



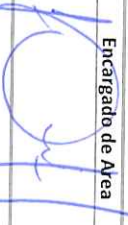

REGISTRO DE DATOS PARA MEDICIONES DE GASES



DOC. RE 114-ST-002-PR  
 COD. REG. S.C. CI. ST-035-RC  
 REVISION: 0  
 EMISION: 23/03/2016

Proyecto: Construcción de la Primera Línea del Metro Quito Cliente: Metro Quito  
 Empresa: CI1 Frente de Trabajo: Santa Clara Encargado: Luis Encalada Fecha: 20-03-2017  
 Equipo Md: SR316-015126 Certificación: SI  No  F. de Calibración: 20-03-2017 Cad. Calibración: 20-06-2017

| Tipo de Gas                                      | Lunes | Pr.   | Martes | Pr.   | Miércoles | Pr.   | Jueves | Pr.   | Viernes | Pr.   | Sábado | Pr. | Domingo | Pr. |
|--|-------|-------|--------|-------|-----------|-------|--------|-------|---------|-------|--------|-----|---------|-----|
| Oxígeno (O <sub>2</sub> )<br>19.5% < 0.2 < 23.5% | Hora  | 09:42 | 10:43  | 10:11 | 10:14     | 10:14 | 10:14  | 10:03 |         |       |        |     |         |     |
|  | Md.   | 20.6  | 20.9   | 20.9  | 20.9      | 20.6  | 20.6   | 20.6  | 20.7    | 20.7  |        |     |         |     |
|  | Hora  | 23:21 | 23:10  | 21:40 | 21:40     | 21:40 | 21:40  | 21:40 | 21:40   | 21:40 |        |     |         |     |
|  | Md.   | 20.7  | 20.8   | 20.9  | 20.8      | 20.7  | 20.7   | 20.7  | 20.7    | 20.7  |        |     |         |     |
| Monóxido de Carbono (CO)<br>30ppm                | Hora  | 09:42 | 10:43  | 10:11 | 10:14     | 10:14 | 10:14  | 10:03 |         |       |        |     |         |     |
|  | Md.   | 0     | 0      | 0     | 0         | 0     | 0      | 0     | 0       | 0     |        |     |         |     |
|  | Hora  | 23:21 | 23:10  | 21:40 | 21:40     | 21:40 | 21:40  | 21:40 | 21:40   | 21:40 |        |     |         |     |
|  | Md.   | 5     | 3      | 14    | 14        | 0     | 0      | 0     | 0       | 0     |        |     |         |     |
| Sulfuro de Hidrógeno (H <sub>2</sub> S)<br>20ppm | Hora  | 09:42 | 10:43  | 10:11 | 10:14     | 10:14 | 10:14  | 10:03 |         |       |        |     |         |     |
|  | Md.   | 0     | 0      | 0     | 0         | 0     | 0      | 0     | 0       | 0     |        |     |         |     |
|  | Hora  | 23:21 | 23:10  | 21:40 | 21:40     | 21:40 | 21:40  | 21:40 | 21:40   | 21:40 |        |     |         |     |
|  | Md.   | 0     | 0      | 0     | 0         | 0     | 0      | 0     | 0       | 0     |        |     |         |     |
| Metano (CH <sub>4</sub> )<br>5.15%               | Hora  | 09:42 | 10:43  | 10:11 | 10:14     | 10:14 | 10:14  | 10:03 |         |       |        |     |         |     |
|  | Md.   | 0     | 0      | 0     | 0         | 0     | 0      | 0     | 0       | 0     |        |     |         |     |
|  | Hora  | 23:21 | 23:10  | 21:40 | 21:40     | 21:40 | 21:40  | 21:40 | 21:40   | 21:40 |        |     |         |     |
|  | Md.   | 0     | 0      | 0     | 0         | 0     | 0      | 0     | 0       | 0     |        |     |         |     |
| Otros  | Hora  | 09:42 | 10:43  | 10:11 | 10:14     | 10:14 | 10:14  | 10:03 |         |       |        |     |         |     |
|  | Md.   | 0     | 0      | 0     | 0         | 0     | 0      | 0     | 0       | 0     |        |     |         |     |
|  | Hora  | 23:21 | 23:10  | 21:40 | 21:40     | 21:40 | 21:40  | 21:40 | 21:40   | 21:40 |        |     |         |     |
|  | Md.   | 0     | 0      | 0     | 0         | 0     | 0      | 0     | 0       | 0     |        |     |         |     |

Responsable de Area: Luis Encalada Firma: \_\_\_\_\_ Encargado de Area:  Firma: \_\_\_\_\_  
 Técnico de Seguridad: Teresa Mora Firma: 



## REGISTRO DE DATOS PARA MEDICIONES DE GASES



DOC. REF: SC-CL1-ST-002-PR  
 COD. REG: SC-CL1-ST-035-RC  
 REVISION: 0  
 EMISION: 23/03/2016

|            |  |                             |                              |
|------------|--|-----------------------------|------------------------------|
| Proyecto:  | Construcción de la primera línea del Metro Quito | Cliente:                    | Metro Quito                  |
| Empresa:   | CLL  | Encargado:                  | Luis Encalada                |
| Equipo Md: | Gas Alert Micio 5 - SR 316-01526                 | Fecha:                      | 15-05-2017                   |
|            | Certificación:                                   | F. de Calibración:          | 01-05-2017                   |
|            | Si <input checked="" type="checkbox"/>           | No <input type="checkbox"/> | Cad. Calibración: 01-08-2017 |

| Tipo de Gas   | Lunes |       | Pr. | Martes |     | Pr.   | Miércoles |       | Pr. | Jueves |     | Pr.   | Viernes |       | Pr. | Sábado |     | Pr. | Domingo |     | Pr. |
|---|-------|-------|-----|--------|-----|-------|-----------|-------|-----|--------|-----|-------|---------|-------|-----|--------|-----|-----|---------|-----|-----|
|   | Hora  | Md.   |     | Hora   | Md. |       | Hora      | Md.   |     | Hora   | Md. |       | Hora    | Md.   |     | Hora   | Md. |     | Hora    | Md. |     |
| Oxígeno (O <sub>2</sub> )<br>19,5% < O <sub>2</sub> < 23,5% | Hora  | 19:33 |     | 19:43  |     | 19:15 |           | 19:40 |     | 19:16  |     | 18:07 |         | 18:07 |     |        |     |     |         |     |     |
|   | Md.   | 20,9  |     | 20,9   |     | 20,9  |           | 20,9  |     | 20,9   |     | 20,9  |         | 20,9  |     |        |     |     |         |     |     |
|   | Hora  | 23:50 |     | 23:21  |     | 23:22 |           | 23:25 |     | 23:09  |     | 23:40 |         | 23:40 |     |        |     |     |         |     |     |
|   | Md.   | 20,9  |     | 20,9   |     | 20,9  |           | 20,9  |     | 20,9   |     | 20,9  |         | 20,9  |     |        |     |     |         |     |     |
|   | Hora  | 1:30  |     | 1:43   |     | 01:57 |           | 23:34 |     | 1:38   |     | 01:50 |         | 01:50 |     |        |     |     |         |     |     |
|   | Md.   | 20,9  |     | 20,9   |     | 20,9  |           | 20,9  |     | 20,9   |     | 20,9  |         | 20,9  |     |        |     |     |         |     |     |
| Monóxido de Carbono (CO)<br>30ppm                           | Hora  | 19:33 |     | 19:43  |     | 18:15 |           | 19:40 |     | 19:16  |     | 18:07 |         | 18:07 |     |        |     |     |         |     |     |
|   | Md.   | 0     |     | 0      |     | 0     |           | 0     |     | 0      |     | 0     |         | 0     |     |        |     |     |         |     |     |
|   | Hora  | 23:50 |     | 23:21  |     | 23:22 |           | 23:25 |     | 23:09  |     | 23:40 |         | 23:40 |     |        |     |     |         |     |     |
|   | Md.   | 0     |     | 0      |     | 0     |           | 0     |     | 0      |     | 0     |         | 0     |     |        |     |     |         |     |     |
|   | Hora  | 1:30  |     | 1:43   |     | 01:57 |           | 23:34 |     | 1:38   |     | 01:50 |         | 01:50 |     |        |     |     |         |     |     |
|   | Md.   | 0     |     | 0      |     | 0     |           | 0     |     | 0      |     | 0     |         | 0     |     |        |     |     |         |     |     |
| Sulfuro de Hidrógeno (H <sub>2</sub> S)<br>20ppm            | Hora  | 19:33 |     | 19:43  |     | 18:15 |           | 19:40 |     | 19:16  |     | 18:07 |         | 18:07 |     |        |     |     |         |     |     |
|   | Md.   | 0     |     | 0      |     | 0     |           | 0     |     | 0      |     | 0     |         | 0     |     |        |     |     |         |     |     |
|   | Hora  | 23:50 |     | 23:21  |     | 23:22 |           | 23:25 |     | 23:09  |     | 23:40 |         | 23:40 |     |        |     |     |         |     |     |
|   | Md.   | 0     |     | 0      |     | 0     |           | 0     |     | 0      |     | 0     |         | 0     |     |        |     |     |         |     |     |
|   | Hora  | 1:30  |     | 1:43   |     | 01:57 |           | 23:34 |     | 1:38   |     | 01:50 |         | 01:50 |     |        |     |     |         |     |     |
|   | Md.   | 0     |     | 0      |     | 0     |           | 0     |     | 0      |     | 0     |         | 0     |     |        |     |     |         |     |     |
| LEL Metano (CH <sub>4</sub> )<br>≤ 15%                      | Hora  | 19:33 |     | 19:43  |     | 18:15 |           | 19:40 |     | 19:16  |     | 18:07 |         | 18:07 |     |        |     |     |         |     |     |
|   | Md.   | 0     |     | 0      |     | 0     |           | 0     |     | 0      |     | 0     |         | 0     |     |        |     |     |         |     |     |
|   | Hora  | 23:50 |     | 23:21  |     | 23:22 |           | 23:25 |     | 23:09  |     | 23:40 |         | 23:40 |     |        |     |     |         |     |     |
|   | Md.   | 0     |     | 0      |     | 0     |           | 0     |     | 0      |     | 0     |         | 0     |     |        |     |     |         |     |     |
|   | Hora  | 1:30  |     | 1:43   |     | 01:57 |           | 23:34 |     | 1:38   |     | 01:50 |         | 01:50 |     |        |     |     |         |     |     |
|   | Md.   | 0     |     | 0      |     | 0     |           | 0     |     | 0      |     | 0     |         | 0     |     |        |     |     |         |     |     |
| Otro  | Hora  |       |     |        |     |       |           |       |     |        |     |       |         |       |     |        |     |     |         |     |     |
|   | Md.   |       |     |        |     |       |           |       |     |        |     |       |         |       |     |        |     |     |         |     |     |
|   | Hora  |       |     |        |     |       |           |       |     |        |     |       |         |       |     |        |     |     |         |     |     |
|   | Md.   |       |     |        |     |       |           |       |     |        |     |       |         |       |     |        |     |     |         |     |     |
|   | Hora  |       |     |        |     |       |           |       |     |        |     |       |         |       |     |        |     |     |         |     |     |
|   | Md.   |       |     |        |     |       |           |       |     |        |     |       |         |       |     |        |     |     |         |     |     |

| Responsable de Area | Firma | Encargado de Area | Firma | Tecnico de Seguridad | Firma |
|---------------------|-------|-------------------|-------|----------------------|-------|
| Luis Encalada       |       |                   |       | Teresa Mora          |       |