

Tabela 25 - Condições de temperatura e humidade relativa no interior do abrigo onde foram realizados os ensaios de medição - 8ª campanha

Indicador estatístico	Humidade Relativa (%) [*]	Temperatura (°C) [*]
Média	59	19
Máximo Horário	73	20
Mínimo Horário	39	18

^{[*] –} Ensaio fora do âmbito da acreditação da Sondarlab, Lda.

