

आवंटन तिथि: 13.11.2023

रज. आरं. खफ. संख्या: SR00054, SR00055, SR00056

क्रम संख्या: SR00054, SR00055, SR00056

पैरामीटर: SO<sub>2</sub> (Ambient)

नमूना जांच की तिथि: 13.11.2023

कुल नमूनों की संख्या: 18

सुपरवाइजर का नाम: मॉ. रज. रफीक

RDCL/APP/2324/SR00054, RDCL/APP/2324/SR00055, RDCL/APP/2324/SR00056,								
SO <sub>2</sub>								
Code	Time	Avg F/R	T. sample	S. taken	Abs(s)	intercept	slope	Conc. (µg/m <sup>3</sup> )
	(mins)	(LPM)	(ml)	(ml)				
Blank			30	10	0.013			
GS2/L00223	241	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00224	214	1.00	30	10	0.017	0.0127	0.0117	5
GS2/L00225	240	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00226	210	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00227	241	1.00	30	10	0.032	0.0127	0.0117	21
GS2/L00228	210	1.00	30	10	0.020	0.0127	0.0117	9
GS2/L00229	239	1.00	30	10	0.019	0.0127	0.0117	7
GS2/L00230	212	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00231	242	1.00	30	10	0.018	0.0127	0.0117	6
GS2/L00232	216	1.00	30	10	0.025	0.0127	0.0117	15
GS2/L00233	222	1.00	30	10	0.038	0.0127	0.0117	30
GS2/L00234	216	1.00	30	10	0.022	0.0127	0.0117	11
GS2/L00235	220	1.00	30	10	0.017	0.0127	0.0117	5
GS2/L00236	230	1.00	30	10	0.018	0.0127	0.0117	6
GS2/L00237	242	1.00	30	10	0.017	0.0127	0.0117	5
GS2/L00238	215	0.96	30	10	0.019	0.0127	0.0117	8
GS2/L00239	240	0.84	30	10	0.032	0.0127	0.0117	25
GS2/L00240	210	1.00	30	10	0.024	0.0127	0.0117	14
Blank				10	0.013			
GS2/L00240				10	0.024			

  

Conc.	Abs. (560nm)
0	0.013
1	0.024
2	0.035
3	0.049
4	0.061
5	0.07
slope	0.0117
intercept	0.0127
correl.	0.9986

  

Calibration curve of SO<sub>2</sub>, Dated 03/11/23

Stand 1 µg = 0.024 (Ab.)

$$SO_2 (\mu g/m^3) = \frac{\text{Absorbance} - \text{Intercept}}{\text{slope}} \times \frac{30000}{10} \times \frac{1}{\text{Total time}} \times \frac{1}{0.98}$$

03/11/23  
13.11.23