

## MATRICE RUMORE

SAT LAVORI P.A. Civitavecchia Tarquinia Lotto 6a

**Comune:** Canino

**Regione:** Lazio

**Codice Istat:**

**Data osservazione:** 22-29/9/2015

**Programma lavori settimanale:** 139-140

**Operatore:** M. D'Aniello

**Codice:**

**A12-CA-R3-01**

**WBS:**

SR 312

**Coordinate punto:**

42°28'00.25"N

11°45'03.22"E

**Condizioni meteo:**

Vento:

Si  No

Pioggia:

Si  No

**Fase monitoraggio:**

Ante operam

Corso operam

Post operam

**Metodologia:**

R2 (24 ore)

R3 (7 giorni)

R4 (breve)

**Zonizzazione acustica:**

Periodo diurno: 55 dB

Periodo notturno: 45 dB

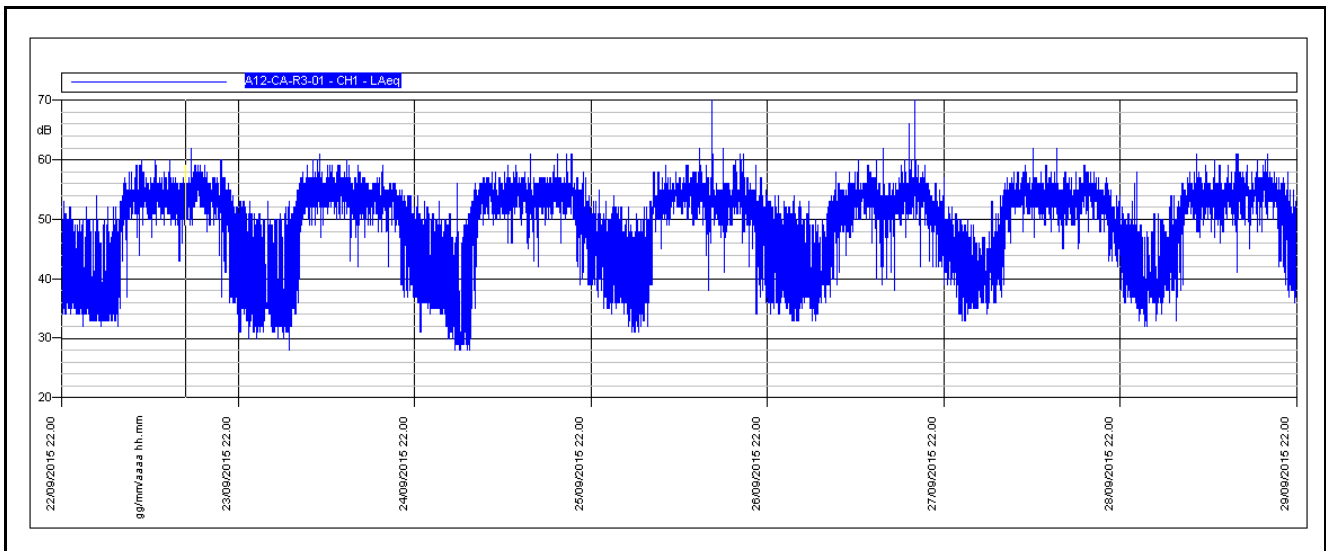
**Altre sorgenti:**

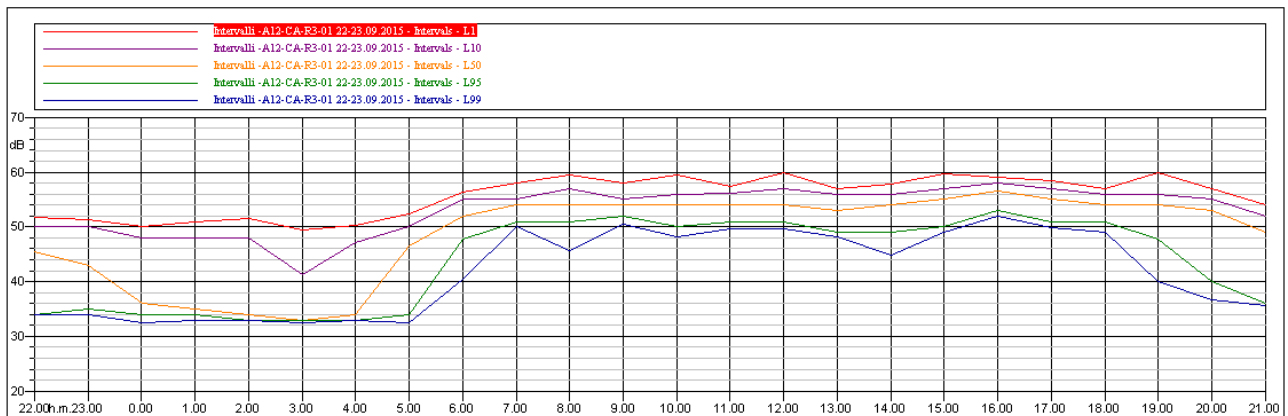
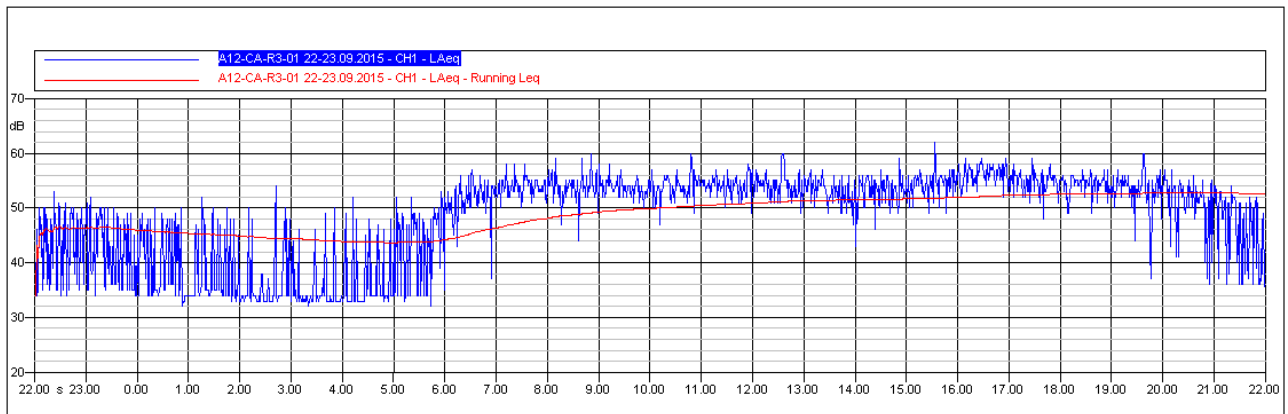
traffico stradale

viabilità di cantiere

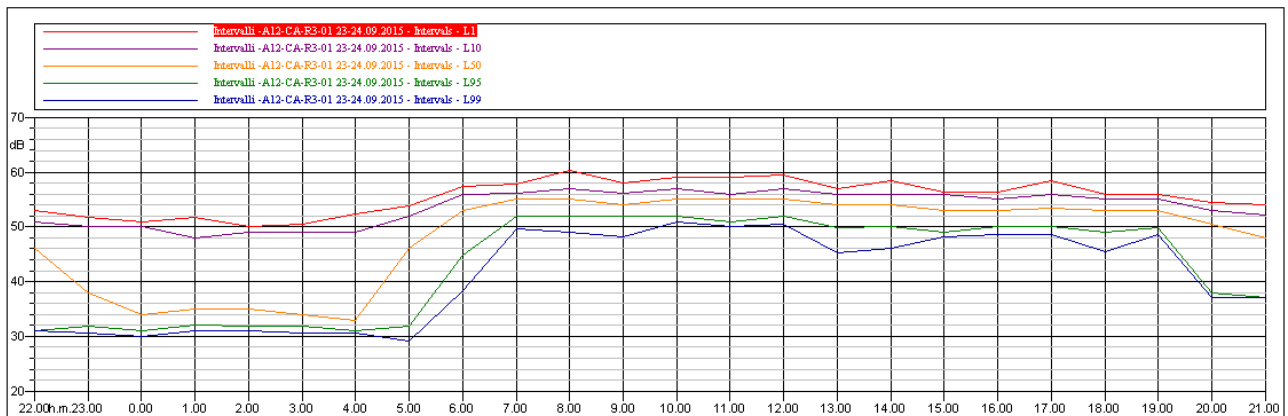
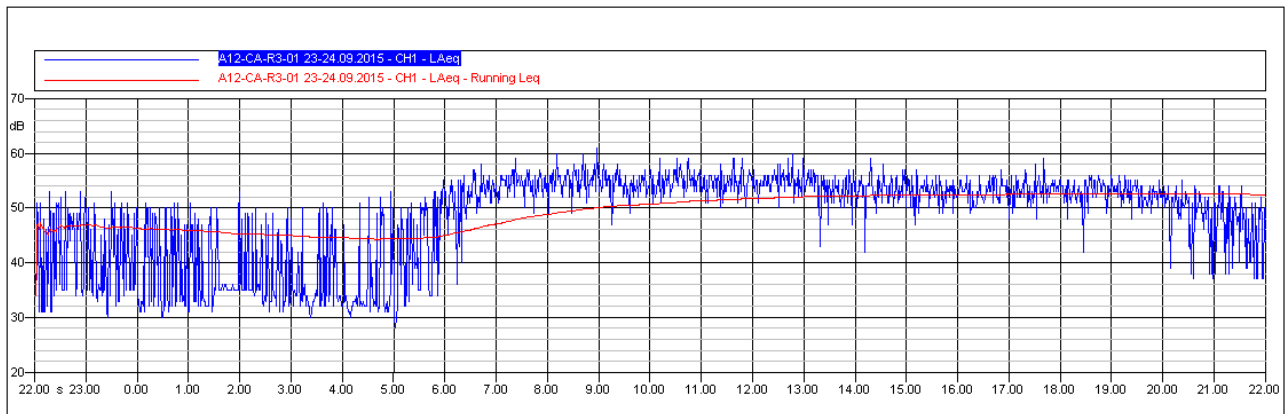
cantiere

**Analisi Temporale:**

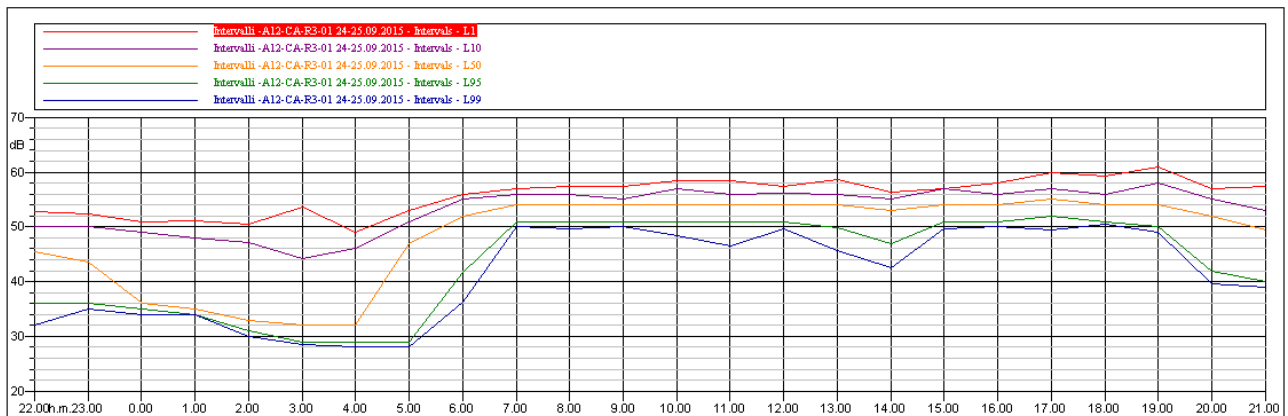
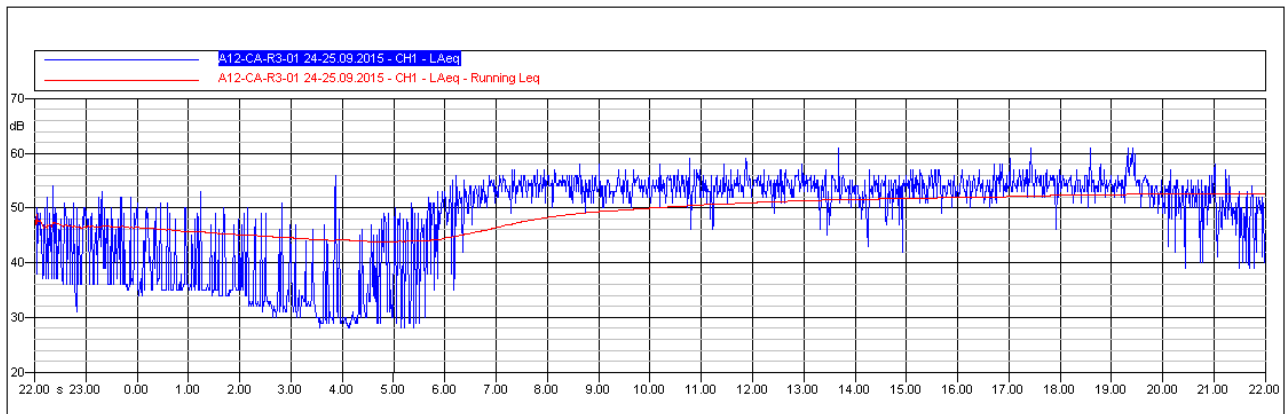




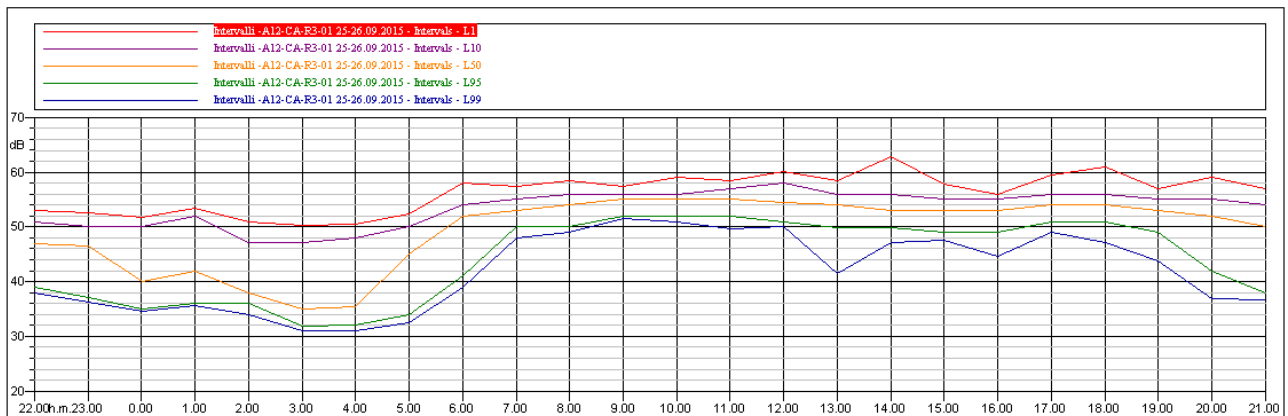
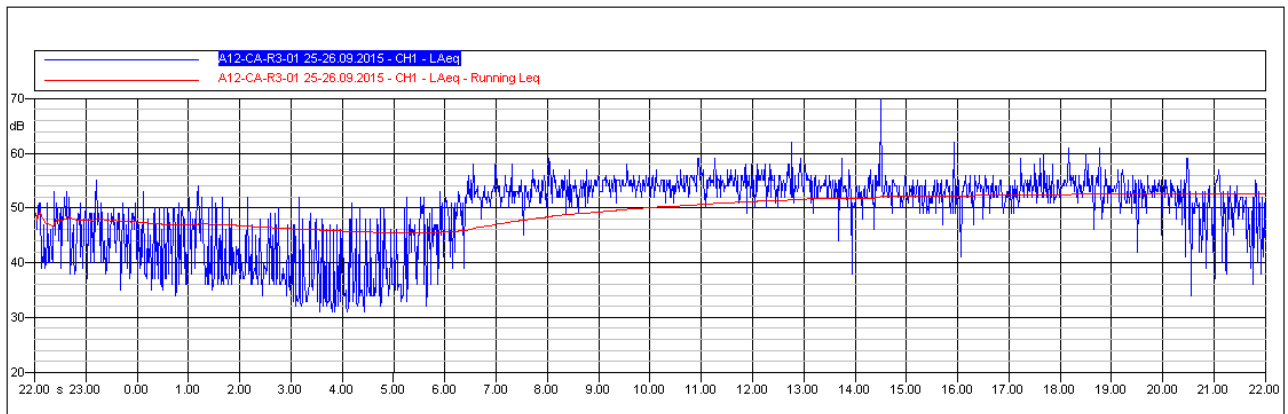
| File                 |                             | A12-CA-R3-01 22-23.09.2015 |      |      |      |      |      |      |      |  |
|----------------------|-----------------------------|----------------------------|------|------|------|------|------|------|------|--|
| Ubicazione           |                             |                            |      |      |      |      |      |      |      |  |
| Tipo dati            | Leq                         |                            |      |      |      |      |      |      |      |  |
| Pesatura             | A                           |                            |      |      |      |      |      |      |      |  |
| Unit                 | dB                          |                            |      |      |      |      |      |      |      |  |
| Inizio               | martedì 22 settembre 2015   |                            |      |      |      |      |      |      |      |  |
| Fine                 | mercoledì 23 settembre 2015 |                            |      |      |      |      |      |      |      |  |
| Periodo              | Notturmo                    |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 22:00 - 06:00               |                            |      |      |      |      |      |      |      |  |
|                      | Leq                         | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                          | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 44,2                        | 45                         | 32,0 | 54,0 | 33,0 | 33,0 | 35,0 | 49,0 | 52,0 |  |
| Periodo              | Diurno                      |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 06:00 - 22:00               |                            |      |      |      |      |      |      |      |  |
|                      | Leq                         | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                          | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 54,2                        | 55                         | 35,0 | 62,0 | 36,6 | 50,0 | 54,0 | 56,0 | 59,0 |  |



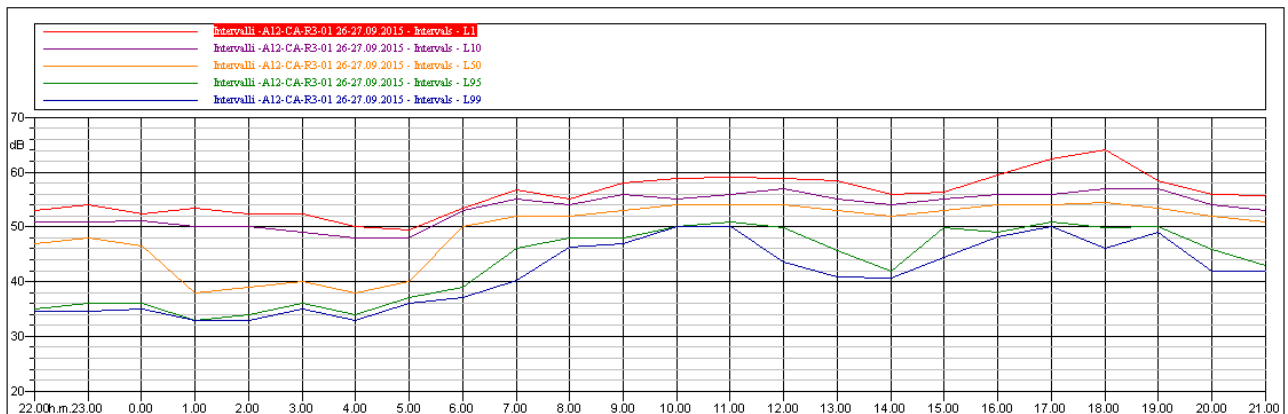
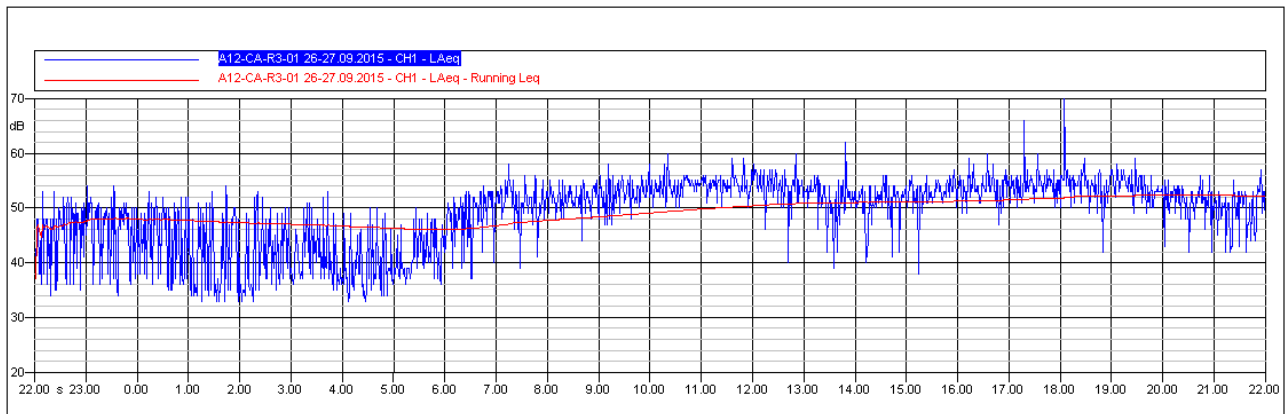
| File                              |                             |        |      |      |      |      |      |      |      |
|-----------------------------------|-----------------------------|--------|------|------|------|------|------|------|------|
| <b>A12-CA-R3-01 23-24.09.2015</b> |                             |        |      |      |      |      |      |      |      |
| Ubicazione                        |                             |        |      |      |      |      |      |      |      |
| Tipo dati                         | Leq                         |        |      |      |      |      |      |      |      |
| Pesatura                          | A                           |        |      |      |      |      |      |      |      |
| Unit                              | dB                          |        |      |      |      |      |      |      |      |
| Inizio                            | mercoledì 23 settembre 2015 |        |      |      |      |      |      |      |      |
| Fine                              | giovedì 24 settembre 2015   |        |      |      |      |      |      |      |      |
| Periodo                           | Notturmo                    |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 22:00 - 06:00               |        |      |      |      |      |      |      |      |
|                                   | Leq                         | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                          | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 45,1                        | 45     | 28,0 | 55,0 | 30,0 | 32,0 | 35,0 | 50,0 | 53,0 |
| Periodo                           | Diurno                      |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 06:00 - 22:00               |        |      |      |      |      |      |      |      |
|                                   | Leq                         | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                          | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 54,0                        | 55     | 36,0 | 61,0 | 38,0 | 50,0 | 54,0 | 56,0 | 59,0 |



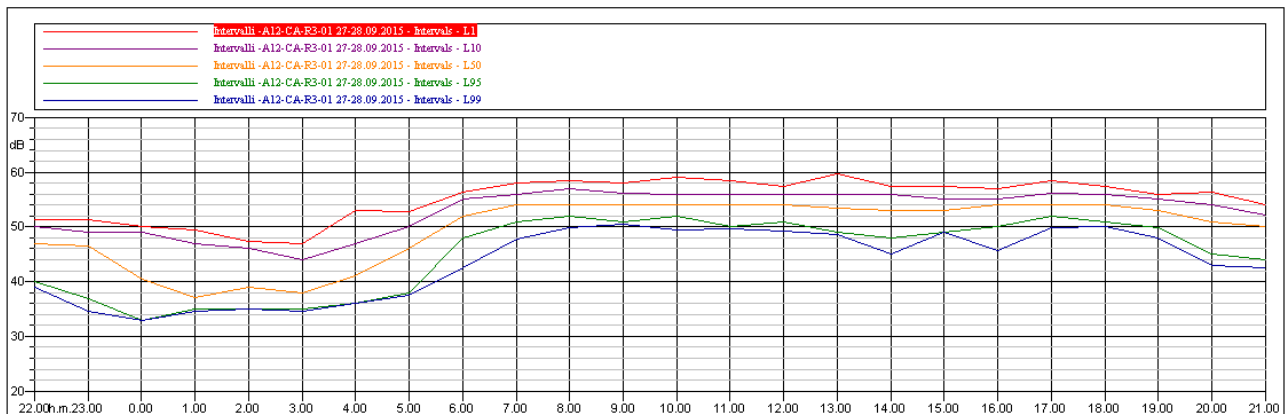
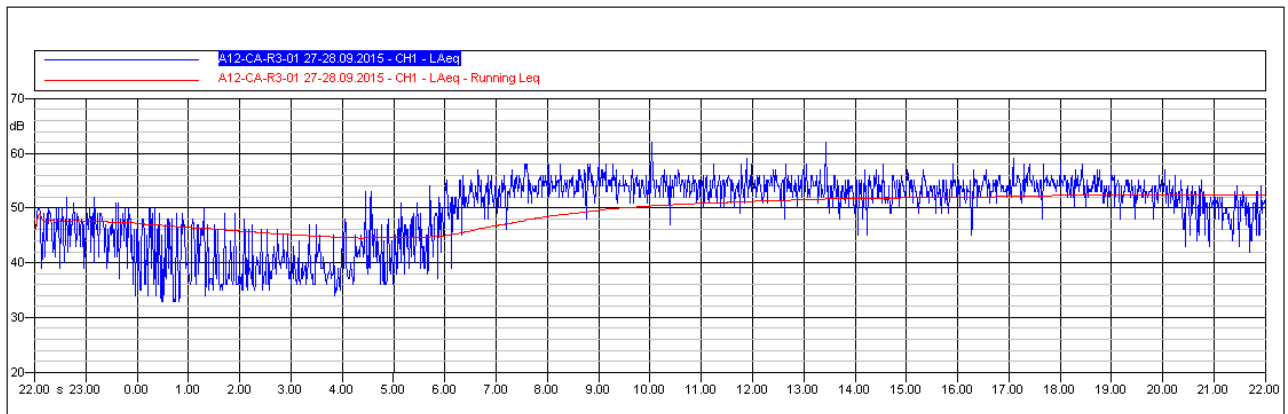
| A12-CA-R3-01 24-25.09.2015 |                           |        |      |      |      |      |      |      |      |
|----------------------------|---------------------------|--------|------|------|------|------|------|------|------|
| File                       |                           |        |      |      |      |      |      |      |      |
| Ubicazione                 |                           |        |      |      |      |      |      |      |      |
| Tipo dati                  | Leq                       |        |      |      |      |      |      |      |      |
| Pesatura                   | A                         |        |      |      |      |      |      |      |      |
| Unit                       | dB                        |        |      |      |      |      |      |      |      |
| Inizio                     | giovedì 24 settembre 2015 |        |      |      |      |      |      |      |      |
| Fine                       | venerdì 25 settembre 2015 |        |      |      |      |      |      |      |      |
| Periodo                    | Notturmo                  |        |      |      |      |      |      |      |      |
| Intervallo temporale       | 22:00 - 06:00             |        |      |      |      |      |      |      |      |
|                            | Leq                       | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                            | dB                        | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                    | 44,5                      | 45     | 28,0 | 56,0 | 28,0 | 30,0 | 36,0 | 49,0 | 53,0 |
| Periodo                    | Diurno                    |        |      |      |      |      |      |      |      |
| Intervallo temporale       | 06:00 - 22:00             |        |      |      |      |      |      |      |      |
|                            | Leq                       | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                            | dB                        | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                    | 54,1                      | 55     | 35,0 | 61,0 | 40,0 | 50,0 | 54,0 | 56,0 | 59,0 |



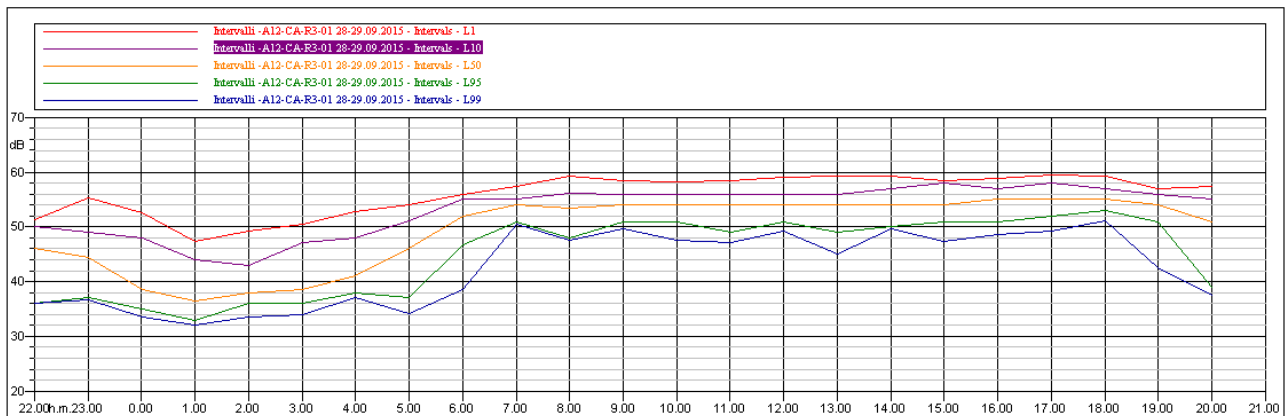
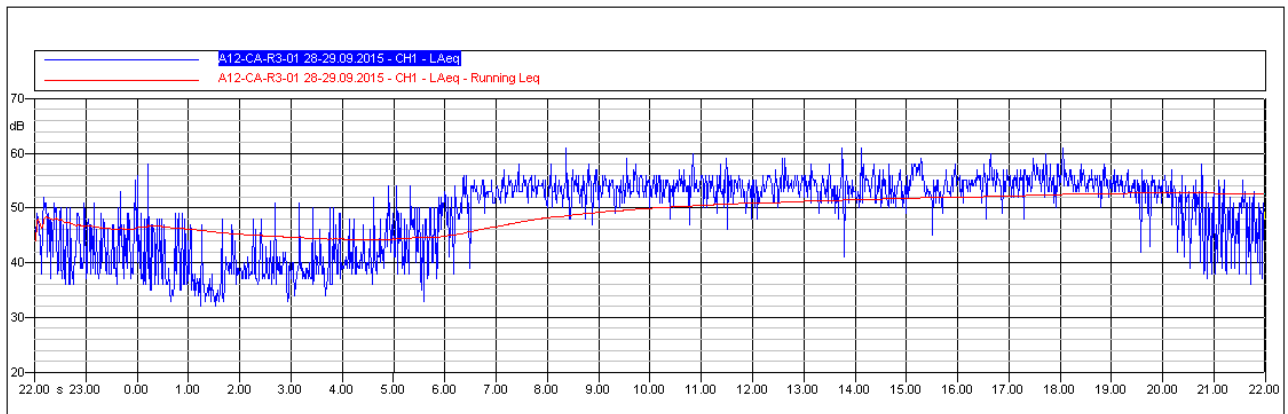
| File                              |                           |        |      |      |      |      |      |      |      |
|-----------------------------------|---------------------------|--------|------|------|------|------|------|------|------|
| <b>A12-CA-R3-01 25-26.09.2015</b> |                           |        |      |      |      |      |      |      |      |
| Ubicazione                        |                           |        |      |      |      |      |      |      |      |
| Tipo dati                         | Leq                       |        |      |      |      |      |      |      |      |
| Pesatura                          | A                         |        |      |      |      |      |      |      |      |
| Unit                              | dB                        |        |      |      |      |      |      |      |      |
| Inizio                            | venerdì 25 settembre 2015 |        |      |      |      |      |      |      |      |
| Fine                              | sabato 26 settembre 2015  |        |      |      |      |      |      |      |      |
| Periodo                           | Notturmo                  |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 22:00 - 06:00             |        |      |      |      |      |      |      |      |
|                                   | Leq                       | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                        | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 45,6                      | 45     | 31,0 | 55,0 | 31,8 | 34,0 | 41,0 | 50,0 | 53,0 |
| Periodo                           | Diurno                    |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 06:00 - 22:00             |        |      |      |      |      |      |      |      |
|                                   | Leq                       | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                        | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 54,0                      | 55     | 34,0 | 70,0 | 39,0 | 50,0 | 53,5 | 56,0 | 59,0 |



| File                              |                            |        |      |      |      |      |      |      |      |
|-----------------------------------|----------------------------|--------|------|------|------|------|------|------|------|
| <b>A12-CA-R3-01 26-27.09.2015</b> |                            |        |      |      |      |      |      |      |      |
| Ubicazione                        |                            |        |      |      |      |      |      |      |      |
| Tipo dati                         | Leq                        |        |      |      |      |      |      |      |      |
| Pesatura                          | A                          |        |      |      |      |      |      |      |      |
| Unit                              | dB                         |        |      |      |      |      |      |      |      |
| Inizio                            | sabato 26 settembre 2015   |        |      |      |      |      |      |      |      |
| Fine                              | domenica 27 settembre 2015 |        |      |      |      |      |      |      |      |
| Periodo                           | Notturmo                   |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 22:00 - 06:00              |        |      |      |      |      |      |      |      |
|                                   | Leq                        | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                         | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 46,0                       | 45     | 33,0 | 54,0 | 33,0 | 35,0 | 42,0 | 50,0 | 53,0 |
| Periodo                           | Diurno                     |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 06:00 - 22:00              |        |      |      |      |      |      |      |      |
|                                   | Leq                        | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                         | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 53,7                       | 55     | 37,0 | 70,0 | 40,0 | 49,0 | 53,0 | 56,0 | 59,0 |



| File                 |                            | A12-CA-R3-01 27-28.09.2015 |      |      |      |      |      |      |      |  |
|----------------------|----------------------------|----------------------------|------|------|------|------|------|------|------|--|
| Ubicazione           |                            |                            |      |      |      |      |      |      |      |  |
| Tipo dati            | Leq                        |                            |      |      |      |      |      |      |      |  |
| Pesatura             | A                          |                            |      |      |      |      |      |      |      |  |
| Unit                 | dB                         |                            |      |      |      |      |      |      |      |  |
| Inizio               | domenica 27 settembre 2015 |                            |      |      |      |      |      |      |      |  |
| Fine                 | lunedì 28 settembre 2015   |                            |      |      |      |      |      |      |      |  |
| Periodo              | Notturmo                   |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 22:00 - 06:00              |                            |      |      |      |      |      |      |      |  |
|                      | Leq                        | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                         | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 44,9                       | 45                         | 33,0 | 54,0 | 33,0 | 36,0 | 42,0 | 49,0 | 52,0 |  |
| Periodo              | Diurno                     |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 06:00 - 22:00              |                            |      |      |      |      |      |      |      |  |
|                      | Leq                        | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                         | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 53,9                       | 55                         | 39,0 | 62,0 | 44,0 | 50,0 | 54,0 | 56,0 | 58,0 |  |



| File                              |                           |        |      |      |      |      |      |      |      |
|-----------------------------------|---------------------------|--------|------|------|------|------|------|------|------|
| <b>A12-CA-R3-01 28-29.09.2015</b> |                           |        |      |      |      |      |      |      |      |
| Ubicazione                        |                           |        |      |      |      |      |      |      |      |
| Tipo dati                         | Leq                       |        |      |      |      |      |      |      |      |
| Pesatura                          | A                         |        |      |      |      |      |      |      |      |
| Unit                              | dB                        |        |      |      |      |      |      |      |      |
| Inizio                            | lunedì 28 settembre 2015  |        |      |      |      |      |      |      |      |
| Fine                              | martedì 29 settembre 2015 |        |      |      |      |      |      |      |      |
| Periodo                           | Notturmo                  |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 22:00 - 06:00             |        |      |      |      |      |      |      |      |
|                                   | Leq                       | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                        | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 44,9                      | 45     | 32,0 | 58,0 | 33,0 | 36,0 | 40,0 | 49,0 | 54,0 |
| Periodo                           | Diurno                    |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 06:00 - 22:00             |        |      |      |      |      |      |      |      |
|                                   | Leq                       | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                        | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 54,1                      | 55     | 36,0 | 61,0 | 38,0 | 49,8 | 54,0 | 56,0 | 59,0 |



## MATRICE RUMORE

SAT LAVORI P.A. Civitavecchia Tarquinia Lotto 6a

**Comune:** Monte Romano

**Data osservazione:** 14-21/9/2015

**Regione:** Lazio

**Programma lavori settimanale:** 138-139

**Codice Istat:**

**Operatore:** M. D'Aniello

**Codice:**

A12-MR-R3-01

**WBS:**

SS 1bis

**Coordinate punto:**

42°16'03.13"N

11°53'51.03"E

**Condizioni meteo:**

Vento:

Pioggia:

Si

No

Si

No

**Fase monitoraggio:**

Ante operam

Corso operam

Post operam

**Metodologia:**

R2 (24 ore)

R3 (7 giorni)

R4 (breve)

**Zonizzazione acustica:**

Periodo diurno: 60 dB

Periodo notturno: 50 dB

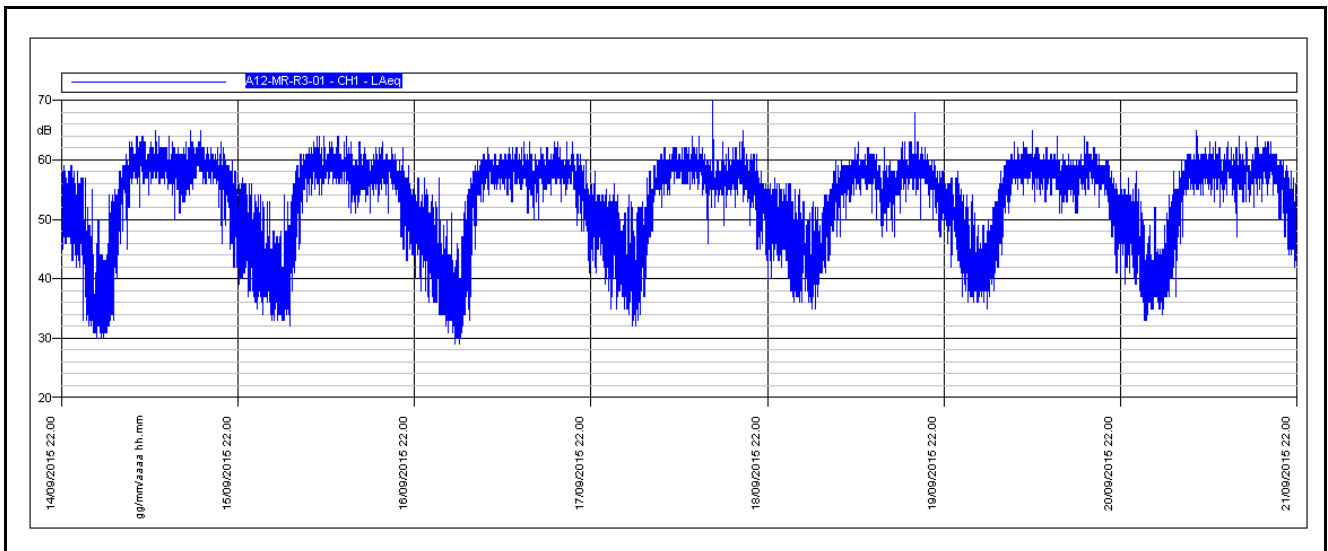
**Altre sorgenti:**

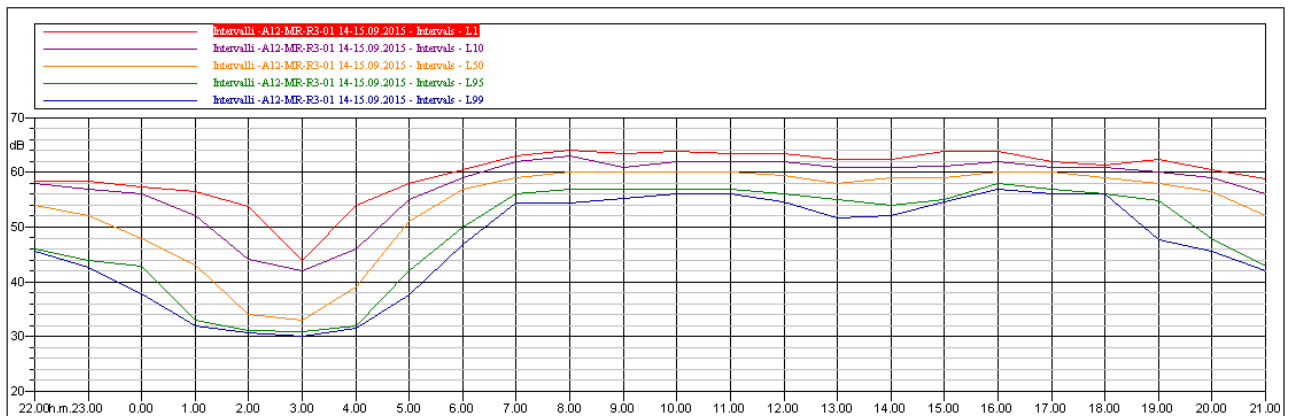
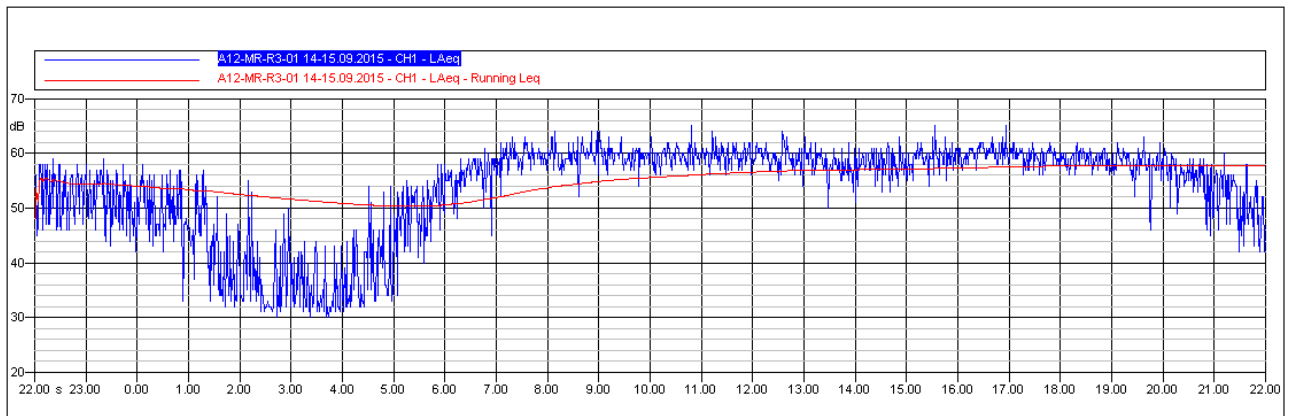
traffico stradale

viabilità di cantiere

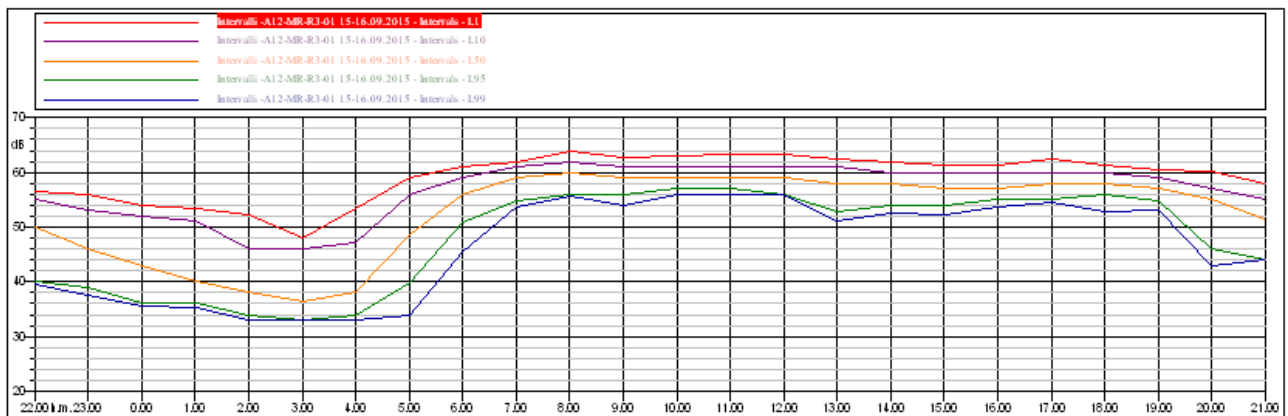
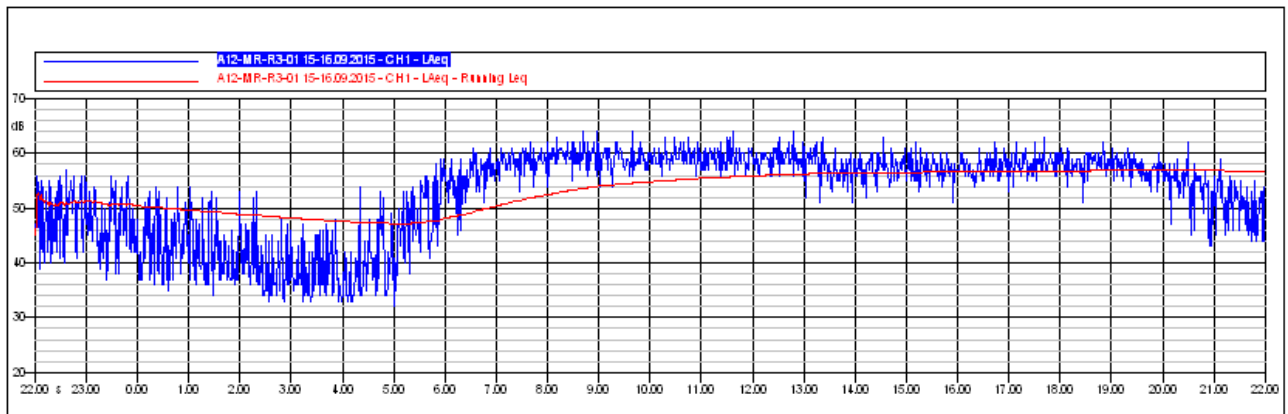
cantiere

**Analisi Temporale:**

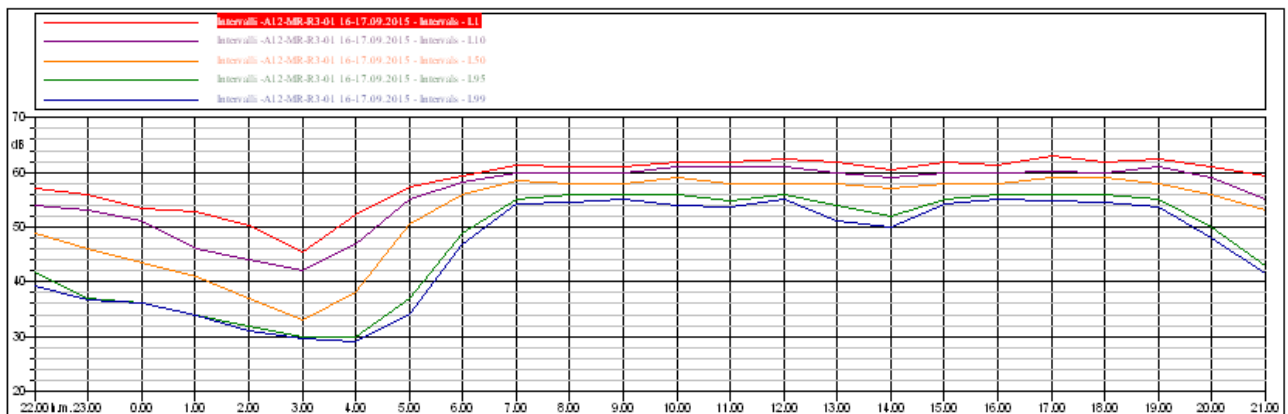
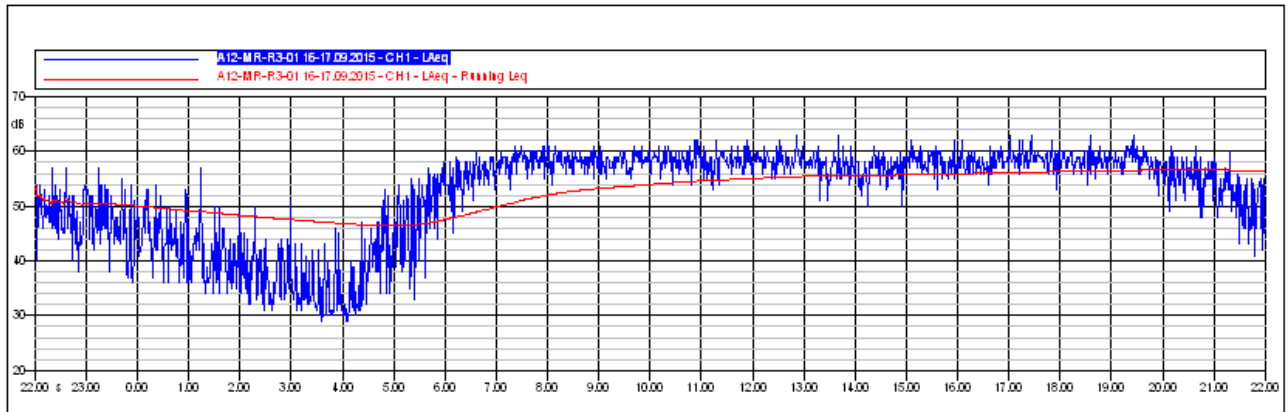




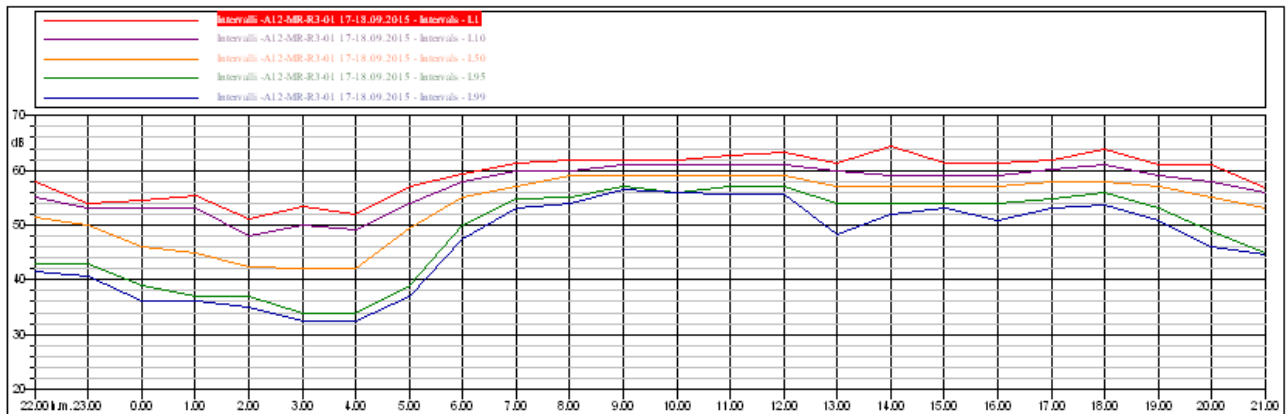
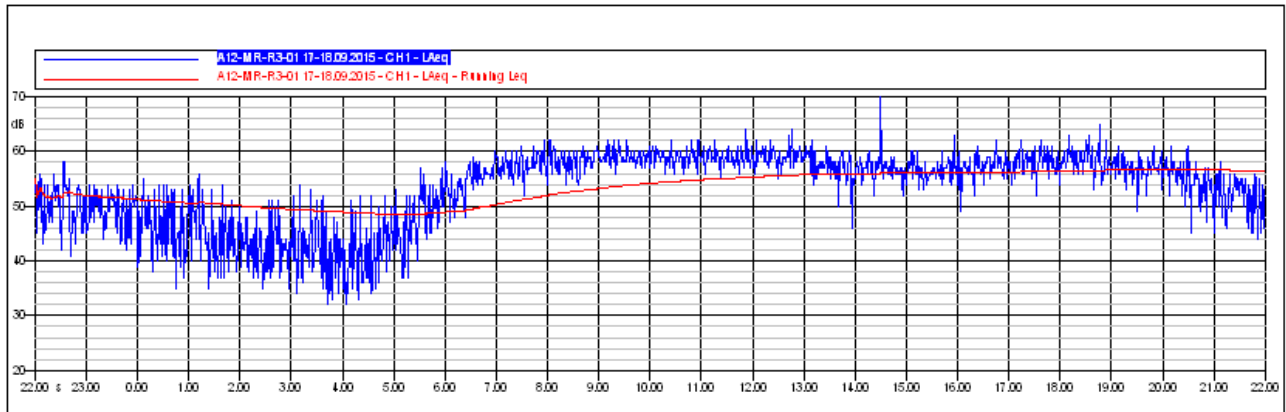
| File                 |                           | A12-MR-R3-01 14-15.09.2015 |      |      |      |      |      |      |      |  |
|----------------------|---------------------------|----------------------------|------|------|------|------|------|------|------|--|
| Ubicazione           |                           |                            |      |      |      |      |      |      |      |  |
| Tipo dati            | Leq                       |                            |      |      |      |      |      |      |      |  |
| Pesatura             | A                         |                            |      |      |      |      |      |      |      |  |
| Unit                 | dB                        |                            |      |      |      |      |      |      |      |  |
| Inizio               | lunedì 14 settembre 2015  |                            |      |      |      |      |      |      |      |  |
| Fine                 | martedì 15 settembre 2015 |                            |      |      |      |      |      |      |      |  |
| Periodo              | Notturmo                  |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 22:00 - 06:00             |                            |      |      |      |      |      |      |      |  |
|                      | Leq                       | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                        | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 50,6                      | 50                         | 30,0 | 59,0 | 31,0 | 32,0 | 46,0 | 56,0 | 58,0 |  |
| Periodo              | Diurno                    |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 06:00 - 22:00             |                            |      |      |      |      |      |      |      |  |
|                      | Leq                       | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                        | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 59,1                      | 60                         | 42,0 | 65,0 | 45,0 | 55,0 | 59,0 | 61,0 | 63,0 |  |



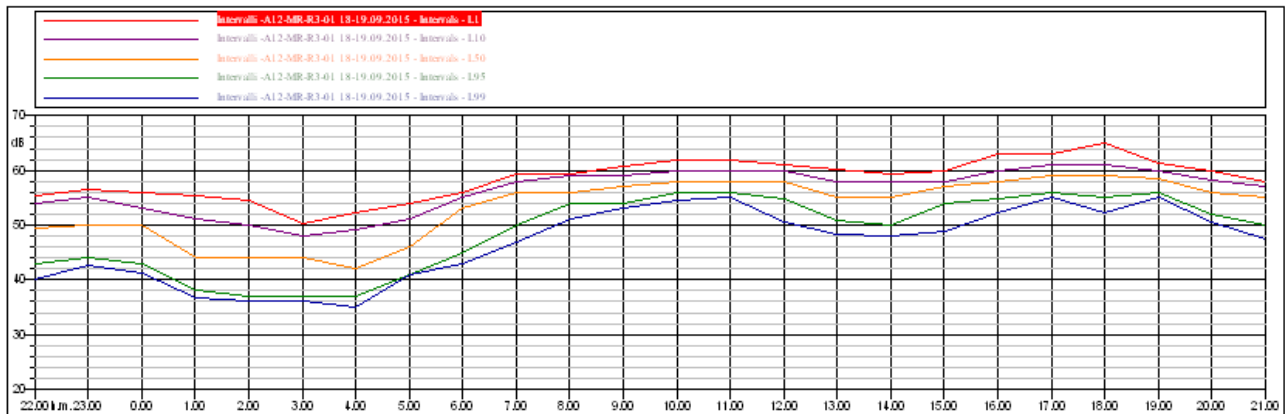
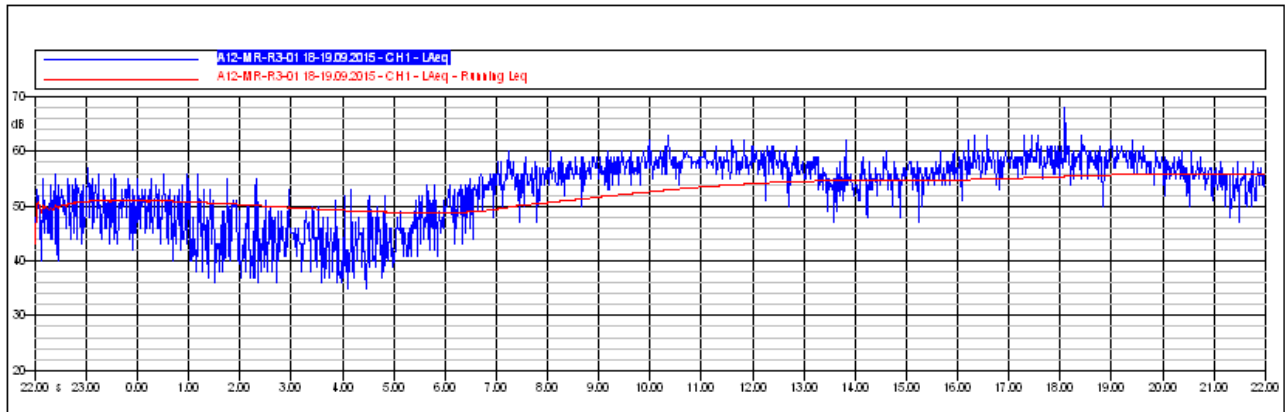
| File                              |                             |        |      |      |      |      |      |      |      |
|-----------------------------------|-----------------------------|--------|------|------|------|------|------|------|------|
| <b>A12-MR-R3-01 15-16.09.2015</b> |                             |        |      |      |      |      |      |      |      |
| Ubicazione                        |                             |        |      |      |      |      |      |      |      |
| Tipo dati                         | Leq                         |        |      |      |      |      |      |      |      |
| Pesatura                          | A                           |        |      |      |      |      |      |      |      |
| Unit                              | dB                          |        |      |      |      |      |      |      |      |
| Inizio                            | martedì 15 settembre 2015   |        |      |      |      |      |      |      |      |
| Fine                              | mercoledì 16 settembre 2015 |        |      |      |      |      |      |      |      |
| Periodo                           | Notturmo                    |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 22:00 - 06:00               |        |      |      |      |      |      |      |      |
|                                   | Leq                         | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                          | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 48,2                        | 50     | 32,0 | 59,0 | 33,0 | 35,0 | 43,0 | 53,0 | 56,0 |
| Periodo                           | Diurno                      |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 06:00 - 22:00               |        |      |      |      |      |      |      |      |
|                                   | Leq                         | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                          | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 58,3                        | 60     | 43,0 | 64,0 | 45,0 | 54,0 | 58,0 | 61,0 | 63,0 |



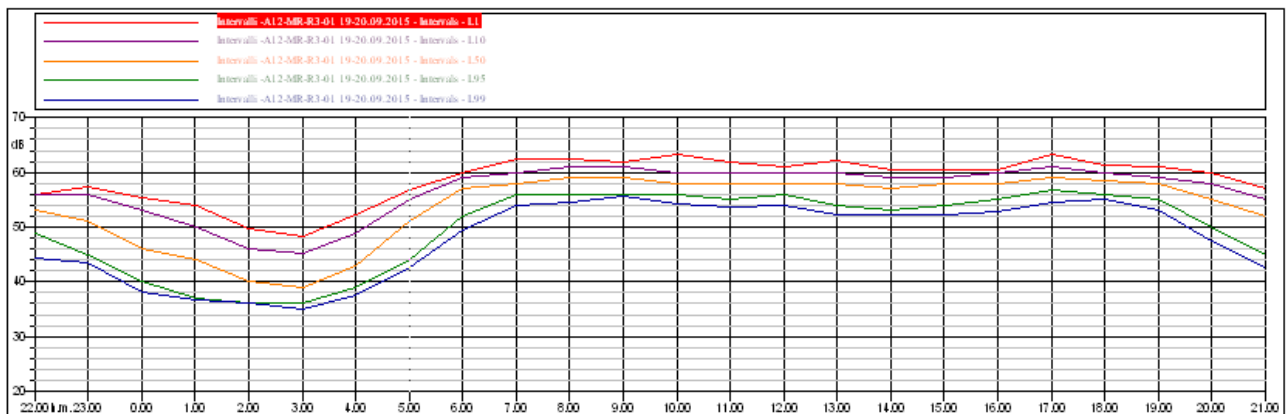
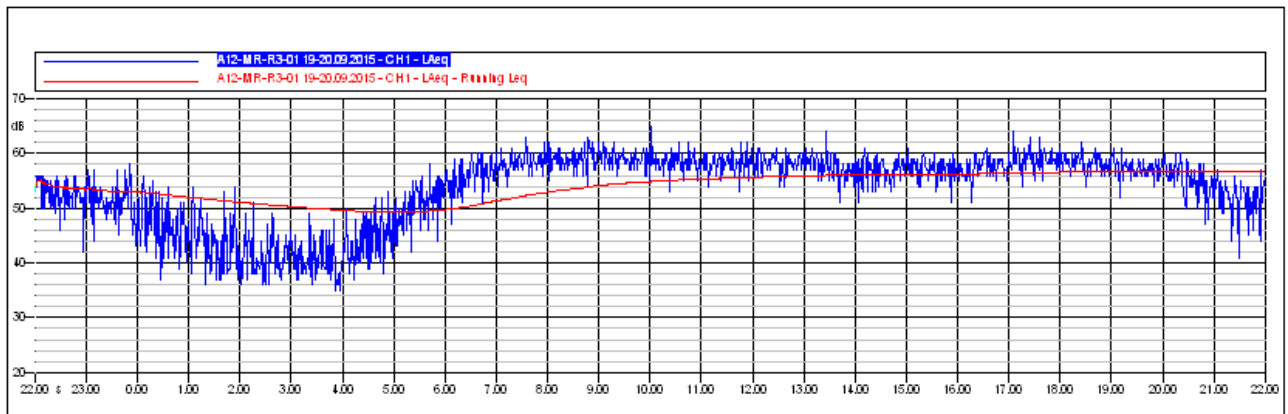
| File                              |                             |        |      |      |      |      |      |      |      |
|-----------------------------------|-----------------------------|--------|------|------|------|------|------|------|------|
| <b>A12-MR-R3-01 16-17.09.2015</b> |                             |        |      |      |      |      |      |      |      |
| Ubicazione                        |                             |        |      |      |      |      |      |      |      |
| Tipo dati                         | Leq                         |        |      |      |      |      |      |      |      |
| Pesatura                          | A                           |        |      |      |      |      |      |      |      |
| Unit                              | dB                          |        |      |      |      |      |      |      |      |
| Inizio                            | mercoledì 16 settembre 2015 |        |      |      |      |      |      |      |      |
| Fine                              | giovedì 17 settembre 2015   |        |      |      |      |      |      |      |      |
| Periodo                           | Notturmo                    |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 22:00 - 06:00               |        |      |      |      |      |      |      |      |
|                                   | Leq                         | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                          | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 47,6                        | 50     | 29,0 | 58,0 | 30,0 | 32,0 | 43,0 | 53,0 | 57,0 |
| Periodo                           | Diurno                      |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 06:00 - 22:00               |        |      |      |      |      |      |      |      |
|                                   | Leq                         | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                          | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 58,1                        | 60     | 41,0 | 63,0 | 46,0 | 54,0 | 58,0 | 60,0 | 62,0 |



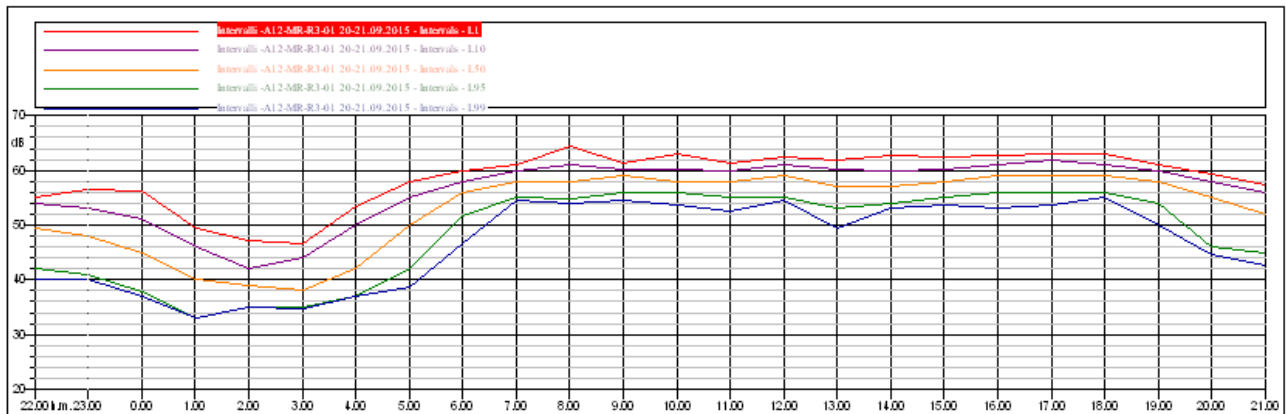
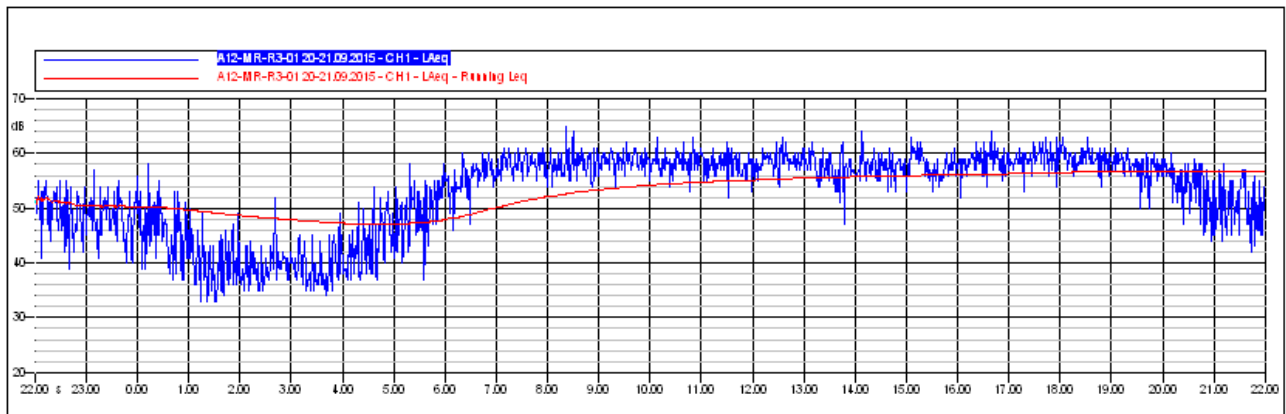
| File                 |  | A12-MR-R3-01 17-18.09.2015 |        |      |      |      |      |      |      |      |
|----------------------|--|----------------------------|--------|------|------|------|------|------|------|------|
| Ubicazione           |  |                            |        |      |      |      |      |      |      |      |
| Tipo dati            |  | Leq                        |        |      |      |      |      |      |      |      |
| Pesatura             |  | A                          |        |      |      |      |      |      |      |      |
| Unit                 |  | dB                         |        |      |      |      |      |      |      |      |
| Inizio               |  | giovedì 17 settembre 2015  |        |      |      |      |      |      |      |      |
| Fine                 |  | venerdì 18 settembre 2015  |        |      |      |      |      |      |      |      |
| Periodo              |  | Notturmo                   |        |      |      |      |      |      |      |      |
| Intervallo temporale |  | 22:00 - 06:00              |        |      |      |      |      |      |      |      |
|                      |  | Leq                        | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                      |  | dB                         | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello              |  | 48,9                       | 50     | 32,0 | 58,0 | 34,0 | 37,0 | 45,0 | 53,0 | 56,0 |
| Periodo              |  | Diurno                     |        |      |      |      |      |      |      |      |
| Intervallo temporale |  | 06:00 - 22:00              |        |      |      |      |      |      |      |      |
|                      |  | Leq                        | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                      |  | dB                         | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello              |  | 58,0                       | 60     | 44,0 | 71,0 | 46,6 | 54,0 | 58,0 | 60,0 | 62,0 |



| File                              |                           |        |      |      |      |      |      |      |      |
|-----------------------------------|---------------------------|--------|------|------|------|------|------|------|------|
| <b>A12-MR-R3-01 18-19.09.2015</b> |                           |        |      |      |      |      |      |      |      |
| Ubicazione                        |                           |        |      |      |      |      |      |      |      |
| Tipo dati                         | Leq                       |        |      |      |      |      |      |      |      |
| Pesatura                          | A                         |        |      |      |      |      |      |      |      |
| Unit                              | dB                        |        |      |      |      |      |      |      |      |
| Inizio                            | venerdì 18 settembre 2015 |        |      |      |      |      |      |      |      |
| Fine                              | sabato 19 settembre 2015  |        |      |      |      |      |      |      |      |
| Periodo                           | Notturmo                  |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 22:00 - 06:00             |        |      |      |      |      |      |      |      |
|                                   | Leq                       | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                        | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 48,7                      | 50     | 35,0 | 57,0 | 36,0 | 39,0 | 46,0 | 53,0 | 56,0 |
| Periodo                           | Diurno                    |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 06:00 - 22:00             |        |      |      |      |      |      |      |      |
|                                   | Leq                       | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                        | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 57,4                      | 60     | 43,0 | 68,0 | 47,0 | 53,0 | 57,0 | 60,0 | 62,0 |



| File                 |                            | A12-MR-R3-01 19-20.09.2015 |      |      |      |      |      |      |      |  |
|----------------------|----------------------------|----------------------------|------|------|------|------|------|------|------|--|
| Ubicazione           |                            |                            |      |      |      |      |      |      |      |  |
| Tipo dati            | Leq                        |                            |      |      |      |      |      |      |      |  |
| Pesatura             | A                          |                            |      |      |      |      |      |      |      |  |
| Unit                 | dB                         |                            |      |      |      |      |      |      |      |  |
| Inizio               | sabato 19 settembre 2015   |                            |      |      |      |      |      |      |      |  |
| Fine                 | domenica 20 settembre 2015 |                            |      |      |      |      |      |      |      |  |
| Periodo              | Notturmo                   |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 22:00 - 06:00              |                            |      |      |      |      |      |      |      |  |
|                      | Leq                        | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                         | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 49,7                       | 50                         | 35,0 | 58,0 | 36,0 | 38,0 | 46,0 | 54,0 | 57,0 |  |
| Periodo              | Diurno                     |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 06:00 - 22:00              |                            |      |      |      |      |      |      |      |  |
|                      | Leq                        | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                         | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 58,1                       | 60                         | 41,0 | 65,0 | 48,0 | 54,0 | 58,0 | 60,0 | 62,0 |  |



| File                              |                            |        |      |      |      |      |      |      |      |
|-----------------------------------|----------------------------|--------|------|------|------|------|------|------|------|
| <b>A12-MR-R3-01 20-21.09.2015</b> |                            |        |      |      |      |      |      |      |      |
| Ubicazione                        |                            |        |      |      |      |      |      |      |      |
| Tipo dati                         | Leq                        |        |      |      |      |      |      |      |      |
| Pesatura                          | A                          |        |      |      |      |      |      |      |      |
| Unit                              | dB                         |        |      |      |      |      |      |      |      |
| Inizio                            | domenica 20 settembre 2015 |        |      |      |      |      |      |      |      |
| Fine                              | lunedì 21 settembre 2015   |        |      |      |      |      |      |      |      |
| Periodo                           | Notturmo                   |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 22:00 - 06:00              |        |      |      |      |      |      |      |      |
|                                   | Leq                        | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                         | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 48,0                       | 50     | 33,0 | 58,0 | 33,8 | 37,0 | 44,0 | 53,0 | 56,0 |
| Periodo                           | Diurno                     |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 06:00 - 22:00              |        |      |      |      |      |      |      |      |
|                                   | Leq                        | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                         | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 58,2                       | 60     | 42,0 | 65,0 | 45,0 | 54,0 | 58,0 | 60,0 | 63,0 |



## MATRICE RUMORE

SAT LAVORI P.A. Civitavecchia Tarquinia Lotto 6a

Comune: Toscana

Data osservazione: 22-29/9/2015

Regione: Lazio

Programma lavori settimanale: 139-140

Codice Istat:

Operatore: M. D'Aniello

Codice:

A12-TU-R3-01

WBS:

SP 3

Coordinate punto:

42°24'59.23"N

11°51'22.16"E

Condizioni meteo:

Vento: Pioggia:

Si  No  Si  No

Fase monitoraggio:

- Ante operam  
 Corso operam  
 Post operam

Metodologia:

- R2 (24 ore)  
 R3 (7 giorni)  
 R4 (breve)

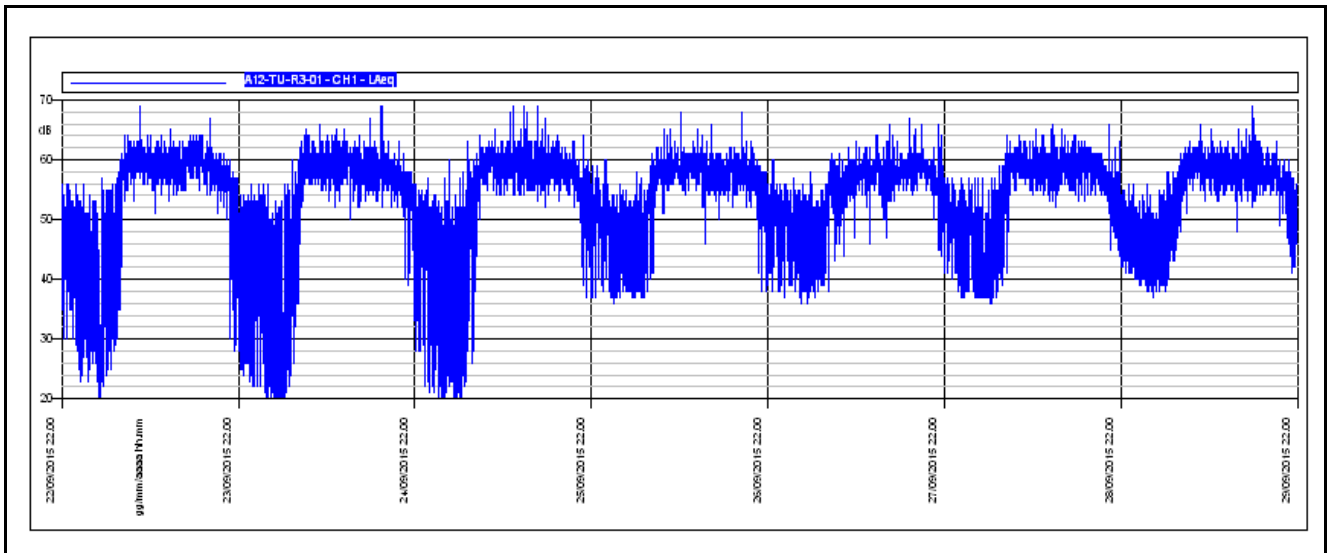
Zonizzazione acustica:

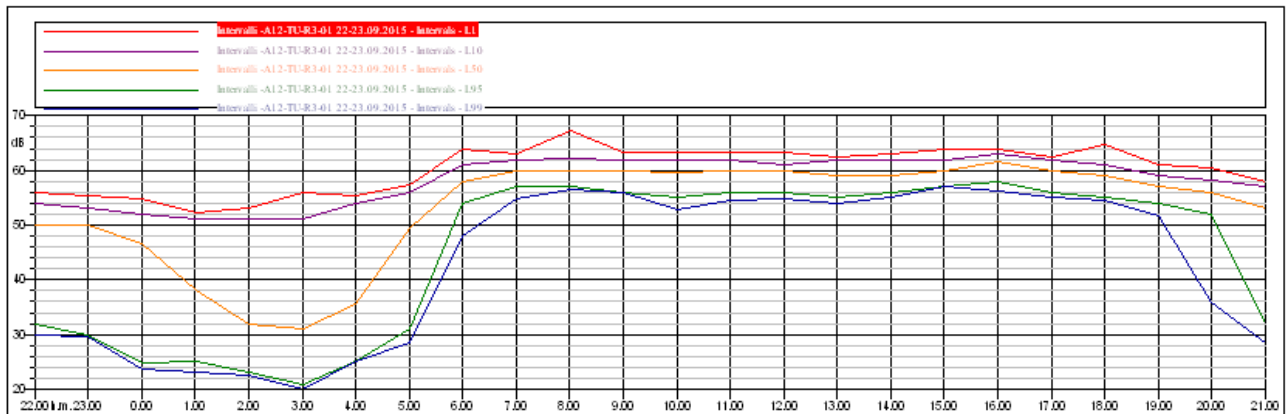
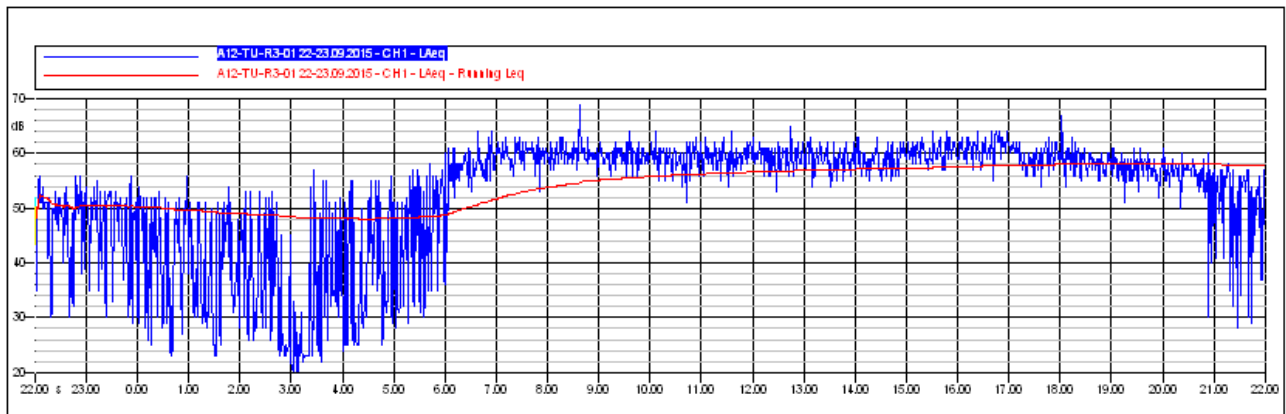
Periodo diurno: 60 dB  
 Periodo notturno: 50 dB

Altre sorgenti:

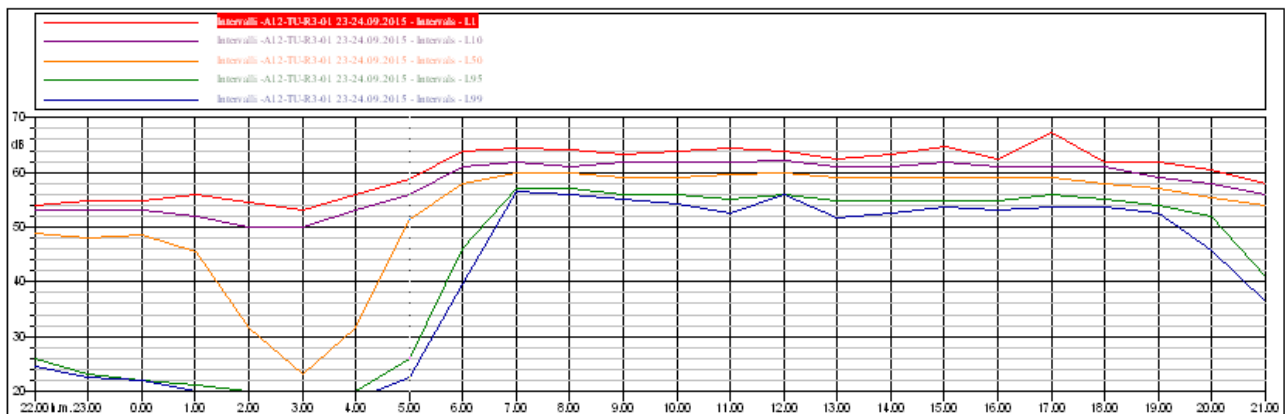
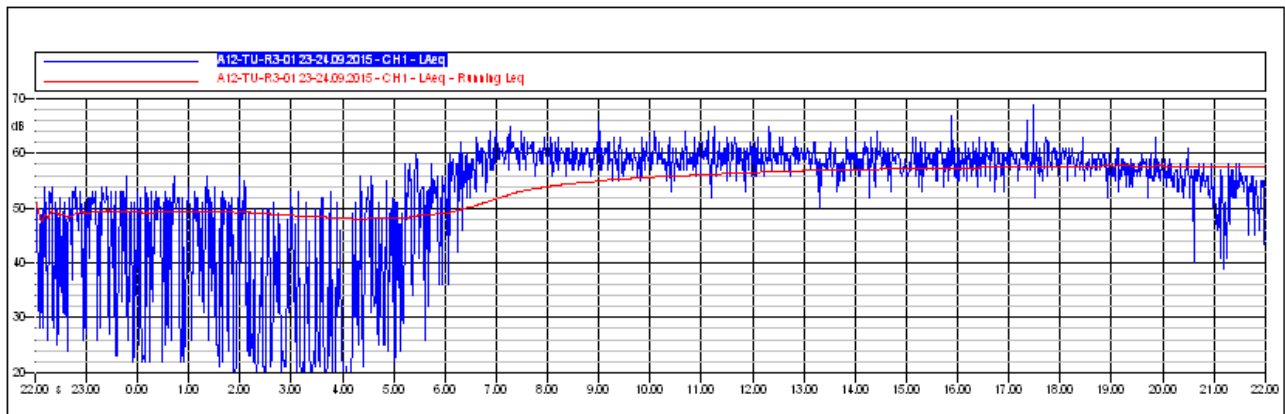
- traffico stradale  
 viabilità di cantiere  
 cantiere

Analisi Temporale:

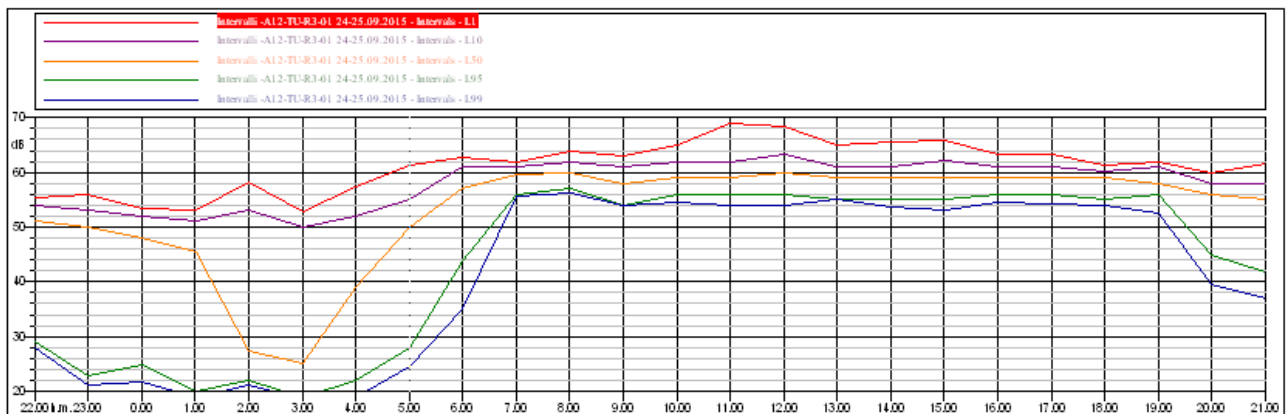
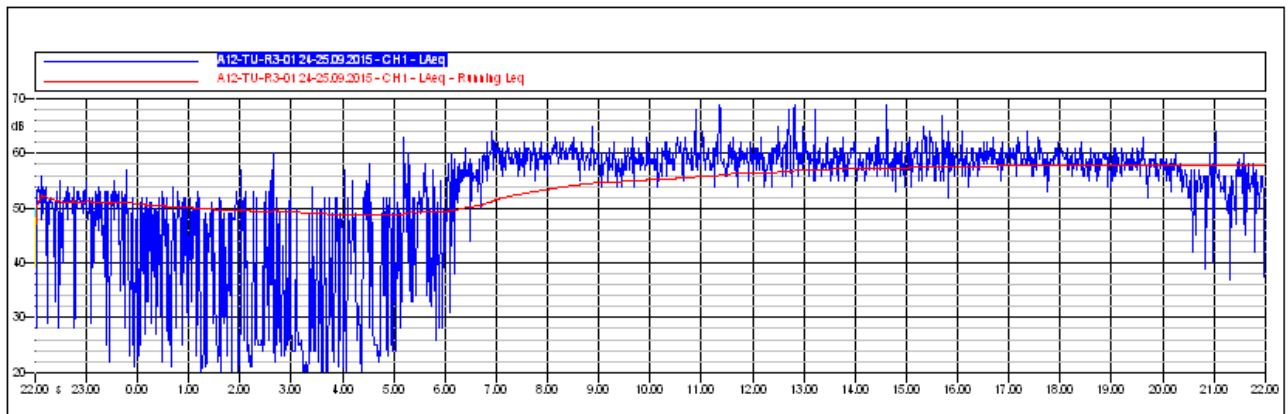




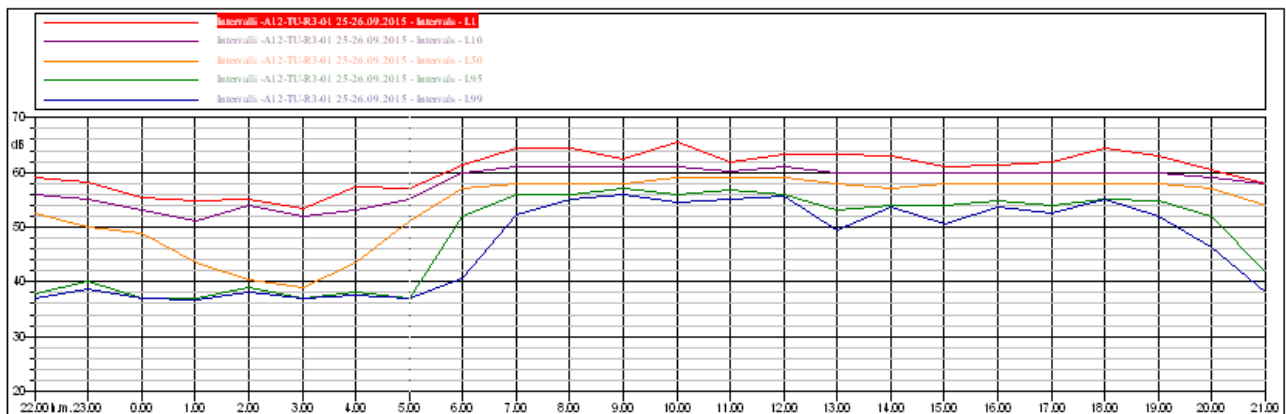
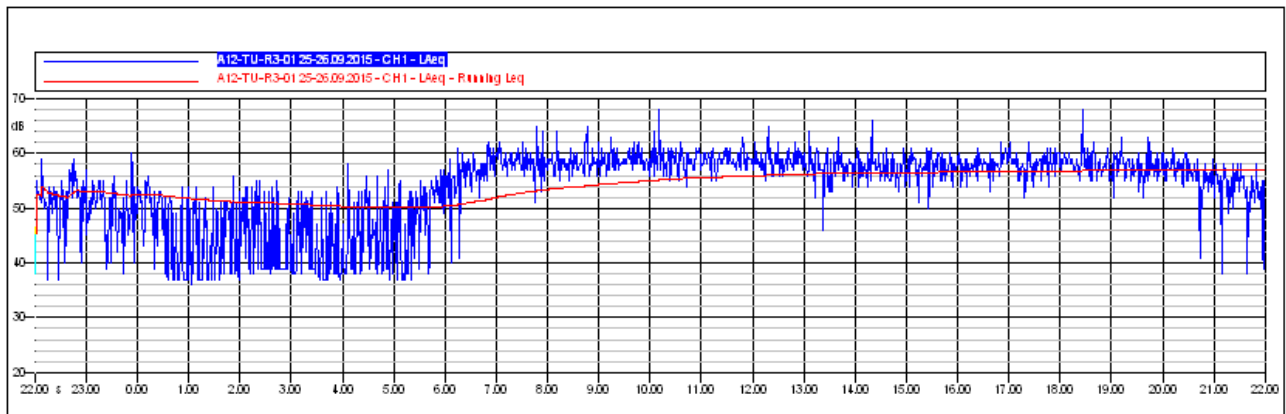
| File                              |                             |        |      |      |      |      |      |      |      |
|-----------------------------------|-----------------------------|--------|------|------|------|------|------|------|------|
| <b>A12-TU-R3-01 22-23.09.2015</b> |                             |        |      |      |      |      |      |      |      |
| Ubicazione                        |                             |        |      |      |      |      |      |      |      |
| Tipo dati                         | Leq                         |        |      |      |      |      |      |      |      |
| Pesatura                          | A                           |        |      |      |      |      |      |      |      |
| Unit                              | dB                          |        |      |      |      |      |      |      |      |
| Inizio                            | martedì 22 settembre 2015   |        |      |      |      |      |      |      |      |
| Fine                              | mercoledì 23 settembre 2015 |        |      |      |      |      |      |      |      |
| Periodo                           | Notturmo                    |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 22:00 - 06:00               |        |      |      |      |      |      |      |      |
|                                   | Leq                         | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                          | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 48,7                        | 50     | 20,0 | 58,0 | 22,0 | 25,9 | 44,0 | 53,0 | 56,2 |
| Periodo                           | Diurno                      |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 06:00 - 22:00               |        |      |      |      |      |      |      |      |
|                                   | Leq                         | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                          | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 59,5                        | 60     | 28,0 | 69,0 | 40,6 | 55,0 | 59,0 | 62,0 | 64,0 |



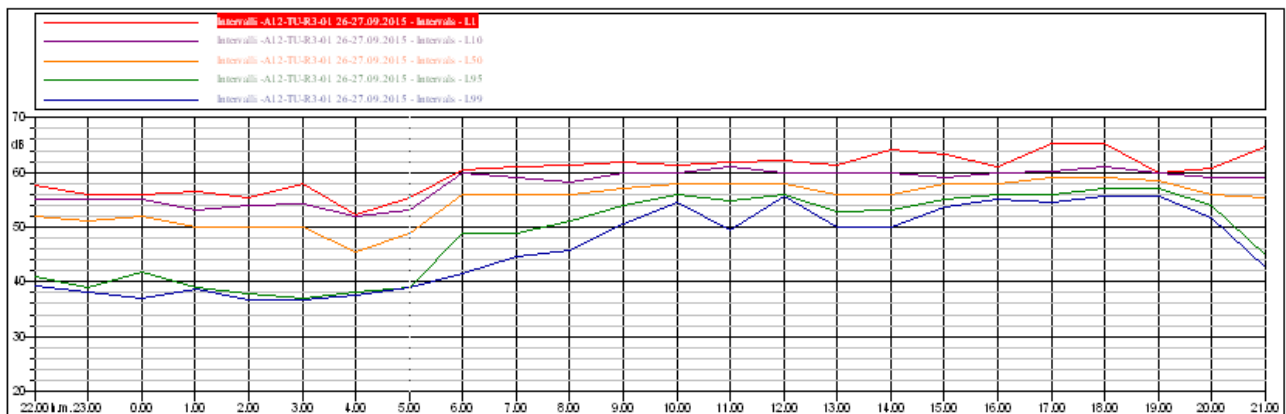
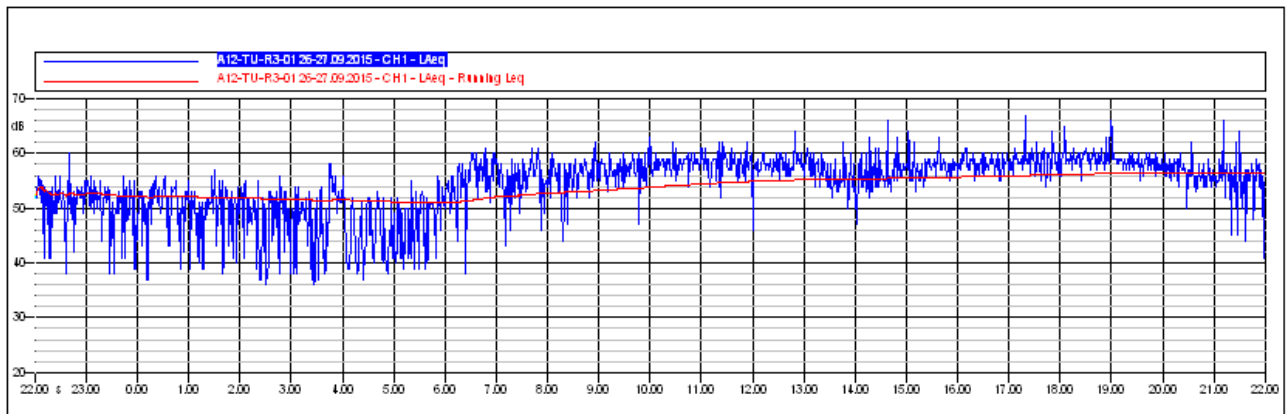
| File                 |                             | A12-TU-R3-01 23-24.09.2015 |      |      |      |      |      |      |      |  |
|----------------------|-----------------------------|----------------------------|------|------|------|------|------|------|------|--|
| Ubicazione           |                             |                            |      |      |      |      |      |      |      |  |
| Tipo dati            | Leq                         |                            |      |      |      |      |      |      |      |  |
| Pesatura             | A                           |                            |      |      |      |      |      |      |      |  |
| Unit                 | dB                          |                            |      |      |      |      |      |      |      |  |
| Inizio               | mercoledì 23 settembre 2015 |                            |      |      |      |      |      |      |      |  |
| Fine                 | giovedì 24 settembre 2015   |                            |      |      |      |      |      |      |      |  |
| Periodo              | Notturmo                    |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 22:00 - 06:00               |                            |      |      |      |      |      |      |      |  |
|                      | Leq                         | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                          | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 49,1                        | 50                         | 18,0 | 60,0 | 19,0 | 21,9 | 45,0 | 53,0 | 57,2 |  |
| Periodo              | Diurno                      |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 06:00 - 22:00               |                            |      |      |      |      |      |      |      |  |
|                      | Leq                         | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                          | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 59,1                        | 60                         | 33,0 | 69,0 | 45,6 | 55,0 | 59,0 | 61,0 | 64,0 |  |



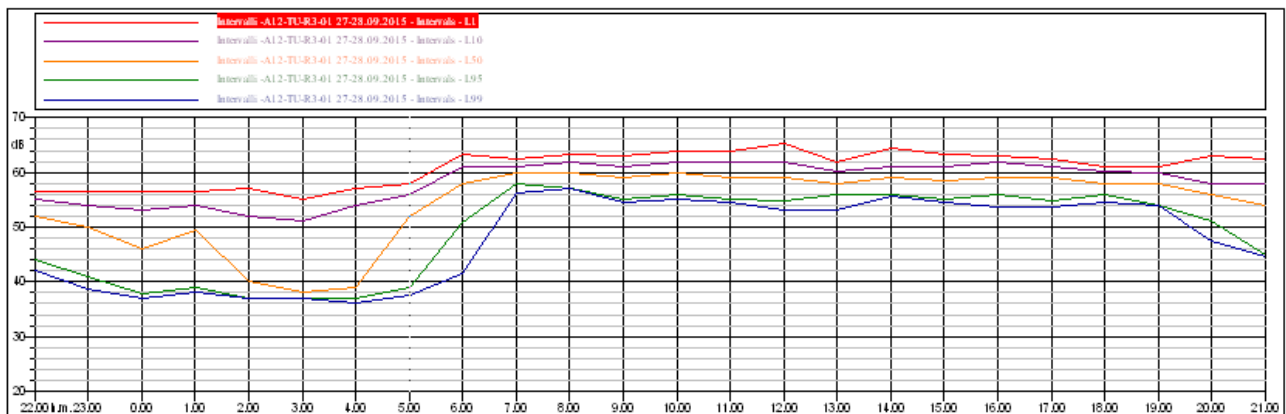
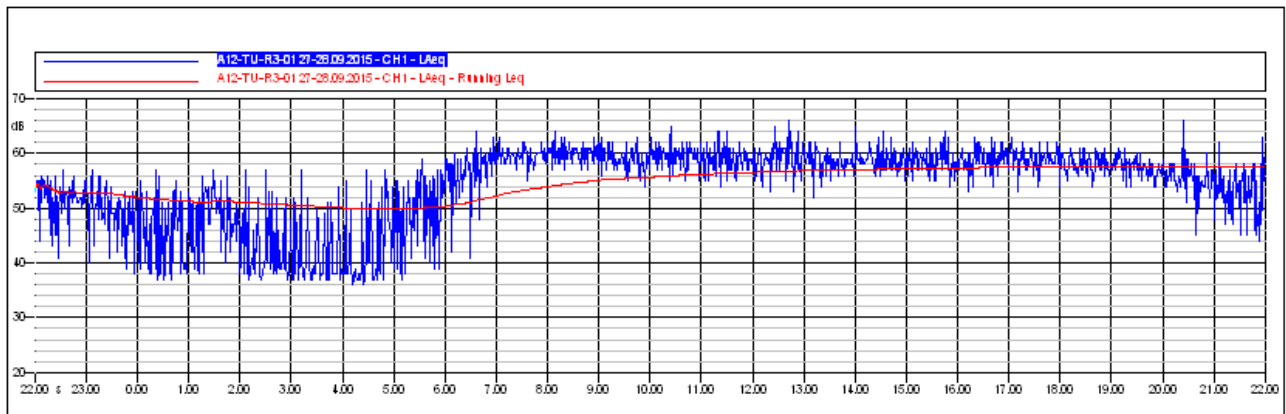
| File                 |                           | A12-TU-R3-01 24-25.09.2015 |      |      |      |      |      |      |      |  |
|----------------------|---------------------------|----------------------------|------|------|------|------|------|------|------|--|
| Ubicazione           |                           |                            |      |      |      |      |      |      |      |  |
| Tipo dati            | Leq                       |                            |      |      |      |      |      |      |      |  |
| Pesatura             | A                         |                            |      |      |      |      |      |      |      |  |
| Unit                 | dB                        |                            |      |      |      |      |      |      |      |  |
| Inizio               | giovedì 24 settembre 2015 |                            |      |      |      |      |      |      |      |  |
| Fine                 | venerdì 25 settembre 2015 |                            |      |      |      |      |      |      |      |  |
| Periodo              | Notturno                  |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 22:00 - 06:00             |                            |      |      |      |      |      |      |      |  |
|                      | Leq                       | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                        | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 49,4                      | 50                         | 18,0 | 63,0 | 19,0 | 23,0 | 47,0 | 53,0 | 58,0 |  |
| Periodo              | Diurno                    |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 06:00 - 22:00             |                            |      |      |      |      |      |      |      |  |
|                      | Leq                       | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                        | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 59,3                      | 60                         | 31,0 | 69,0 | 43,2 | 55,0 | 59,0 | 61,0 | 66,4 |  |



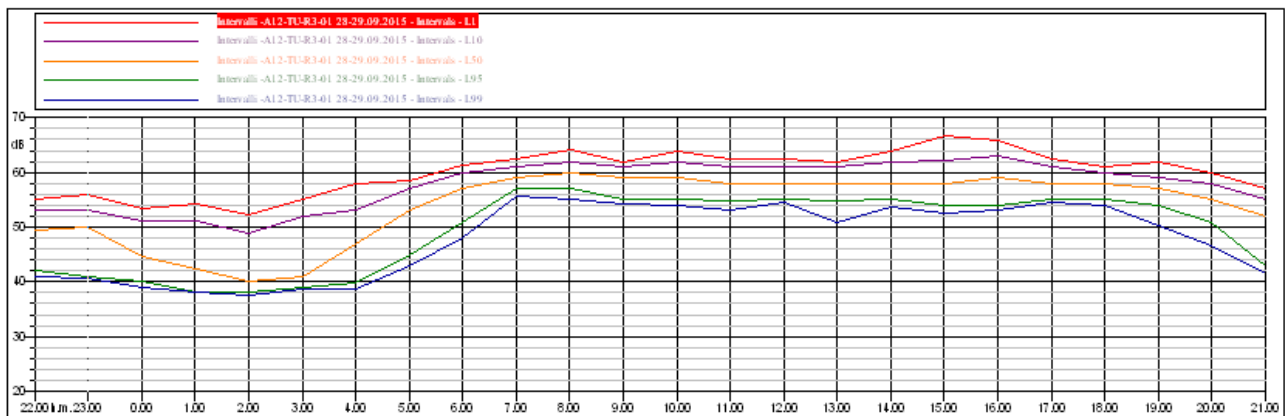
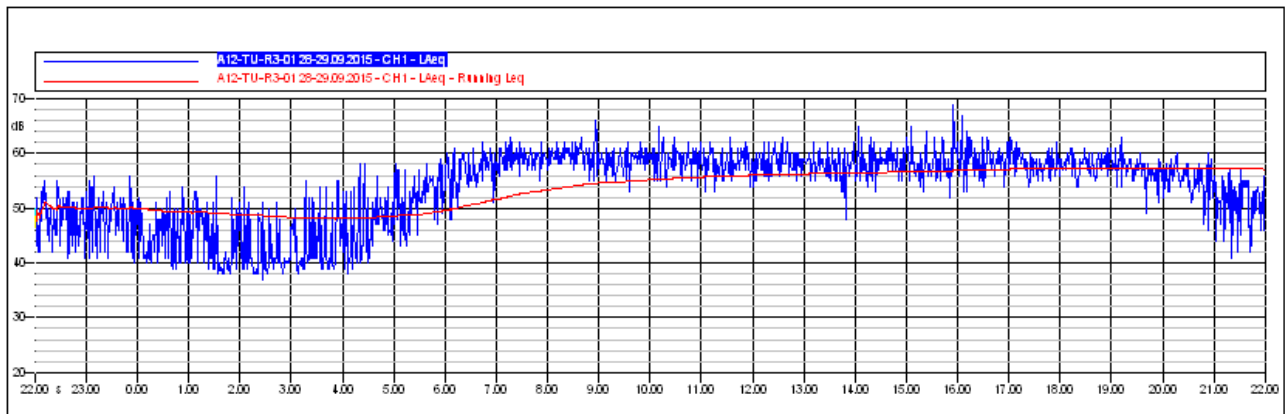
| File                 |                           | A12-TU-R3-01 25-26.09.2015 |      |      |      |      |      |      |      |  |
|----------------------|---------------------------|----------------------------|------|------|------|------|------|------|------|--|
| Ubicazione           |                           |                            |      |      |      |      |      |      |      |  |
| Tipo dati            | Leq                       |                            |      |      |      |      |      |      |      |  |
| Pesatura             | A                         |                            |      |      |      |      |      |      |      |  |
| Unit                 | dB                        |                            |      |      |      |      |      |      |      |  |
| Inizio               | venerdì 25 settembre 2015 |                            |      |      |      |      |      |      |      |  |
| Fine                 | sabato 26 settembre 2015  |                            |      |      |      |      |      |      |      |  |
| Periodo              | Notturno                  |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 22:00 - 06:00             |                            |      |      |      |      |      |      |      |  |
|                      | Leq                       | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                        | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 50,4                      | 50                         | 36,0 | 60,0 | 37,0 | 38,0 | 49,0 | 54,0 | 57,2 |  |
| Periodo              | Diurno                    |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 06:00 - 22:00             |                            |      |      |      |      |      |      |      |  |
|                      | Leq                       | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                        | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 58,4                      | 60                         | 38,0 | 68,0 | 49,6 | 55,0 | 58,0 | 60,0 | 63,4 |  |



| File                 |                            | A12-TU-R3-01 26-27.09.2015 |      |      |      |      |      |      |      |  |
|----------------------|----------------------------|----------------------------|------|------|------|------|------|------|------|--|
| Ubicazione           |                            |                            |      |      |      |      |      |      |      |  |
| Tipo dati            | Leq                        |                            |      |      |      |      |      |      |      |  |
| Pesatura             | A                          |                            |      |      |      |      |      |      |      |  |
| Unit                 | dB                         |                            |      |      |      |      |      |      |      |  |
| Inizio               | sabato 26 settembre 2015   |                            |      |      |      |      |      |      |      |  |
| Fine                 | domenica 27 settembre 2015 |                            |      |      |      |      |      |      |      |  |
| Periodo              | Notturmo                   |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 22:00 - 06:00              |                            |      |      |      |      |      |      |      |  |
|                      | Leq                        | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                         | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 51,0                       | 50                         | 36,0 | 60,0 | 37,0 | 40,0 | 50,0 | 54,0 | 56,0 |  |
| Periodo              | Diurno                     |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 06:00 - 22:00              |                            |      |      |      |      |      |      |      |  |
|                      | Leq                        | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                         | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 57,9                       | 60                         | 38,0 | 67,0 | 46,0 | 54,0 | 57,5 | 60,0 | 63,4 |  |



| File                 |                            | A12-TU-R3-01 27-28.09.2015 |      |      |      |      |      |      |      |  |
|----------------------|----------------------------|----------------------------|------|------|------|------|------|------|------|--|
| Ubicazione           |                            |                            |      |      |      |      |      |      |      |  |
| Tipo dati            | Leq                        |                            |      |      |      |      |      |      |      |  |
| Pesatura             | A                          |                            |      |      |      |      |      |      |      |  |
| Unit                 | dB                         |                            |      |      |      |      |      |      |      |  |
| Inizio               | domenica 27 settembre 2015 |                            |      |      |      |      |      |      |      |  |
| Fine                 | lunedì 28 settembre 2015   |                            |      |      |      |      |      |      |      |  |
| Periodo              | Notturmo                   |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 22:00 - 06:00              |                            |      |      |      |      |      |      |      |  |
|                      | Leq                        | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                         | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 50,3                       | 50                         | 36,0 | 59,0 | 37,0 | 38,0 | 48,0 | 55,0 | 57,0 |  |
| Periodo              | Diurno                     |                            |      |      |      |      |      |      |      |  |
| Intervallo temporale | 06:00 - 22:00              |                            |      |      |      |      |      |      |      |  |
|                      | Leq                        | Limite                     | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |  |
|                      | dB                         | dB                         | dB   | dB   | dB   | dB   | dB   | dB   | dB   |  |
| Livello              | 59,0                       | 60                         | 41,0 | 66,0 | 47,0 | 55,0 | 58,0 | 61,0 | 64,0 |  |



| File                              |                           |        |      |      |      |      |      |      |      |
|-----------------------------------|---------------------------|--------|------|------|------|------|------|------|------|
| <b>A12-TU-R3-01 28-29.09.2015</b> |                           |        |      |      |      |      |      |      |      |
| Ubicazione                        |                           |        |      |      |      |      |      |      |      |
| Tipo dati                         | Leq                       |        |      |      |      |      |      |      |      |
| Pesatura                          | A                         |        |      |      |      |      |      |      |      |
| Unit                              | dB                        |        |      |      |      |      |      |      |      |
| Inizio                            | lunedì 28 settembre 2015  |        |      |      |      |      |      |      |      |
| Fine                              | martedì 29 settembre 2015 |        |      |      |      |      |      |      |      |
| Periodo                           | Notturmo                  |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 22:00 - 06:00             |        |      |      |      |      |      |      |      |
|                                   | Leq                       | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                        | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 49,5                      | 50     | 37,0 | 59,0 | 38,0 | 40,0 | 47,0 | 53,0 | 58,0 |
| Periodo                           | Diurno                    |        |      |      |      |      |      |      |      |
| Intervallo temporale              | 06:00 - 22:00             |        |      |      |      |      |      |      |      |
|                                   | Leq                       | Limite | Lmin | Lmax | L99  | L95  | L50  | L10  | L1   |
|                                   | dB                        | dB     | dB   | dB   | dB   | dB   | dB   | dB   | dB   |
| Livello                           | 58,6                      | 60     | 41,0 | 69,0 | 46,0 | 54,0 | 58,0 | 61,0 | 63,0 |



## MATRICE ATMOSFERA

SAT LAVORI P.A. Civitavecchia Tarquinia Lotto 6a

**Comune:** Canino (VT)

**Data osservazione:** 23-29/9/2015

**Regione:** Lazio

**Programma lavori settimanale:** 139-140

**Codice Istat:**

**Operatore:** M. D'Aniello

**Codice:**

**A12-CA-A2-01**

**WBS:**

SR 312

**Coordinate punto:**

42°27'56.81"N

11°45'00.34"E

**Altre sorgenti:**

traffico stradale

viabilità cantiere

cantiere

**Fase monitoraggio:**

Ante operam

Corso operam

Post operam

**Metodologia:**

A1: PM10, PM2.5, NO, NO<sub>2</sub>, NOX, CO, O<sub>3</sub>, Benzene, Parametri Meteo, IPA

A2: PM10

**Durata monitoraggio:**

7 giorni

**Normativa di riferimento:**

D. Lgs. 155 del 2010

**Risultati Misure:**

### PM10

| Determinazione                   | Risultato | u.m.              | Metodo                   | Data campionamento |
|----------------------------------|-----------|-------------------|--------------------------|--------------------|
| Particolto in sospensione (PM10) | 19,8      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 23/09/2015         |
| Particolto in sospensione (PM10) | 18,5      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 24/09/2015         |
| Particolto in sospensione (PM10) | 24,3      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 25/09/2015         |
| Particolto in sospensione (PM10) | 14,3      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 26/09/2015         |
| Particolto in sospensione (PM10) | 17,9      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 27/09/2015         |
| Particolto in sospensione (PM10) | 14,3      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 28/09/2015         |
| Particolto in sospensione (PM10) | 16,0      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 29/09/2015         |

## MATRICE ATMOSFERA

SAT LAVORI P.A. Civitavecchia Tarquinia Lotto 6a

**Comune:** Monte Romano (VT)

**Data osservazione:** 15-21/9/2015

**Regione:** Lazio

**Programma lavori settimanale:** 138-139

**Codice Istat:**

**Operatore:** M. D'Aniello

**Codice:**

**A12-MR-A2-01**

**WBS:**

SS 1 bis

**Coordinate punto:**

42°16'09.49"N

11°54'02.77"E

**Altre sorgenti:**

traffico stradale

viabilità cantiere

cantiere

**Fase monitoraggio:**

Ante operam

Corso operam

Post operam

**Metodologia:**

A1: PM10, PM2.5, NO, NO<sub>2</sub>, NOX, CO, O<sub>3</sub>, Benzene, Parametri Meteo, IPA

A2: PM10

**Durata monitoraggio:**

7 giorni

**Normativa di riferimento:**

D. Lgs. 155 del 2010

**Risultati Misure:**

### PM10

| Determinazione                   | Risultato | u.m.              | Metodo                   | Data campionamento |
|----------------------------------|-----------|-------------------|--------------------------|--------------------|
| Particolto in sospensione (PM10) | 11,6      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 15/09/2015         |
| Particolto in sospensione (PM10) | 17,5      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 16/09/2015         |
| Particolto in sospensione (PM10) | 15,0      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 17/09/2015         |
| Particolto in sospensione (PM10) | 23,5      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 18/09/2015         |
| Particolto in sospensione (PM10) | 22,5      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 19/09/2015         |
| Particolto in sospensione (PM10) | 16,6      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 20/09/2015         |
| Particolto in sospensione (PM10) | 19,6      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 21/09/2015         |

## MATRICE ATMOSFERA

SAT LAVORI P.A. Civitavecchia Tarquinia Lotto 6a

**Comune:** Toscana (VT)

**Data osservazione:** 23-29/9/2015

**Regione:** Lazio

**Programma lavori settimanale:** 139-140

**Codice Istat:**

**Operatore:** M. D'Aniello

**Codice:**

A12-TU-A2-01

**WBS:**

SP 3

**Coordinate punto:**

42°24'56.50"N

11°51'20.37"E

**Altre sorgenti:**

traffico stradale

viabilità cantiere

cantiere

**Fase monitoraggio:**

Ante operam

Corso operam

Post operam

**Metodologia:**

A1: PM10, PM2.5, NO, NO<sub>2</sub>, NOX, CO, O<sub>3</sub>, Benzene, Parametri Meteo, IPA

A2: PM10

**Durata monitoraggio:**

7 giorni

**Normativa di riferimento:**

D. Lgs. 155 del 2010

**Risultati Misure:**

### PM10

| Determinazione                   | Risultato | u.m.              | Metodo                   | Data campionamento |
|----------------------------------|-----------|-------------------|--------------------------|--------------------|
| Particolto in sospensione (PM10) | 19,8      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 23/09/2015         |
| Particolto in sospensione (PM10) | 18,6      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 24/09/2015         |
| Particolto in sospensione (PM10) | 24,6      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 25/09/2015         |
| Particolto in sospensione (PM10) | 14,2      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 26/09/2015         |
| Particolto in sospensione (PM10) | 17,9      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 27/09/2015         |
| Particolto in sospensione (PM10) | 14,4      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 28/09/2015         |
| Particolto in sospensione (PM10) | 16,1      | µg/m <sup>3</sup> | UNI EN 12341:2001 App. C | 29/09/2015         |