

आवंटन तिथि: 12.11.2023

रज.आर.रजफ. संख्या: RDKL/APP/2324/SR00051

कम संख्या: SR00051, 52 & 53

SR00052, SR00053

पैरामीटर: SO₂ (Ambient)

नमूना ब्याच की तिथि: 12/11/23

कुल नमूनों की संख्या: 18

सुपरवाइजर का नाम: श्री रज. रफीक

RDKL/APP/2324/SR00051, RDKL/APP/2324/SR00052, RDKL/APP/2324/SR00053

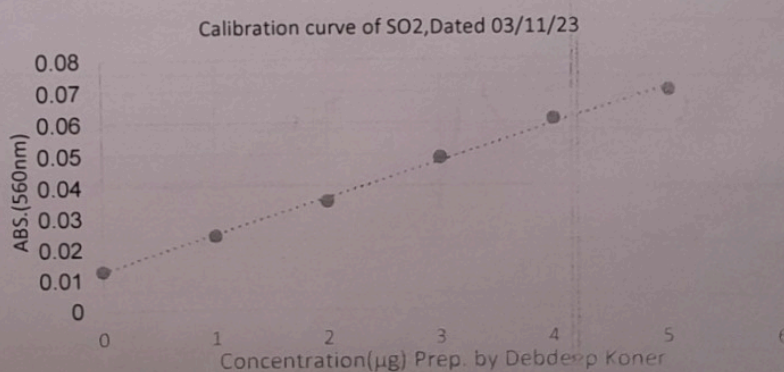
SO₂

| 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/L00205 | 241 | 1.00 | 30 | 10 | 0.015 | 0.0127 | 0.0117 | <3(BDL) |
| GS2/L00206 | 211 | 1.00 | 30 | 10 | 0.015 | 0.0127 | 0.0117 | 3 |
| GS2/L00207 | 240 | 1.00 | 30 | 10 | 0.016 | 0.0127 | 0.0117 | 4 |
| GS2/L00208 | 210 | 1.00 | 30 | 10 | 0.017 | 0.0127 | 0.0117 | 5 |
| GS2/L00209 | 238 | 1.00 | 30 | 10 | 0.016 | 0.0127 | 0.0117 | 4 |
| GS2/L00210 | 211 | 1.00 | 30 | 10 | 0.016 | 0.0127 | 0.0117 | 4 |
| GS2/L00211 | 241 | 1.00 | 30 | 10 | 0.020 | 0.0127 | 0.0117 | 8 |
| GS2/L00212 | 212 | 1.00 | 30 | 10 | 0.016 | 0.0127 | 0.0117 | 4 |
| GS2/L00213 | 241 | 1.00 | 30 | 10 | 0.018 | 0.0127 | 0.0117 | 6 |
| GS2/L00214 | 204 | 1.00 | 30 | 10 | 0.022 | 0.0127 | 0.0117 | 12 |
| GS2/L00215 | 234 | 1.00 | 30 | 10 | 0.021 | 0.0127 | 0.0117 | 9 |
| GS2/L00216 | 222 | 1.00 | 30 | 10 | 0.016 | 0.0127 | 0.0117 | 4 |
| GS2/L00217 | 236 | 1.00 | 30 | 10 | 0.019 | 0.0127 | 0.0117 | 7 |
| GS2/L00218 | 214 | 1.00 | 30 | 10 | 0.018 | 0.0127 | 0.0117 | 6 |
| GS2/L00219 | 241 | 1.00 | 30 | 10 | 0.017 | 0.0127 | 0.0117 | 5 |
| GS2/L00220 | 211 | 1.00 | 30 | 10 | 0.018 | 0.0127 | 0.0117 | 7 |
| GS2/L00221 | 240 | 0.9800 | 30 | 10 | 0.023 | 0.0127 | 0.0117 | 11 |
| GS2/L00222 | 210 | 0.9800 | 30 | 10 | 0.018 | 0.0127 | 0.0117 | 7 |

RDKL/APP/2324/SR00051

0.018

| 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 |



stand 1 µg = 0.024 (Abs)

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

01/11/23