

TABLA : HOJA DE DATOS - MATERIAL PARTICULADO RESPIRABLE (PM_{2.5})

Ciudad : Arequipa
 Nombre/Numero de la Estacion : Unidad de Monitoreo Atmosferico U.M.A.N°02
 Ubicacion : GERENCIA REGIONAL DE SALUD COSTADO IREN
 Metodo de Muestreo y Analisis : (METODO MICRO BALANZA OSCILATORIA)
 Equipo de Muestreo : RUPPERCHT & PATASHINICK - TEOM 1440 A
 Codigo de equipo : 99-002153
 Ultima Calibracion del Equipo : Abril 2016
 ECA : :25 µg/m3 para 24 Horas

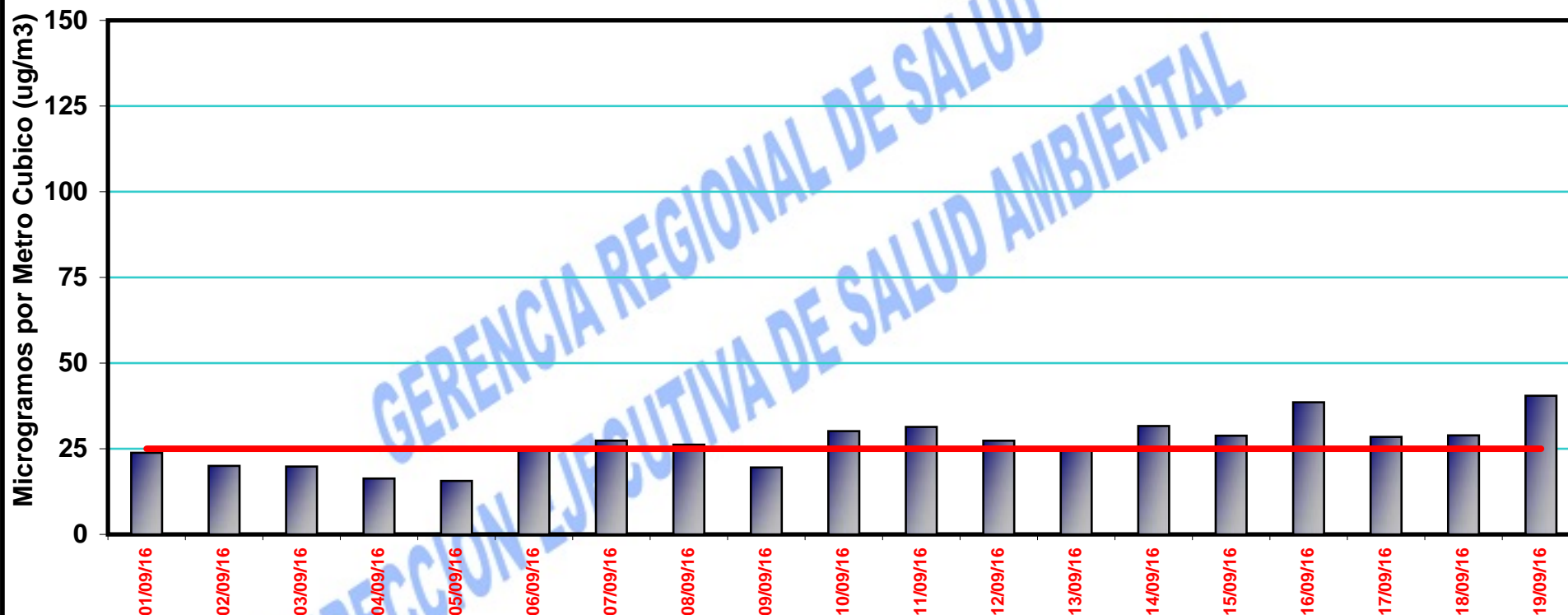
Mes : SETIEMBRE
 Año : 2016
 Semana Epidemiologica : 35-39
 Operador : Ing. Victor Escobedo Romero
 Responsable : Ing. Marcia Vargas Palacios
 Tipo de Data : DESA - AREQUIPA
 Unidades : Horario
 Limite de Deteccion : µg/m3
 : ----- µg/m3



| DIA HORA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | Prom. | Conc. Max. | Conc. Min. | |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|---------------|---------------|----|
| 1:00 | 15.9 | 15.8 | 12.2 | 4.5 | 5.4 | 9.6 | 39.0 | 11.1 | 19.7 | | 40.8 | 30.5 | | 53.5 | 25.0 | 51.2 | 36.0 | 37.3 | 34.7 | 26.0 | 54 | 5 | |
| 2:00 | 20.0 | 12.1 | 11.6 | 4.2 | 9.5 | 19.3 | 26.6 | 14.3 | 17.9 | | 21.5 | 46.0 | | 43.3 | 19.2 | 38.2 | 28.1 | 44.1 | 32.6 | 24.0 | 46 | 4 | |
| 3:00 | 15.8 | 9.9 | 10.3 | 7.4 | 8.1 | 18.3 | 24.4 | 14.6 | 18.0 | | 24.3 | | 36.8 | 40.0 | 24.8 | 34.5 | 27.5 | 38.7 | 29.1 | 22.5 | 40 | 7 | |
| 4:00 | 19.0 | 15.5 | 13.3 | 15.6 | 7.8 | 20.6 | 25.7 | 14.1 | 17.0 | | 40.2 | | 42.9 | 45.1 | 29.7 | 37.3 | 32.7 | 42.1 | 31.1 | 26.5 | 45 | 8 | |
| 5:00 | 10.0 | 16.7 | 15.4 | 15.5 | 12.5 | 18.9 | 16.8 | 12.7 | 18.3 | | 45.9 | | 48.2 | 45.9 | 37.8 | 34.3 | 37.4 | 36.3 | 34.8 | 26.9 | 48 | 10 | |
| 6:00 | 18.7 | 31.9 | 29.5 | 16.5 | 15.1 | 27.6 | 30.3 | 25.3 | 26.3 | | 50.9 | | 52.5 | 57.6 | 43.5 | 38.2 | 34.0 | 37.0 | 35.6 | 33.6 | 58 | 15 | |
| 7:00 | 26.7 | 31.7 | 42.1 | 25.4 | 22.4 | 57.3 | 45.3 | 47.4 | | | 30.1 | | | 66.1 | 62.9 | 60.9 | 52.9 | 61.9 | 62.6 | 46.4 | 66 | 22 | |
| 8:00 | 42.4 | 38.4 | 52.8 | 28.5 | 31.1 | 50.3 | 57.1 | 52.4 | | | 13.6 | | | 38.9 | 46.4 | 78.3 | 47.7 | 44.1 | 63.1 | 45.7 | 78 | 14 | |
| 9:00 | 15.5 | | 36.7 | 27.6 | 17.1 | 27.6 | 48.3 | 26.3 | | | 15.9 | 32.5 | 42.2 | 10.7 | 23.0 | 32.8 | 41.3 | 28.1 | | 28.4 | 48 | 11 | |
| 10:00 | 20.7 | 8.1 | | | 10.9 | 19.9 | 12.5 | 12.4 | | | 11.4 | 19.8 | 14.5 | | | | | 25.2 | 18.4 | | 15.8 | 25 | 8 |
| 11:00 | 6.9 | 5.4 | 0.8 | | 13.1 | 19.7 | 13.0 | 16.1 | | | 11.0 | 12.0 | 8.2 | 40.7 | 39.1 | | | 16.3 | 14.6 | | 15.5 | 41 | 1 |
| 12:00 | 9.7 | 10.0 | | 2.9 | 7.9 | 9.6 | 18.9 | 14.2 | | | 10.2 | 12.7 | 4.7 | 5.7 | 11.1 | 56.0 | | 15.8 | | | 13.5 | 56 | 3 |
| 13:00 | 17.3 | 8.5 | 6.6 | 9.2 | 12.8 | 8.2 | 15.1 | 22.6 | | 17.7 | | 16.9 | 7.8 | 11.9 | 11.9 | 52.6 | | 16.6 | | | 15.7 | 53 | 7 |
| 14:00 | 18.9 | 8.3 | 14.6 | 19.0 | 7.6 | 5.9 | 11.9 | 22.6 | | 14.8 | | 13.6 | 6.3 | 15.1 | 8.1 | 15.6 | 18.6 | 13.4 | | | 13.4 | 23 | 6 |
| 15:00 | 24.9 | 5.5 | 24.5 | 17.8 | 11.3 | 12.1 | 11.1 | 23.8 | | 15.8 | 45.6 | 9.0 | 6.9 | 18.1 | 13.2 | 16.3 | 15.1 | 9.6 | | | 16.5 | 46 | 6 |
| 16:00 | 21.2 | 30.0 | 24.4 | 26.9 | 11.8 | 18.3 | 20.6 | 43.0 | | 38.8 | 41.6 | 13.5 | 8.1 | 16.7 | 13.6 | 15.5 | 13.5 | 17.3 | | | 22.0 | 43 | 8 |
| 17:00 | 18.1 | 9.7 | 27.1 | 21.8 | 12.4 | 20.4 | 30.0 | 18.7 | | 32.3 | 33.5 | 22.7 | 21.6 | 31.4 | 18.1 | 13.0 | 12.9 | 33.0 | | | 22.2 | 34 | 10 |
| 18:00 | 38.9 | 13.8 | 28.3 | 18.9 | 15.9 | 37.6 | 24.1 | 29.4 | | 19.6 | 34.1 | 19.1 | 15.6 | 21.0 | 29.7 | 17.9 | 14.5 | 28.6 | | | 23.9 | 39 | 14 |
| 19:00 | 37.9 | 27.6 | 23.0 | 10.8 | 22.8 | 27.4 | 24.9 | 29.0 | | 32.1 | 31.2 | 35.1 | 12.3 | 20.7 | 17.7 | 23.7 | 16.8 | 23.3 | | | 24.5 | 38 | 11 |
| 20:00 | 41.1 | 42.2 | 30.5 | 14.4 | 29.9 | 25.5 | 43.3 | 37.9 | | | 47.1 | 35.3 | 27.1 | 16.9 | 18.8 | 25.5 | 17.0 | 18.8 | | | 29.5 | 47 | 14 |
| 21:00 | 38.5 | 40.9 | 14.8 | 26.8 | 28.4 | 28.1 | 38.2 | 50.7 | | 39.2 | 30.3 | 29.9 | 30.6 | 30.5 | 32.8 | 51.7 | 26.8 | 27.6 | | | 33.3 | 52 | 15 |
| 22:00 | 39.6 | 32.6 | 14.8 | 14.9 | 15.7 | 40.5 | 36.1 | 38.1 | | 45.5 | 34.1 | 42.7 | 36.1 | 37.8 | 34.0 | 49.4 | 31.8 | 27.8 | | | 33.6 | 49 | 15 |
| 23:00 | 33.5 | 33.1 | 11.0 | 18.0 | 24.4 | 30.6 | 33.9 | 24.1 | | 47.9 | 40.8 | 45.1 | 26.9 | 27.1 | 49.3 | 61.5 | 42.1 | 30.3 | | | 34.1 | 62 | 11 |
| 0:00 | 20.6 | 12.4 | 10.8 | 12.2 | 20.7 | 53.2 | 9.6 | 27.8 | | 27.8 | 35.7 | 55.9 | 47.0 | 32.9 | 52.6 | 43.6 | 37.8 | 29.0 | | | 31.2 | 56 | 10 |
| Prom. | 24 | 20 | 21 | 16 | 16 | 25 | 27 | 26 | 20 | 30 | 31 | 27 | 25 | 32 | 29 | 39 | 28 | 29 | 40 | | | | |
| Conc. Max. | 42 | 42 | 53 | 29 | 31 | 57 | 57 | 52 | 26 | 48 | 51 | 56 | 53 | 66 | 63 | 78 | 53 | 62 | 63 | | | | |
| Conc. Min. | 7 | 5 | 1 | 3 | 5 | 6 | 10 | 11 | 17 | 15 | 10 | 9 | 5 | 6 | 8 | 13 | 13 | 10 | 29 | | | | |

Observaciones : Corte de Luz (*), Mantenimiento (**), Calibracion (***) y Otros (****)
 Reporta: Ing. Victor Escobedo Romero

ESTACION U.M.A. N°02 DESA-PARTICULAS MENORES A 2,5 MICRONES (PM_{2,5})
 PROMEDIO 24 HORAS
 MES DE SETIEMBRE --2016
 VIA DE LA SALUD S/N - AREQUIPA

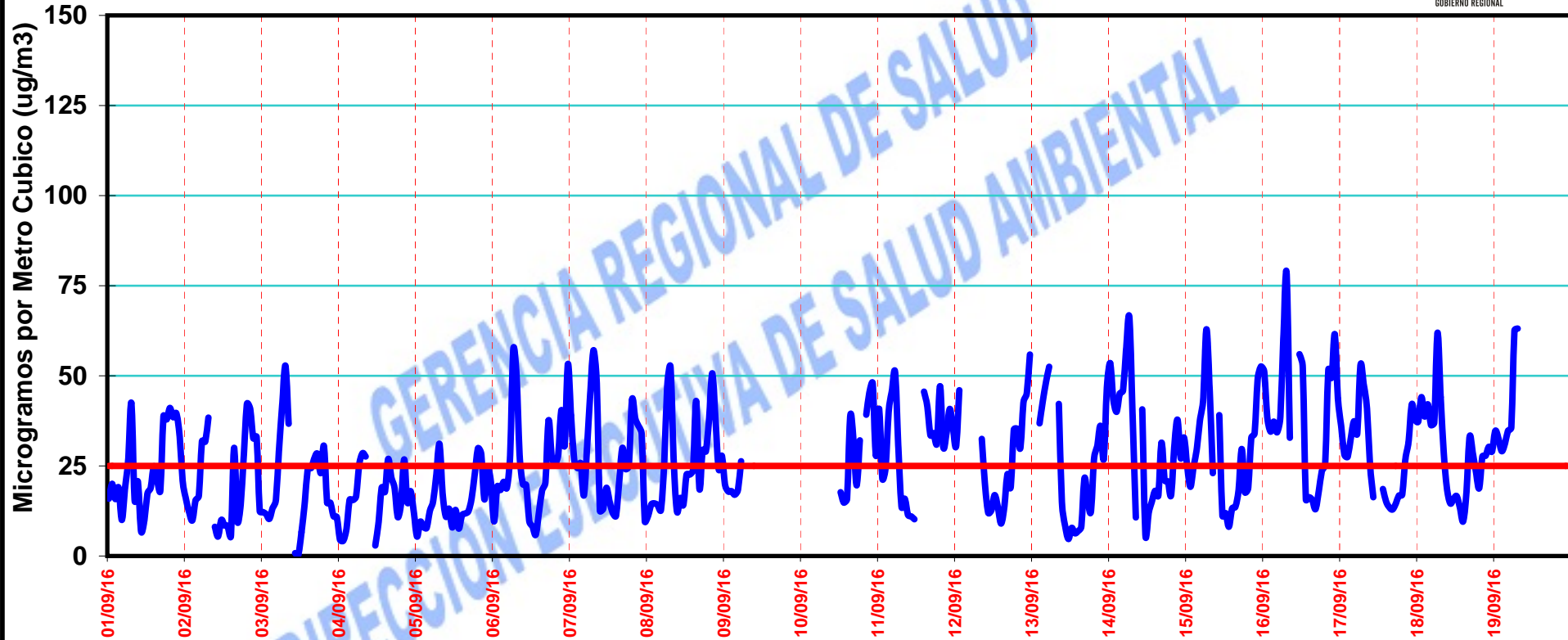


E.C.A. (ESTANDAR DE CALIDAD DE AIRE)
 SEGÚN DECRETO SUPREMO N° 003 - 2008 - MINAM
 EQUIPO RUPPERCHT & PATASHINICK - TEOM 1400 A
 (METODO MICRO BALANZA OSCILATORIA)
 REPORTA ING. VICTOR ESCOBEDO R.

Los datos presentados en esta seccion son preliminares, podrian sufrir modificaciones durante las siguientes etapas de validacion



ESTACION U.M.A. N°02 DESA-PARTICULAS MENORES A 2,5 MICRONES (PM_{2,5})
PROMEDIO HORARIO
MES DE SETIEMBRE- 2016
VIA DE LA SALUD S/N - AREQUIPA



E.C.A. (ESTANDAR DE CALIDAD DE AIRE)
SEGÚN DECRETO SUPREMO N° 003 - 2008 - MINAM
EQUIPO RUPPERCHT & PATASHINICK - TEOM 1400 A
(METODO MICRO BALANZA OSCILATORIA)
REPORTA ING. VICTOR ESCOBEDO R.

Los datos presentados en esta seccion son preliminares, podrian sufrir modificaciones durante las siguientes etapas de validacion

— PROMEDIO 1 HORA
— E.C.A. 24 HORAS

TABLA : HOJA DE DATOS - OZONO TROPOSFERICO (O₃)

Ciudad : Arequipa
 Nombre/Numero de la Estacion : Unidad de Monitoreo Atmosferico U.M.A.N°02
 Ubicacion : AV. VIA DE LA SALUD S/N
 Metodo de Muestreo y Analisis : Fotometria (Metodo Automatico)
 Equipo de Muestreo : Analizador de O3 Troposferico
 Codigo de equipo : Teledyne API M400ES/N 678
 Ultima Calibracion del Equipo : ABRIL 2016
 ECA : 120 µg/m3

Mes : SETIEMBRE
 Año : 2016
 Semana Epidemiologica : :35-39
 Operador : Ing. Marcia Vargas Palacios
 Responsable : Ing. Victor Escobedo Romero
 Tipo de Data : DESA - AREQUIPA
 Unidades : HORARIO
 Limite de Deteccion : µg/m3
 : --- µg/m3

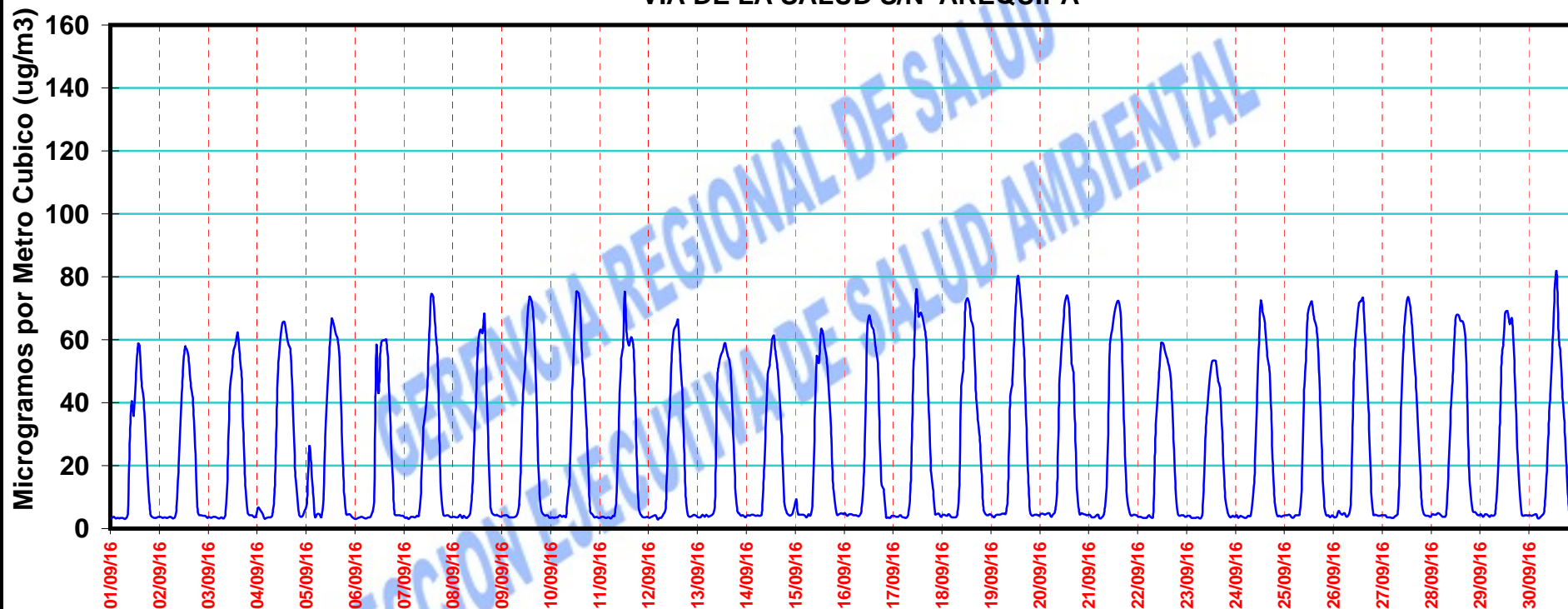


| DIA HORA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Prom. | Conc. Max. | Conc. Min. |
|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|---------------|---------------|
| 1:00 | 3 | 4 | 4 | 7 | 8 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 9 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 9 | 3 |
| 2:00 | 4 | 3 | 3 | 6 | 26 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 26 | 3 |
| 3:00 | 3 | 4 | 4 | 5 | 20 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 6 | 4 | 4 | 5 | 4 | 5 | 20 | 3 |
| 4:00 | 3 | 3 | 4 | 3 | 13 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 3 | 3 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 13 | 3 |
| 5:00 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 5 | 3 |
| 6:00 | 3 | 4 | 3 | 4 | 5 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 3 | 4 | 4 | 4 | 4 | 5 | 3 |
| 7:00 | 3 | 3 | 4 | 4 | 5 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 3 |
| 8:00 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 3 |
| 9:00 | 5 | 6 | 4 | 12 | 9 | 5 | 13 | 5 | 8 | 10 | 12 | 6 | 7 | 13 | 7 | 5 | 13 | 16 | 12 | 12 | 11 | 27 | 12 | 9 | 14 | 8 | 16 | 17 | 14 | 17 | 11 | 27 | 4 |
| 10:00 | 25 | 20 | 18 | 36 | 29 | 8 | 31 | 13 | 20 | 18 | 35 | 28 | 46 | 29 | 31 | 16 | 40 | 44 | 42 | 43 | 33 | 38 | 31 | 19 | 42 | 29 | 41 | 36 | 31 | 32 | 30 | 46 | 8 |
| 11:00 | 40 | 35 | 43 | 51 | 44 | 57 | 37 | 30 | 41 | 41 | 53 | 40 | 52 | 49 | 55 | 39 | 57 | 51 | 46 | 57 | 58 | 48 | 41 | 42 | 55 | 55 | 59 | 48 | 55 | 42 | 47 | 59 | 30 |
| 12:00 | 36 | 50 | 50 | 60 | 56 | 43 | 46 | 40 | 52 | 59 | 58 | 55 | 55 | 52 | 53 | 65 | 76 | 72 | 63 | 66 | 63 | 59 | 49 | 61 | 68 | 64 | 69 | 64 | 58 | 56 | 57 | 76 | 36 |
| 13:00 | 49 | 58 | 56 | 65 | 67 | 58 | 60 | 59 | 66 | 75 | 75 | 63 | 57 | 60 | 63 | 68 | 67 | 73 | 77 | 72 | 68 | 59 | 53 | 72 | 71 | 72 | 74 | 68 | 69 | 74 | 66 | 77 | 49 |
| 14:00 | 59 | 57 | 59 | 66 | 65 | 60 | 74 | 63 | 74 | 75 | 61 | 64 | 59 | 61 | 63 | 64 | 69 | 71 | 80 | 74 | 71 | 56 | 53 | 68 | 72 | 72 | 71 | 68 | 69 | 82 | 67 | 82 | 53 |
| 15:00 | 58 | 54 | 62 | 61 | 62 | 60 | 74 | 62 | 72 | 72 | 58 | 66 | 56 | 56 | 58 | 63 | 67 | 66 | 74 | 70 | 72 | 54 | 53 | 65 | 67 | 73 | 67 | 66 | 65 | 60 | 64 | 74 | 53 |
| 16:00 | 46 | 45 | 54 | 58 | 61 | 60 | 63 | 68 | 69 | 55 | 61 | 54 | 54 | 50 | 54 | 57 | 63 | 64 | 65 | 53 | 69 | 52 | 47 | 55 | 64 | 64 | 56 | 66 | 67 | 57 | 58 | 69 | 45 |
| 17:00 | 40 | 41 | 46 | 57 | 54 | 49 | 53 | 48 | 56 | 46 | 58 | 43 | 50 | 40 | 43 | 52 | 59 | 46 | 51 | 49 | 56 | 46 | 45 | 51 | 60 | 49 | 46 | 62 | 56 | 43 | 50 | 62 | 40 |
| 18:00 | 27 | 26 | 28 | 43 | 31 | 30 | 23 | 28 | 30 | 33 | 39 | 28 | 33 | 27 | 32 | 31 | 41 | 36 | 29 | 31 | 32 | 31 | 29 | 35 | 43 | 34 | 33 | 44 | 42 | 32 | 33 | 44 | 23 |
| 19:00 | 14 | 7 | 12 | 21 | 13 | 16 | 10 | 7 | 11 | 18 | 19 | 8 | 15 | 8 | 17 | 14 | 20 | 28 | 11 | 11 | 12 | 13 | 13 | 18 | 23 | 13 | 19 | 22 | 23 | 18 | 15 | 28 | 7 |
| 20:00 | 5 | 4 | 5 | 12 | 5 | 5 | 4 | 5 | 5 | 5 | 6 | 4 | 6 | 6 | 9 | 13 | 13 | 15 | 5 | 5 | 7 | 5 | 8 | 7 | 7 | 4 | 8 | 11 | 11 | 6 | 7 | 15 | 4 |
| 21:00 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 6 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 6 | 4 |
| 22:00 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 3 |
| 23:00 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 3 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 3 |
| 0:00 | 4 | 3 | 4 | 6 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 7 | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 7 | 3 |
| Prom. | 18 | 19 | 20 | 25 | 25 | 21 | 22 | 20 | 23 | 23 | 24 | 21 | 22 | 21 | 23 | 22 | 26 | 26 | 25 | 25 | 25 | 22 | 20 | 23 | 26 | 25 | 25 | 26 | 25 | 24 | | | |
| Conc. Max. | 59 | 58 | 62 | 66 | 67 | 60 | 74 | 68 | 74 | 75 | 75 | 66 | 59 | 61 | 63 | 68 | 76 | 73 | 80 | 74 | 72 | 59 | 53 | 72 | 72 | 73 | 74 | 68 | 69 | 82 | | | |
| Conc. Min. | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | | | |

Observaciones : Corte de Luz (*), Mantenimiento (**), Calibracion (***) y Otros (****)

Reporta: Ing. Victor Escobedo Romero

ESTACION U.M.A. N°02-DESA - OZONO (O₃)
PROMEDIO HORARIO
MES DE SETIEMBRE-2016
VIA DE LA SALUD S/N AREQUIPA



E.C.A. (ESTANDAR DE CALIDAD DE AIRE)
SEGÚN DECRETO SUPREMO N° 074 - 2001 - PCM
EQUIPO TELEDYNE - MODELO 400 E
(METODO AUTOMATICO FOTOMETRIA UV)
REPORTA: ING. VICTOR ESCOBEDO R.

Los datos presentados en esta seccion son preliminares, podrian sufrir modificaciones durante las siguientes etapas de validacion

— PROMEDIO
1 HORA ug/m3

TABLA : HOJA DE DATOS - OZONO TROPOSFERICO (O₃)

Ciudad : Arequipa
 Nombre/Numero de la Estacion : ELP-01
 Ubicaci3n : AV. VIA DE LA SALUD S/N
 Metodo de Muestreo y Analisis :Fotometria (Metodo Automatico)
 Equipo de Muestreo :Analizador de O3 Troposferico
 Codigo de equipo :Teledyne API M400ES/N 678
 Ultima Calibracion del Equipo : ABRIL 2016
 ECA :120 µg/m3

Mes : SETIEMBRE
 Añ0 : 2016
 Semana Epidemiologica :35-39
 Operador : Ing. Marcia Vargas Palacios
 Responsable : Ing. Victor Escobedo Romero
 Tipo de Data : DESA - AREQUIPA
 Unidades : 8 Horas (Promedio)
 Limite de Deteccion : µg/m3
 --- µg/m3

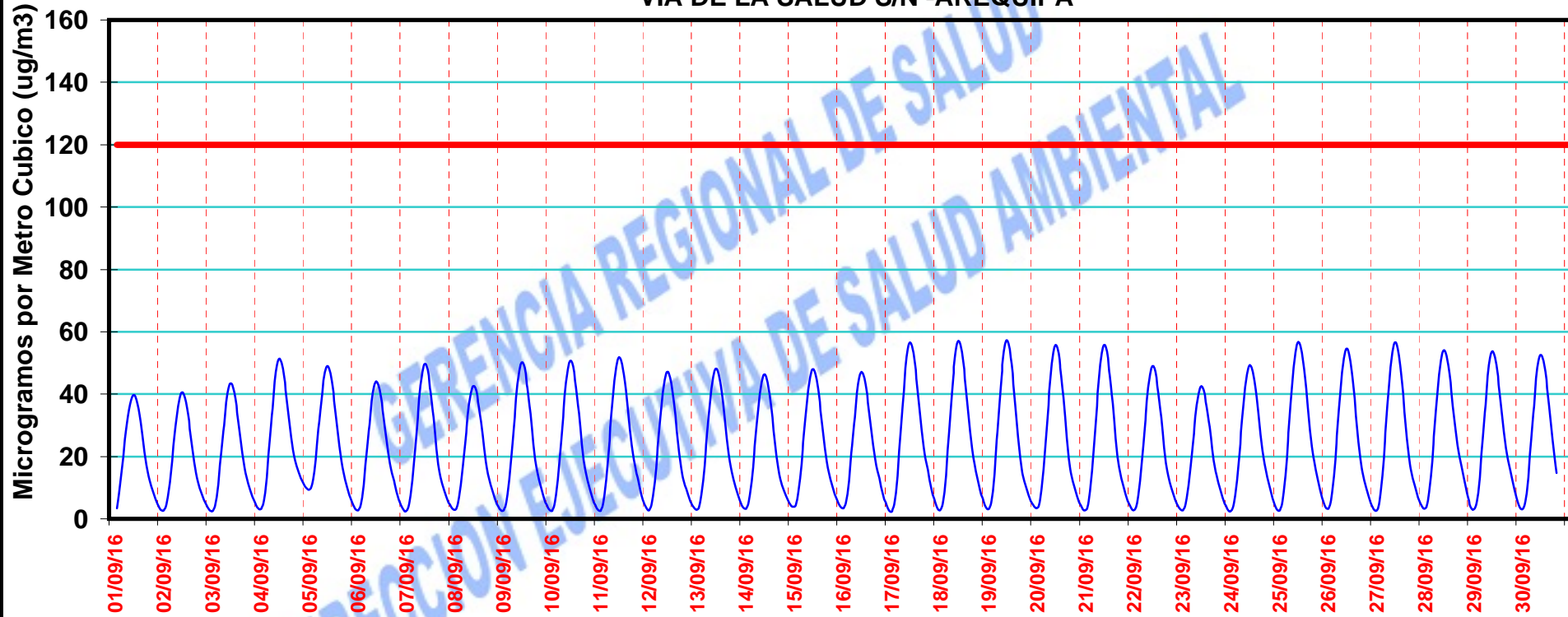


| DIA HORA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Prom. | Conc. Max. | Conc. Min. |
|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|---------------|---------------|
| 01 a 08 | 3 | 41 | 4 | 4 | 10 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 41 | 3 |
| 09 a 16 | 40 | 12 | 43 | 51 | 49 | 44 | 50 | 43 | 50 | 51 | 52 | 47 | 48 | 46 | 48 | 47 | 56 | 57 | 57 | 56 | 56 | 49 | 42 | 49 | 57 | 55 | 57 | 54 | 53 | 53 | 49 | 57 | 12 |
| 17 a 24 | 12 | 4 | 13 | 19 | 15 | 14 | 13 | 13 | 15 | 15 | 17 | 12 | 15 | 13 | 15 | 16 | 19 | 18 | 14 | 14 | 16 | 14 | 14 | 16 | 19 | 15 | 15 | 20 | 19 | 15 | 15 | 20 | 4 |
| Prom. | 18 | 19 | 20 | 25 | 25 | 21 | 22 | 20 | 23 | 23 | 24 | 21 | 22 | 21 | 23 | 22 | 26 | 26 | 25 | 25 | 25 | 22 | 20 | 23 | 26 | 25 | 25 | 26 | 25 | 24 | | | |
| Conc. Max. | 40 | 41 | 43 | 51 | 49 | 44 | 50 | 43 | 50 | 51 | 52 | 47 | 48 | 46 | 48 | 47 | 56 | 57 | 57 | 56 | 56 | 49 | 42 | 49 | 57 | 55 | 57 | 54 | 53 | 53 | | | |
| Conc. Min. | 3 | 4 | 4 | 4 | 10 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |

Observaciones : Corte de Luz (*), Mantenimiento (**), Calibracion (***) y Otros (****)

Reporta: Ing. Victor Escobedo Romero

ESTACION U.M.A. N°02-DESA - OZONO (O₃)
 PROMEDIO DE 8 HORAS
 MES DE SETIEMBRE-2016
 VIA DE LA SALUD S/N -AREQUIPA



E.C.A. (ESTANDAR DE CALIDAD DE AIRE)
 SEGÚN DECRETO SUPREMO N° 074 - 2001 - PCM
 EQUIPO TELEDYNE - MODELO 400 E
 (METODO AUTOMATICO FOTOMETRIA UV)

REPORTA: ING. VICTOR ESCOBEDO R.

Los datos presentados en esta seccion son preliminares, podrian sufrir modificaciones durante las siguientes etapas de validacion



TABLA : HOJA DE DATOS - DIOXIDO DE AZUFRE (SO₂)

Ciudad : Arequipa
 Nombre/Numero de la Estacion : Unidad de Monitoreo Atmosferico U.M.A.N°02
 Ubicación : Via de la Salud S/N
 Metodo de Muestreo y Analisis : (METODO AUTOMATICO (FLUORESCENCIA ULTRAVIOLETA))
 Equipo de Muestreo : Analizador de SO₂
 Codigo de equipo : 99-002153
 Ultima Calibracion del Equipo : Abril 2016
 ECA : 20 µg/m³

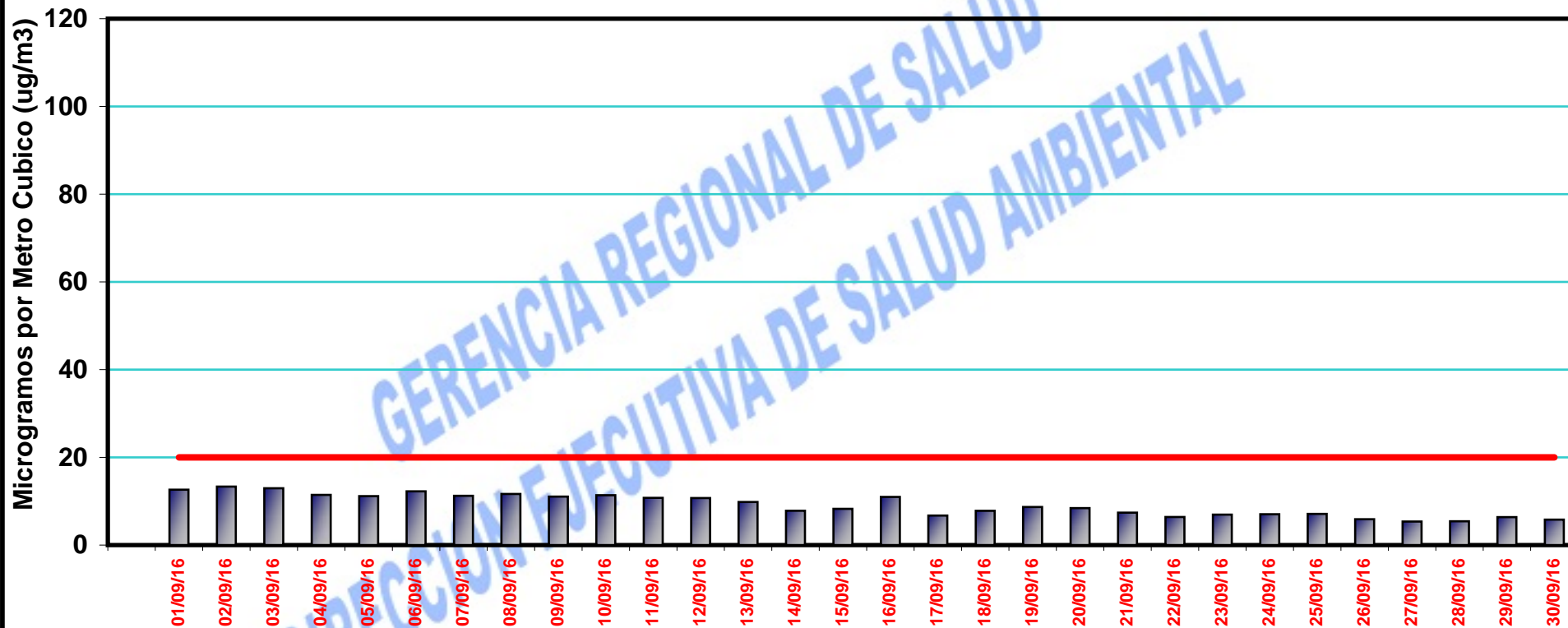
Mes : SETIEMBRE
 Año : 2016
 Semana Epidemiologica : 35-39
 Operador : Ing. Victor Escobedo Romero
 Responsable : Ing. Marcia Vargas Palacios
 Tipo de Data : DESA - AREQUIPA
 Unidades : Horario
 Limite de Deteccion : µg/m³
 : ----- µg/m³



| DIA HORA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Prom. | Conc. Max. | Conc. Min. | |
|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|---------------|---------------|---|
| 1:00 | 16 | 13 | 14 | 10 | 9 | 11 | 13 | 8 | 12 | 12 | 14 | 12 | 11 | 9 | 6 | 16 | 8 | 10 | 6 | 9 | 8 | 7 | 10 | 13 | 15 | 8 | 6 | 4 | 10 | 8 | 10 | 16 | 4 | |
| 2:00 | 14 | 13 | 12 | 9 | 9 | 10 | 12 | 10 | 9 | 10 | 12 | 9 | 9 | 7 | 6 | 14 | 6 | 12 | 7 | 7 | 7 | 6 | 8 | 13 | 15 | 5 | 5 | 4 | 6 | 7 | 9 | 15 | 4 | |
| 3:00 | 12 | 11 | 10 | 9 | 9 | 10 | 10 | 9 | 8 | 10 | 10 | 8 | 9 | 7 | 6 | 12 | 6 | 12 | 6 | 7 | 5 | 5 | 6 | 10 | 10 | 4 | 6 | 4 | 5 | 6 | 8 | 12 | 4 | |
| 4:00 | 11 | 11 | 11 | 11 | 7 | 9 | 10 | 8 | 8 | 12 | 9 | 9 | 8 | 7 | 6 | 9 | 6 | 13 | 6 | 7 | 6 | 5 | 5 | 10 | 8 | 4 | 6 | 3 | 5 | 5 | 8 | 13 | 3 | |
| 5:00 | 11 | 11 | 11 | 15 | 10 | 9 | 10 | 9 | 10 | 9 | 14 | 12 | 10 | 9 | 9 | 6 | 9 | 6 | 10 | 7 | 7 | 6 | 6 | 4 | 9 | 7 | 4 | 7 | 4 | 6 | 5 | 8 | 15 | 4 |
| 6:00 | 13 | 14 | 14 | 14 | 10 | 11 | 11 | 11 | 9 | 13 | 13 | 11 | 12 | 9 | 9 | 10 | 8 | 10 | 10 | 8 | 8 | 8 | 7 | 10 | 9 | 6 | 6 | 7 | 7 | 7 | 10 | 14 | 6 | |
| 7:00 | 14 | 18 | 18 | 13 | 11 | 18 | 12 | 16 | 14 | 16 | 14 | 13 | 16 | 10 | 13 | 12 | 11 | 12 | 15 | 10 | 10 | 10 | 12 | 13 | 10 | 11 | 9 | 8 | 9 | 8 | 13 | 18 | 8 | |
| 8:00 | 16 | 20 | 19 | 13 | 13 | 19 | 14 | 18 | 15 | 15 | 13 | 18 | 17 | 11 | 13 | 15 | 8 | 8 | 18 | 12 | 11 | 14 | 13 | 8 | 7 | 10 | 7 | 7 | 7 | 13 | 20 | 7 | | |
| 9:00 | 15 | 16 | 18 | 13 | 13 | 15 | 14 | 15 | 16 | 11 | 11 | 14 | 15 | 10 | 12 | 13 | 6 | 7 | 12 | 11 | 10 | 7 | 6 | 5 | 5 | 8 | 5 | 6 | 5 | 11 | 18 | 5 | | |
| 10:00 | 14 | 12 | 14 | 12 | 12 | 16 | 10 | 13 | 9 | 13 | 11 | 11 | 10 | 10 | 11 | 12 | 5 | 6 | 7 | 7 | 7 | 5 | 6 | 4 | 4 | 6 | 5 | 6 | 5 | 5 | 9 | 16 | 4 | |
| 11:00 | 12 | 12 | 13 | 12 | 12 | 13 | 10 | 13 | 10 | 14 | 12 | 9 | 9 | 8 | 8 | 12 | 5 | 5 | 7 | 7 | 7 | 5 | 5 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 8 | 14 | 4 | |
| 12:00 | 12 | 11 | 13 | 11 | 11 | 10 | 11 | 14 | 10 | 12 | 11 | 9 | 8 | 7 | 8 | 10 | 6 | 7 | 8 | 7 | 7 | 6 | 6 | 4 | 4 | 5 | 6 | 6 | 4 | 7 | 8 | 14 | 4 | |
| 13:00 | 12 | 11 | 13 | 12 | 10 | 11 | 10 | 12 | 10 | 9 | 10 | 9 | 8 | 8 | 7 | 6 | 6 | 6 | 8 | 8 | 6 | 5 | 5 | 3 | 5 | 4 | 5 | 5 | 4 | 6 | 8 | 13 | 3 | |
| 14:00 | 11 | 11 | 13 | 11 | 10 | 10 | 10 | 11 | 10 | 8 | 7 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 8 | 7 | 6 | 6 | 5 | 3 | 4 | 5 | 5 | 5 | 5 | 5 | 8 | 13 | 3 | |
| 15:00 | 11 | 11 | 12 | 11 | 11 | 10 | 10 | 11 | 10 | 8 | 8 | 9 | 8 | 7 | 7 | 8 | 6 | 6 | 8 | 9 | 6 | 5 | 5 | 3 | 4 | 5 | 6 | 5 | 4 | 6 | 8 | 12 | 3 | |
| 16:00 | 11 | 12 | 12 | 11 | 13 | 10 | 10 | 10 | 10 | 9 | 8 | 8 | 8 | 6 | 7 | 9 | 6 | 6 | 7 | 9 | 6 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 4 | 5 | 8 | 13 | 4 | |
| 17:00 | 12 | 11 | 11 | 11 | 11 | 9 | 10 | 7 | 11 | 7 | 7 | 8 | 7 | 7 | 6 | 7 | 5 | 6 | 9 | 7 | 7 | 5 | 4 | 3 | 4 | 5 | 4 | 4 | 3 | 4 | 7 | 12 | 3 | |
| 18:00 | 10 | 9 | 11 | 10 | 10 | 10 | 10 | 8 | 9 | 8 | 8 | 7 | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 4 | 3 | 2 | 6 | 11 | 2 | |
| 19:00 | 11 | 10 | 11 | 11 | 11 | 11 | 9 | 9 | 8 | 9 | 7 | 8 | 7 | 7 | 7 | 6 | 6 | 7 | 8 | 7 | 6 | 4 | 5 | 4 | 4 | 5 | 4 | 5 | 3 | 3 | 7 | 11 | 3 | |
| 20:00 | 11 | 15 | 12 | 10 | 12 | 12 | 10 | 9 | 10 | 11 | 9 | 11 | 8 | 6 | 6 | 8 | 5 | 5 | 7 | 7 | 4 | 4 | 5 | 3 | 10 | 8 | 4 | 3 | 6 | 5 | 8 | 15 | 3 | |
| 21:00 | 12 | 17 | 13 | 11 | 14 | 13 | 13 | 16 | 17 | 11 | 10 | 10 | 10 | 7 | 8 | 18 | 5 | 6 | 10 | 8 | 8 | 6 | 7 | 4 | 7 | 8 | 5 | 6 | 11 | 7 | 10 | 18 | 4 | |
| 22:00 | 12 | 16 | 12 | 11 | 13 | 17 | 14 | 16 | 16 | 13 | 11 | 13 | 11 | 7 | 10 | 15 | 7 | 6 | 10 | 12 | 9 | 8 | 10 | 6 | 5 | 5 | 6 | 5 | 10 | 7 | 11 | 17 | 5 | |
| 23:00 | 16 | 18 | 13 | 11 | 14 | 17 | 15 | 14 | 14 | 15 | 15 | 18 | 9 | 7 | 12 | 16 | 11 | 8 | 10 | 13 | 11 | 10 | 13 | 11 | 10 | 6 | 5 | 12 | 13 | 6 | 12 | 18 | 5 | |
| 0:00 | 13 | 16 | 12 | 10 | 14 | 14 | 13 | 11 | 11 | 14 | 15 | 16 | 10 | 7 | 14 | 12 | 12 | 8 | 9 | 9 | 10 | 10 | 13 | 18 | 12 | 6 | 5 | 9 | 11 | 7 | 11 | 18 | 5 | |
| Prom. | 13 | 13 | 13 | 11 | 11 | 12 | 11 | 12 | 11 | 11 | 11 | 11 | 10 | 8 | 8 | 11 | 7 | 8 | 9 | 8 | 7 | 6 | 7 | 7 | 7 | 6 | 5 | 5 | 6 | 6 | | | | |
| Conc. Max. | 16 | 20 | 19 | 15 | 14 | 19 | 15 | 18 | 17 | 16 | 15 | 18 | 17 | 11 | 14 | 18 | 12 | 13 | 18 | 13 | 11 | 14 | 13 | 18 | 15 | 11 | 9 | 12 | 13 | 8 | | | | |
| Conc. Min. | 10 | 9 | 10 | 9 | 7 | 9 | 9 | 7 | 8 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 7 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | | | | |

Observaciones : Corte de Luz (*), Mantenimiento (**), Calibracion (***) y Otros (****)
 Reporta: Ing. Victor Escobedo Romero

ESTACION U.M.A. N°02- DESA- DIOXIDO DE AZUFRE (SO₂)
 PROMEDIO 24 HORAS
 MES DE SETIEMBRE-2016
 VIA DE LA SALUD S/N -AREQUIPA

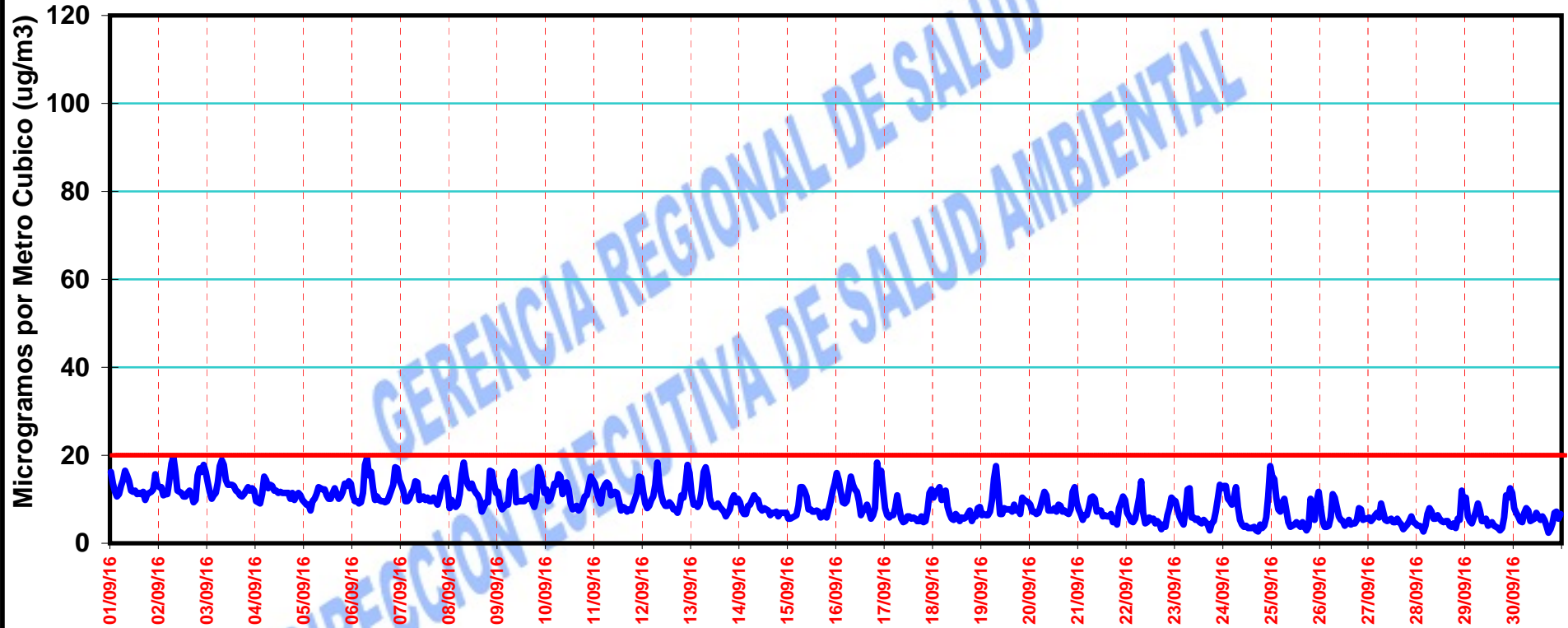


E.C.A. (ESTANDAR DE CALIDAD DE AIRE)
 SEGÚN DECRETO SUPREMO N° 003 - 2008 - MINAM
 EQUIPO API 100A
 (METODO AUTOMATICO - FLUORESCENCIA UV)
 REPORTA ING. VICTOR ESCOBEDO R.

Los datos presentados en esta seccion son preliminares, podrian sufrir modificaciones durante las siguientes etapas de validacion



ESTACION U.M.A. N°02- DESA- DIOXIDO DE AZUFRE (SO2)
PROMEDIO HORARIO
MES DE SETIEMBRE-2016
VIA DE LA SALUD S/N -AREQUIPA



E.C.A. (ESTANDAR DE CALIDAD DE AIRE)
SEGÚN DECRETO SUPREMO N° 003 - 2008 - MINAM
EQUIPO API 100A
(METODO AUTOMATICO - FLUORESCENCIA UV)
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