

पैरामीटरस: SO₂ (Amb) आवंटन की तारीख - 16.11.23
 नमूना विश्लेषण की तारीख - 16.11.23 प्रस्तुत करने की तारीख - 18.11.23
 पर्यवेक्षक का नाम - Md. A. Rafique. नमूना संख्या - 06+06+06
 प्रयोगशाला नमूना कोड - 2324/RDKL/APP/GS2/L00277, 278, 279, 280, 281, 282
 " " " " /L00283, 284, 285, 286, 287, 288
 " " " " /L00289, 290, 291, 292, 293, 294

RDKL/APP/2324/SR00063, RDKL/APP/2324/SR00064, RDKL/APP/2324/SR00065,								
SO ₂								
Code	Time	Avg F/R	T. sample	S. taken	Abs(s)	intercept	slope	Conc. (µg/m ³)
	(mins)	(LPM)	(ml)	(ml)				
Blank			30	10	0.013			
GS2/L00277	240	1.00	30	10	0.015	0.0127	0.0117	3
GS2/L00278	215	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00279	240	1.00	30	10	0.015	0.0127	0.0117	3
GS2/L00280	210	1.00	30	10	0.015	0.0127	0.0117	3
GS2/L00281	250	1.00	30	10	0.017	0.0127	0.0117	5
GS2/L00282	212	1.00	30	10	0.015	0.0127	0.0117	3
GS2/L00283	241	1.00	30	10	0.015	0.0127	0.0117	2 (BL)
GS2/L00284	212	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00285	239	1.00	30	10	0.015	0.0127	0.0117	3
GS2/L00286	210	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00287	234	1.00	30	10	0.017	0.0127	0.0117	5
GS2/L00288	204	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00289	240	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00290	212	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00291	229	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00292	221	1.00	30	10	0.016	0.0127	0.0117	4
GS2/L00293	240	1.00	30	10	0.021	0.0127	0.0117	9
GS2/L00294	210	1.00	30	10	0.015	0.0127	0.0117	3
GS2/L00290				10	0.016			
Stand 2µg					0.034			

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 SO₂, Dated 03/11/23

$$SO_2 (\mu g/m^3) = \frac{(Abs - Intercept)}{slope} \times \frac{Total\ sample\ vol\ (\mu l)}{Analytical\ sample\ vol\ (\mu l) \times vol.\ of\ Air\ (m^3)}$$

वीरेश्वर
16.11.23

Dr. J. K. Singh
16.11.23