

# ANAS

S.p.A.

DIREZIONE REGIONALE PER LA SICILIA

## PA 12/09

### CORRIDOIO PLURIMODALE TIRRENICO - NORD EUROPA ITINERARIO AGRIGENTO - CALTANISSETTA - A19

#### S.S. N° 640 "DI PORTO EMPEDOCLE"

#### AMMODERNAMENTO E ADEGUAMENTO ALLA CAT. B DEL D.M. 5.11.2001

#### Dal km 44+000 allo svincolo con l'A19



## PROGETTO DI DETTAGLIO

CONTRAENTE GENERALE



### MONITORAGGIO IN CORSO D'OPERA GENERALE P.M.A. - ATMOSFERA

#### Schede di monitoraggio periodo Maggio 2023 - Ottobre 2023

Deposito Anas:

Codice Unico Progetto (CUP) : F91B09000070001

6063-383

Codice Elaborato:

PA12\_09 - C 0 0 0 G E 2 2 7 M O 0 1 O S H 0 0 1 A ----

F						
E						
D						
C						
B						
A	Febbraio 2024	EMISSIONE	C. FERONE	C. FERONE	A.ANTONELLI	A.FINAMORE
REV.	DATA	DESCRIZIONE	REDATTO	VERIFICATO	APPROVATO	AUTORIZZATO

Il Progettista:



Il Consulente Specialista:



Il Geologo:

Il coordinatore per la sicurezza  
in fase di esecuzione:



Il Direttore dei Lavori:

Responsabile del procedimento: Ing. LUIGI MUPO

**Monitoraggio componente ATMOSFERA**  
**Scheda di rilevazione**

**RILIEVO PLANIMETRICO**

**Codice misura: ATM\_20**



**LOCALIZZAZIONE GEOGRAFICA**

Località: C.da Imera  
Comune: Caltanissetta  
Provincia: Caltanissetta  
Regione: Sicilia  
Distanza dal tracciato: 100 m

**ANAGRAFICA**

<b>Misura N.</b>	ATM_20	<b>Durata Rilievi</b>	Da:	18/05/2023
			A:	31/05/2023

**COORDINATE:** 37.533729° N, 14.125015° E

**Fase di monitoraggio:** CORSO D'OPERA

**STRUMENTAZIONE DI MISURA**

Laboratorio mobile per il monitoraggio della qualità dell'aria conforme alla normativa D.Lgs 155/2010 – Fiat Ducato - targa GK 071 HV

Tecnico rilevatore: geol. Claudio Girgenti

*Monitoraggio componente ATMOSFERA*

**DOCUMENTAZIONE FOTOGRAFICA**



**Opera (WBS) e tipo di attività eseguita nei pressi della stazione di misura:**

T.O. 4 (19+200 - 28+082) 159 - VI2.15 DX - VIADOTTO SALSO DX - PISTA DX - ELEVAZIONI PILA 13, 14, 16, 18, 19

T.O. 4 (19+200 - 28+082) 159 - VI2.15 DX - VIADOTTO SALSO DX - PISTA DX - PULVINI PILE 1, 2, 4, 5, 6 DX - PILE DX

Per i parametri misurati, si rimanda ai rapporti di prova e alle schede di campo.



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 18 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	49.11	0.43	5.20	6.22	33.79	0.75	0.03	0.12	0.21	12.5	1009.9	WNW	1.3	80.0	0.0	0.0
02:00	51.53	0.48	5.77	6.90	39.47	0.69	0.06	0.19	0.20	11.9	1010.1	NW	0.9	82.0	0.0	0.0
03:00	56.51	0.53	6.19	7.42	39.92	0.61	0.05	0.13	0.26	11.3	1009.9	ENE	0.4	83.0	0.0	0.0
04:00	51.58	0.54	6.39	7.65	35.27	0.55	0.06	0.14	0.31	10.9	1009.7	NE	1.3	84.0	0.0	0.0
05:00	52.76	0.55	7.14	8.49	33.80	0.53	0.06	0.11	0.13	10.8	1009.6	W	1.3	83.0	0.0	0.0
06:00	51.05	0.57	7.59	9.01	26.37	0.56	0.03	0.13	0.12	10.6	1009.6	WNW	1.3	83.0	0.0	5.9
07:00	39.98	0.70	7.59	9.16	20.22	0.59	0.07	0.15	0.19	10.7	1009.9	WNW	1.3	84.0	0.0	28.9
08:00	48.97	0.58	8.39	9.91	18.60	0.64	0.06	0.17	0.13	12.4	1010.2	W	0.4	81.0	0.0	57.5
09:00	61.47	0.57	8.30	9.80	13.80	0.65	0.08	0.04	0.11	15.1	1010.5	WNW	1.3	76.0	0.0	92.0
10:00	72.99	0.53	7.00	8.32	18.98	0.63	0.05	0.02	0.19	17.7	1010.5	W	1.3	67.0	0.0	68.2
11:00	73.87	0.47	5.55	6.65	17.38	0.62	0.04	0.05	0.19	19.8	1010.5	WNW	0.9	60.0	0.0	125.1
12:00	76.00	0.58	6.17	7.46	15.93	0.69	0.02	0.06	0.14	21.1	1010.3	ENE	0.9	56.0	0.0	214.1
13:00	70.92	0.63	6.80	8.21	13.16	0.64	0.01	0.02	0.06	22.9	1009.9	WNW	1.8	49.0	0.0	137.0
14:00	64.93	0.73	8.16	9.82	16.03	0.61	0.00	0.04	0.11	23.3	1008.9	ENE	1.8	46.0	0.0	173.5
15:00	55.75	0.71	8.07	9.70	14.92	0.67	0.03	0.02	0.12	20.1	1008.6	S	3.1	60.0	0.0	220.8
16:00	52.59	0.67	7.03	8.51	17.41	0.73	0.00	0.01	0.07	14.1	1008.6	S	0.9	83.0	0.0	190.2
17:00	46.02	0.58	5.15	6.33	31.55	0.71	0.01	0.04	0.03	11.2	1008.7	W	1.8	88.0	0.0	86.3
18:00	50.46	0.52	5.64	6.80	44.51	0.69	0.00	0.04	0.02	12.2	1009.1	WNW	1.3	94.0	0.0	32.6
19:00	54.91	0.62	6.75	8.14	41.55	0.73	0.02	0.01	0.07	12.9	1008.2	NW	1.3	92.0	0.0	39.1
20:00	59.25	0.68	7.95	9.53	43.74	0.68	0.02	0.04	0.09	13.1	1008.4	WNW	1.3	86.0	0.0	26.9
21:00	64.55	0.61	7.45	8.90	39.04	0.79	0.06	0.02	0.22	12.3	1008.2	NW	2.7	85.0	0.0	0.0
22:00	61.71	0.55	6.18	7.43	50.90	0.73	0.01	0.00	0.10	11.5	1008.4	WNW	0.9	88.0	0.0	0.0
23:00	60.58	0.53	5.80	6.99	50.99	0.66	0.01	0.04	0.10	11.1	1008.8	WNW	1.3	87.0	0.0	0.0
00:00	63.75	0.51	5.48	6.62	42.00	0.63	0.07	0.02	0.11	10.6	1008.7	WNW	0.9	88.0	0.0	0.0

Mean	57.97	0.58	6.74	8.08	29.97	0.66	0.04	0.07	0.14	14.2	1009.38		1.3	77.7	0.0	62.4
Min	39.98	0.43	5.15	6.22	13.16	0.53	0.00	0.00	0.02	10.6	1008.20		0.4	46.0	0.0	0.0
Max	76.00	0.73	8.39	9.91	50.99	0.79	0.08	0.19	0.31	23.3	1010.50		3.1	94.0	0.0	220.8

<b>PTS</b> µg/m³ 14
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	0.00354
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 19 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	64.84	0.51	5.72	6.64	31.10	0.63	0.06	0.02	0.05	10.8	1008.5	NW	2.7	87.0	0.0	0.0
02:00	64.68	0.49	6.09	7.01	41.03	0.54	0.05	0.01	0.08	11.2	1008.3	NW	2.2	89.0	0.0	0.0
03:00	64.82	0.47	6.15	7.06	48.99	0.58	0.01	0.03	0.04	12.4	1008.0	WNW	1.3	88.0	0.0	0.0
04:00	58.36	0.42	6.35	7.22	36.23	0.55	0.01	0.05	0.12	13.5	1007.6	WNW	1.3	88.0	0.0	0.0
05:00	55.53	0.41	6.62	7.49	32.18	0.59	0.05	0.06	0.07	14.6	1007.5	NW	0.9	88.0	0.0	0.0
06:00	48.26	0.43	6.89	7.80	29.42	0.63	0.03	0.11	0.15	15.2	1007.1	WNW	1.3	88.0	0.0	9.8
07:00	32.66	0.49	7.16	8.15	15.45	0.69	0.01	0.03	0.14	15.7	1007.3	NE	0.9	88.0	0.0	49.5
08:00	34.34	0.50	7.36	8.38	16.62	0.74	0.08	0.14	0.30	16.6	1007.8	W	1.3	83.0	0.0	150.1
09:00	54.59	0.56	6.63	7.66	22.16	0.67	0.08	0.15	0.26	16.8	1007.9	WNW	0.9	77.0	0.0	129.6
10:00	65.26	0.47	5.75	6.63	18.79	0.63	0.04	0.13	0.19	17.2	1008.4	NW	0.9	74.0	0.0	413.4
11:00	63.20	0.45	5.45	6.29	17.98	0.58	0.08	0.00	0.12	17.5	1008.4	NNE	1.3	65.0	0.0	548.6
12:00	60.63	0.44	5.99	6.85	16.31	0.54	0.02	0.00	0.06	18.2	1008.4	ENE	0.4	58.0	0.0	369.3
13:00	58.99	0.45	6.50	7.41	14.01	0.53	0.03	0.07	0.04	18.7	1007.8	WNW	0.9	55.0	0.0	604.4
14:00	60.65	0.61	6.54	7.62	18.20	0.57	0.00	0.06	0.10	19.3	1007.2	WNW	0.9	49.0	0.0	650.1
15:00	78.02	0.57	7.18	8.26	15.96	0.61	0	0.05	0.10	20.1	1006.7	WNW	0.9	42.0	0.0	355.6
16:00	79.48	0.50	7.02	8.01	24.79	0.63	0.02	0.02	0.01	19.8	1006.3	WNW	0.9	39.0	0.0	99.2
17:00	76.48	0.42	6.58	7.46	25.60	0.59	0.03	0.03	0.11	19.2	1006.7	WSW	1.8	73.0	3.2	127.2
18:00	64.37	0.44	5.53	6.36	31.68	0.67	0.05	0.08	0.09	18.5	1007.0	SW	1.8	91.0	0.0	100.6
19:00	59.50	0.47	5.81	6.69	37.03	0.71	0.01	0.06	0.05	18.2	1007.5	WNW	1.3	93.0	0.0	56.9
20:00	59.80	0.50	7.33	8.35	39.25	0.75	0.02	0.07	0.08	17.5	1006.7	WNW	1.8	91.0	0.0	18.5
21:00	56.39	0.43	6.97	7.89	37.53	0.77	0.04	0.04	0.06	16.7	1007.1	WNW	0.9	91.0	0.0	0.1
22:00	54.18	0.35	6.33	7.18	29.69	0.71	0.01	0.04	0.04	15.8	1007.6	WNW	1.3	89.0	0.0	0.0
23:00	44.98	0.31	5.41	6.77	15.14	0.62	0.02	0.00	0.02	15.2	1008.0	NNW	0.4	88.0	0.0	0.0
00:00	43.05	0.29	4.82	5.88	13.29	0.59	0.01	0.03	0.01	14.3	1008.3	n.p.	calma	85.0	0.0	0.0
Mean	58.46	0.46	6.34	7.29	26.18	0.63	0.03	0.05	0.10	16.4	1007.59		1.2	77.5	0.1	153.5
Min	32.66	0.29	4.82	5.88	13.29	0.53	0.00	0.00	0.01	10.8	1006.30		0.4	39.0	0.0	0.0
Max	79.48	0.61	7.36	8.38	48.99	0.77	0.08	0.15	0.30	20.1	1008.50		2.7	93.0	3.2	650.1

<b>PTS</b>
µg/m³
9.3

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	0.0032
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 20 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	44.21	0.25	4.53	5.27	12.61	0.54	0.00	0.04	0.02	13.8	1008.6	n.p.	calma	82.0	0.0	0.0
02:00	45.17	0.28	4.59	5.37	18.04	0.65	0.00	0.05	0.05	13.2	1009.1	WNW	0.4	86.0	0.0	0.0
03:00	47.22	0.34	5.03	5.92	22.20	0.77	0.01	0.08	0.05	13.6	1008.7	n.p.	calma	85.0	0.0	0.0
04:00	48.01	0.35	5.49	6.44	25.80	0.78	0.01	0.09	0.05	14.3	1007.9	n.p.	calma	90.0	0.2	0.0
05:00	48.38	0.37	5.50	6.48	26.79	0.64	0.01	0.12	0.07	15.2	1007.1	SW	0.4	84.0	0.1	0.0
06:00	52.07	0.37	5.78	6.78	28.34	0.63	0.00	0.13	0.09	15.8	1007.9	ENE	0.4	89.0	0.0	5.1
07:00	53.29	0.42	5.90	6.97	27.84	0.64	0.02	0.13	0.08	16.2	1007.0	WNW	0.4	90.0	0.0	42.0
08:00	55.03	0.28	6.19	7.14	17.74	0.79	0.02	0.15	0.07	16.2	1005.7	ENE	0.4	89.0	0.0	158.7
09:00	57.06	0.23	6.12	7.01	11.49	0.77	0.03	0.11	0.11	16.6	1006.9	WNW	0.4	87.0	0.0	416.7
10:00	57.91	0.20	5.24	6.00	9.95	0.73	0.05	0.09	0.05	17.8	1006.8	WNW	0.9	84.0	0.0	595.8
11:00	63.43	0.16	4.38	5.01	13.34	0.67	0.04	0.09	0.05	18.1	1007.0	n.p.	calma	73.0	0.0	697.8
12:00	64.70	0.17	3.43	3.97	16.80	0.53	0.04	0.11	0.03	18.5	1006.0	S	0.9	75.0	0.0	757.1
13:00	71.16	0.21	3.55	4.15	24.38	0.55	0.06	0.14	0.01	17.6	1006.3	S	1.8	68.0	0.0	754.9
14:00	72.30	0.39	3.76	4.58	30.71	0.56	0.05	0.15	0.04	17.8	1006.1	S	3.1	66.0	0.0	820.1
15:00	73.90	0.45	5.32	6.37	36.63	0.56	0.04	0.14	0.06	17.2	1006.1	SSE	3.1	66.0	0.0	343.8
16:00	75.97	0.41	6.11	7.19	38.99	0.54	0.05	0.03	0.09	16.9	1006.3	SE	2.2	71.0	0.0	43.9
17:00	57.03	0.33	3.83	4.59	39.05	0.56	0.05	0.03	0.11	16.1	1005.7	S	2.7	73.0	0.0	36.5
18:00	56.70	0.25	3.50	4.14	38.21	0.53	0.02	0.00	0.14	15.4	1005.6	S	1.3	79.0	0.2	40.3
19:00	55.61	0.21	4.68	5.39	34.18	0.52	0.00	0.03	0.10	14.8	1006.1	SSW	0.9	82.0	0.2	39.3
20:00	52.14	0.30	4.32	5.10	22.95	0.53	0.02	0.06	0.08	14.5	1006.1	S	1.3	87.0	0.1	15.0
21:00	49.38	0.28	4.23	4.98	9.48	0.67	0.02	0.09	0.09	13.9	1006.4	S	0.4	91.0	0.0	0.0
22:00	48.85	0.26	4.10	4.81	14.85	0.56	0.03	0.16	0.19	13.4	1006.5	n.p.	calma	92.0	0.0	0.0
23:00	47.50	0.25	3.67	4.32	39.24	0.53	0.01	0.04	0.07	13.2	1006.9	W	0.9	93.0	0.0	0.0
00:00	47.07	0.21	3.38	3.96	35.29	0.55	0.00	0.02	0.09	12.7	1006.4	WNW	0.9	94.0	0.0	0.0

Mean	56.00	0.29	4.69	5.50	24.79	0.62	0.02	0.09	0.07	15.5	1006.80		0.0	82.3	0.0	198.6
Min	44.21	0.16	3.38	3.96	9.48	0.52	0.00	0.00	0.01	12.7	1005.60		0.4	66.0	0.0	0.0
Max	75.97	0.45	6.19	7.19	39.24	0.79	0.06	0.16	0.19	18.5	1009.10		3.1	94.0	0.2	820.1

<b>PTS</b> µg/m³
5.9

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	0.0025
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 21 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	45.11	0.16	3.68	4.24	31.23	0.63	0.01	0.03	0.06	12.8	1006.4	WNW	0.4	94.0	0.0	0.0
02:00	46.35	0.23	4.17	4.86	26.85	0.54	0.02	0.01	0.04	12.4	1006.1	ENE	0.4	94.0	0.0	0.0
03:00	44.94	0.28	4.34	5.10	18.54	0.54	0.06	0.02	0.03	12.4	1005.5	WNW	0.4	95.0	0.0	0.0
04:00	38.73	0.29	4.80	5.62	18.02	0.64	0.01	0.06	0.05	12.2	1005.1	WNW	1.3	95.0	0.0	0.0
05:00	34.55	0.34	5.17	6.08	16.86	0.79	0.05	0.04	0.06	12.1	1004.6	WNW	0.9	95.0	0.0	0.0
06:00	32.91	0.36	6.37	7.43	22.42	0.63	0.09	0.10	0.08	12.0	1004.3	WNW	1.3	95.0	0.1	2.8
07:00	31.11	0.37	7.19	8.34	28.84	0.65	0.08	0.14	0.11	11.9	1004.4	N	0.4	95.0	0.1	25.0
08:00	36.02	0.40	6.58	7.70	21.36	0.64	0.09	0.14	0.12	12.1	1004.1	NE	0.4	95.0	0.2	167.1
09:00	41.27	0.34	6.28	7.31	19.03	0.59	0.03	0.12	0.15	12.3	1003.7	W	0.4	95.0	0.0	457.6
10:00	44.50	0.27	6.04	6.96	16.52	0.55	0.03	0.14	0.15	13.2	1003.6	WNW	0.9	93.0	0.0	622.9
11:00	57.67	0.23	5.70	6.54	13.31	0.63	0.09	0.07	0.19	14.1	1003.7	ENE	1.3	90.0	0.0	764.1
12:00	58.35	0.22	5.26	6.05	20.77	0.61	0.05	0.06	0.17	14.5	1003.9	ENE	0.9	84.0	0.0	854.3
13:00	62.09	0.24	3.37	3.98	23.68	0.56	0.05	0.11	0.17	14.8	1004.2	ENE	0.9	82.0	0.0	782.2
14:00	82.80	0.35	4.19	5.01	27.63	0.43	0.03	0.12	0.26	15.3	1004.2	n.p.	calma	83.0	0.0	875.3
15:00	93.20	0.45	6.45	7.61	28.19	0.45	0.03	0.21	0.19	15.5	1003.9	NE	1.8	75.0	0.0	457.4
16:00	90.07	0.51	7.11	8.41	32.77	0.56	0.03	0.17	0.12	14.7	1003.7	WNW	1.8	69.0	0.0	115.2
17:00	87.86	0.36	4.28	5.12	36.95	0.54	0.04	0.12	0.09	14.2	1003.5	E	1.8	71.0	0.0	71.8
18:00	86.95	0.20	3.55	4.14	39.72	0.54	0.01	0.09	0.10	13.9	1003.7	E	1.3	77.0	0.1	55.5
19:00	83.42	0.18	4.12	4.75	35.95	0.52	0.03	0.07	0.11	13.4	1003.7	S	0.9	78.0	0.1	37.5
20:00	66.34	0.23	4.21	4.90	12.09	0.53	0.08	0.03	0.13	13.1	1004.0	n.p.	calma	81.0	0.1	15.5
21:00	63.53	0.31	4.32	5.11	9.77	0.64	0.00	0.03	0.19	12.8	1004.1	n.p.	calma	83.0	0.0	0.0
22:00	56.77	0.24	4.59	5.33	19.83	0.53	0.08	0.01	0.20	12.5	1004.5	n.p.	calma	87.0	0.0	0.0
23:00	50.20	0.19	4.31	4.97	20.24	0.55	0.08	0.02	0.20	12.8	1004.9	WNW	0.9	89.0	0.0	0.0
00:00	36.24	0.15	3.56	4.09	31.12	0.56	0.00	0.02	0.15	12.4	1004.9	WNW	1.3	88.0	0.0	0.0

Mean	57.12	0.29	4.99	5.82	23.82	0.58	0.04	0.08	0.13	13.2	1004.36		1.0	86.8	0.0	221.0
Min	31.11	0.15	3.37	3.98	9.77	0.43	0.00	0.01	0.03	11.9	1003.50		0.4	69.0	0.0	0.0
Max	93.20	0.51	7.19	8.41	39.72	0.79	0.09	0.21	0.26	15.5	1006.40		1.8	95.0	0.2	875.3

<b>PTS</b> µg/m³
6.8

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	0.00241
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 22 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	35.46	0.21	4.84	5.61	34.60	0.52	0.02	0.03	0.04	12.6	1005.0	WNW	2.2	89.0	0.0	0.0
02:00	36.33	0.22	5.68	6.55	18.06	0.53	0.01	0.06	0.05	12.9	1005.1	WNW	0.9	89.0	0.0	0.0
03:00	35.17	0.32	6.48	7.55	13.55	0.55	0.02	0.11	0.06	13.4	1005.0	WNW	1.8	90.0	0.0	0.0
04:00	34.86	0.32	7.17	8.31	10.78	0.54	0.02	0.15	0.09	13.8	1004.8	WNW	3.6	87.0	0.0	0.0
05:00	34.08	0.36	7.41	8.63	23.57	0.52	0.03	0.08	0.11	14.2	1004.6	WNW	1.3	88.0	0.0	0.0
06:00	33.31	0.40	7.92	9.24	31.95	0.53	0.02	0.06	0.12	14.7	1004.5	WNW	2.7	87.0	0.0	3.7
07:00	37.76	0.28	5.62	6.55	19.88	0.53	0.03	0.06	0.15	15.3	1004.9	WNW	1.8	86.0	0.0	28.1
08:00	39.21	0.23	4.62	5.38	19.85	0.54	0.05	0.09	0.25	16.9	1004.9	WNW	2.2	84.0	0.0	165.8
09:00	44.24	0.12	5.33	6.05	14.88	0.52	0.06	0.10	0.30	17.7	1005.4	NW	2.2	82.0	0.0	437.2
10:00	44.95	0.15	5.86	6.67	8.92	0.52	0.04	0.14	0.19	18.3	1005.4	WNW	2.7	81.0	0.0	599.4
11:00	47.84	0.22	6.34	7.28	12.56	0.53	0.06	0.18	0.06	19.2	1005.5	WNW	1.3	78.0	0.0	744.8
12:00	68.54	0.29	6.50	7.54	18.12	0.53	0.07	0.19	0.03	20.6	1005.8	WNW	2.2	72.0	0.0	818.7
13:00	76.69	0.31	7.72	8.91	25.28	0.56	0.07	0.20	0.09	20.4	1006.0	NW	2.7	64.0	0.0	734.3
14:00	82.39	0.39	7.96	9.27	25.86	0.55	0.08	0.20	0.11	20.7	1005.5	WNW	1.3	64.0	0.0	763.6
15:00	99.00	0.43	7.85	9.19	28.68	0.53	0.05	0.15	0.13	20.1	1005.3	S	3.6	70.0	1.0	349.9
16:00	91.58	0.38	6.36	7.48	29.94	0.55	0.03	0.07	0.21	19.8	1005.5	W	0.9	78.0	0.0	81.4
17:00	90.24	0.32	5.07	5.98	34.49	0.56	0.00	0.04	0.07	19.3	1005.6	WNW	1.3	72.0	0.0	136.7
18:00	83.93	0.27	5.93	6.88	39.09	0.53	0.00	0.03	0.05	18.7	1005.4	WNW	2.2	69.0	0.0	113.9
19:00	83.41	0.24	7.79	8.91	15.60	0.55	0.01	0.01	0.02	18.2	1005.3	WNW	1.3	65.0	0.0	50.5
20:00	81.93	0.26	7.86	9.01	10.40	0.55	0.03	0.13	0.06	17.5	1005.8	NE	0.9	67.0	0.0	7.3
21:00	79.90	0.37	7.58	8.82	14.13	0.53	0.04	0.15	0.15	16.2	1006.0	WNW	1.3	75.0	0.0	0.0
22:00	66.16	0.36	7.38	8.59	16.94	0.52	0.07	0.09	0.24	15.4	1006.5	WNW	2.7	79.0	0.0	0.0
23:00	56.38	0.35	6.17	7.24	27.33	0.62	0.08	0.08	0.29	14.1	1007.0	WNW	1.8	83.0	0.0	0.0
00:00	46.26	0.28	5.05	5.92	32.79	0.55	0.02	0.05	0.06	13.5	1007.5	WNW	1.3	84.0	0.0	0.0
Mean	59.57	0.30	6.52	7.57	21.97	0.54	0.04	0.10	0.12	16.8	1005.51		1.9	78.5	0.0	209.8
Min	33.31	0.12	4.62	5.38	8.92	0.52	0.00	0.01	0.02	12.6	1004.50		0.9	64.0	0.0	0.0
Max	99.00	0.43	7.96	9.27	39.09	0.62	0.08	0.20	0.30	20.7	1007.50		3.6	90.0	1.0	818.7

<b>PTS</b>
µg/m³
8.5

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	0.00365
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 23 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	44.70	0.25	5.81	6.70	35.94	0.55	0.00	0.02	0.02	13.2	1007.8	W	0.9	85.0	0.0	0.0
02:00	43.55	0.23	6.37	7.30	27.83	0.56	0.00	0.00	0.14	12.8	1007.7	WNW	0.9	85.0	0.0	0.0
03:00	35.49	0.22	8.59	9.74	14.54	0.55	0.01	0.08	0.15	12.4	1007.7	WNW	1.3	86.0	0.0	0.0
04:00	31.13	0.42	7.43	8.68	12.29	0.67	0.02	0.12	0.16	12.1	1007.3	WNW	1.8	87.0	0.0	0.0
05:00	30.67	0.47	6.07	7.23	21.24	0.84	0.03	0.13	0.11	11.4	1007.6	W	1.3	87.0	0.0	0.0
06:00	26.37	0.50	6.18	7.38	37.10	0.65	0.03	0.15	0.14	11.1	1007.6	NE	0.9	88.0	0.0	2.4
07:00	29.09	0.51	6.30	7.53	38.59	0.63	0.03	0.15	0.22	10.8	1007.7	WNW	2.2	88.0	0.0	20.4
08:00	34.57	0.33	7.41	8.56	29.48	0.74	0.08	0.21	0.06	12.2	1007.9	W	1.3	85.0	0.0	21.1
09:00	45.14	0.31	8.68	9.94	16.57	0.86	0.04	0.10	0.18	14.8	1008.0	WNW	1.8	77.0	0.0	39.5
10:00	57.00	0.27	6.56	7.55	7.73	0.74	0.08	0.09	0.17	15.7	1008.0	WNW	1.3	70.0	0.0	100.9
11:00	58.48	0.24	4.43	5.16	6.36	0.75	0.04	0.05	0.20	16.8	1008.0	WNW	1.3	62.0	0.0	442.8
12:00	62.03	0.20	6.46	7.36	9.41	0.65	0.07	0.10	0.06	17.3	1008.2	NNE	0.9	49.0	0.0	387.9
13:00	80.24	0.26	5.93	6.84	11.41	0.66	0.05	0.13	0.20	18.9	1008.3	SSW	0.9	43.0	0.0	309.2
14:00	85.96	0.28	6.82	7.85	10.02	0.64	0.07	0.16	0.07	20.3	1008.0	S	1.3	40.0	0.0	396.0
15:00	88.19	0.29	7.91	9.06	12.24	0.65	0.06	0.21	0.28	21.1	1008.0	S	1.3	46.0	0.0	297.7
16:00	82.76	0.30	7.28	8.38	15.93	0.67	0.03	0.15	0.02	19.5	1007.6	SSW	0.4	65.0	0.0	144.5
17:00	81.45	0.45	7.12	8.37	25.04	0.53	0.03	0.10	0.03	17.3	1007.6	S	1.3	48.0	0.0	86.9
18:00	76.67	0.42	3.94	4.82	31.12	0.53	0.01	0.10	0.11	16.3	1007.5	S	0.9	46.0	0.0	38.7
19:00	75.90	0.20	4.99	5.74	22.85	0.52	0.02	0.03	0.23	15.1	1007.3	SSW	0.4	50.0	0.0	62.7
20:00	73.71	0.33	5.63	6.59	15.71	0.54	0.01	0.06	0.12	15.0	1007.2	n.p.	calma	57.0	0.0	34.4
21:00	55.64	0.53	8.94	10.47	14.45	0.67	0.06	0.18	0.14	14.8	1007.5	n.p.	calma	65.0	0.0	1.0
22:00	55.19	0.40	8.53	9.87	15.66	0.63	0.05	0.17	0.11	14.0	1008.2	WNW	0.9	73.0	0.0	0.0
23:00	54.37	0.39	6.70	7.84	23.34	0.55	0.02	0.04	0.09	13.8	1008.5	WNW	1.3	76.0	0.0	0.0
00:00	54.06	0.37	5.59	6.59	33.52	0.54	0.01	0.04	0.06	13.5	1008.8	NW	0.4	79.0	0.0	0.0

Mean	56.77	0.34	6.65	7.73	20.35	0.64	0.04	0.11	0.13	15.0	1007.83		1.2	68.2	0.0	99.4
Min	26.37	0.20	3.94	4.82	6.36	0.52	0.00	0.00	0.02	10.8	1007.20		0.4	40.0	0.0	0.0
Max	88.19	0.53	8.94	10.47	38.59	0.86	0.08	0.21	0.28	21.1	1008.80		2.2	88.0	0.0	442.8

<b>PTS</b> µg/m³
16.6

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	0.00257
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
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 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 24 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	37.65	0.34	5.81	6.77	28.20	0.52	0.01	0.02	0.11	13.8	1008.9	n.p.	calma	84.0	0.0	0.0
02:00	36.84	0.31	6.10	7.06	27.41	0.52	0.00	0.01	0.06	13.1	1008.9	WNW	1.3	84.0	0.0	0.0
03:00	46.12	0.34	7.63	8.78	15.60	0.54	0.00	0.01	0.01	12.7	1008.6	WNW	1.8	85.0	0.0	0.0
04:00	53.52	0.46	8.62	10.00	9.14	0.62	0.02	0.04	0.15	12.3	1008.4	WNW	1.3	85.0	0.0	0.0
05:00	62.71	0.47	6.95	8.17	16.51	0.67	0.03	0.05	0.01	11.8	1008.2	WNW	1.3	86.0	0.0	0.0
06:00	71.05	0.51	5.54	6.66	16.54	0.68	0.02	0.04	0.15	11.2	1008.3	WNW	1.3	87.0	0.0	4.6
07:00	75.45	0.55	4.60	5.67	19.35	0.56	0.04	0.07	0.21	11.4	1008.2	WNW	1.3	85.0	0.0	47.0
08:00	86.81	0.61	5.82	7.08	11.06	0.65	0.05	0.11	0.32	12.2	1008.6	NE	0.4	86.0	0.0	182.7
09:00	88.03	0.58	5.97	7.21	10.02	0.76	0.08	0.15	0.30	15.1	1009.0	W	0.9	75.0	0.0	480.5
10:00	90.38	0.38	8.61	9.90	9.62	0.76	0.05	0.17	0.12	18.7	1009.4	ENE	0.9	65.0	0.0	620.2
11:00	91.80	0.28	7.08	8.11	7.70	0.62	0.00	0.09	0.11	21.6	1009.2	E	0.4	55.0	0.0	748.1
12:00	98.45	0.52	4.32	5.33	10.04	0.67	0.07	0.09	0.14	23.3	1009.5	SE	0.4	51.0	0.0	844.3
13:00	99.32	0.52	5.90	7.07	17.69	0.66	0.05	0.16	0.20	23.4	1009.5	SSW	0.4	50.0	0.0	774.1
14:00	100.27	0.55	6.19	7.42	17.73	0.55	0.08	0.20	0.27	23.6	1009.2	S	0.9	49.0	0.0	857.0
15:00	100.59	0.56	7.23	8.58	22.02	0.63	0.07	0.17	0.19	23.9	1008.6	S	2.2	44.0	0.0	403.3
16:00	92.66	0.52	6.48	7.71	25.54	0.71	0.08	0.13	0.21	23.6	1008.2	S	2.2	43.0	0.0	46.2
17:00	95.35	0.51	5.32	6.42	28.92	0.63	0.02	0.12	0.11	23.4	1007.8	S	2.2	43.0	0.0	39.8
18:00	95.87	0.23	4.86	5.61	28.75	0.67	0.02	0.09	0.09	22.9	1007.2	SW	0.9	49.0	0.0	36.6
19:00	76.84	0.34	4.91	5.78	10.92	0.67	0.02	0.02	0.16	20.9	1007.8	S	1.3	56.0	0.0	62.7
20:00	67.43	0.38	7.00	8.13	9.30	0.74	0.03	0.02	0.26	20.6	1008.0	S	0.9	58.0	0.0	12.7
21:00	53.74	0.58	8.87	10.41	12.05	0.75	0.07	0.02	0.28	18.2	1007.9	S	1.3	70.0	0.0	0.0
22:00	52.88	0.55	7.99	9.41	23.48	0.74	0.07	0.03	0.29	16.4	1008.4	S	1.3	76.0	0.0	0.0
23:00	49.25	0.36	7.71	8.89	28.65	0.72	0.04	0.07	0.17	15.3	1008.9	n.p.	calma	80.0	0.0	0.0
00:00	44.25	0.35	4.67	5.53	29.52	0.75	0.01	0.09	0.03	14.4	1009.1	n.p.	calma	81.0	0.0	0.0
Mean	73.64	0.45	6.42	7.57	18.16	0.66	0.04	0.08	0.16	17.7	1008.58		1.2	67.8	0.0	215.0
Min	36.84	0.23	4.32	5.33	7.70	0.52	0.00	0.01	0.01	11.2	1007.20		0.4	43.0	0.0	0.0
Max	100.59	0.61	8.87	10.41	29.52	0.76	0.08	0.20	0.32	23.9	1009.50		2.2	87.0	0.0	857.0

<b>PTS</b>
µg/m³
15.7

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	0.00326
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 25 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	38.91	0.41	3.84	4.31	28.89	0.75	0.01	0.10	0.05	14.6	1009.0	NNW	0.4	84.0	0.0	0.0
02:00	40.81	0.39	5.31	5.78	28.25	0.68	0.00	0.10	0.07	13.6	1009.0	W	0.4	86.0	0.0	0.0
03:00	41.24	0.33	5.53	5.94	14.16	0.64	0.00	0.18	0.08	12.8	1009.2	NE	0.4	87.0	0.0	0.0
04:00	55.54	0.28	6.11	6.48	7.73	0.62	0.01	0.08	0.05	12.2	1009.1	NE	0.9	88.0	0.0	0.0
05:00	60.57	0.33	5.87	6.28	20.01	0.62	0.02	0.03	0.09	11.8	1009.0	NE	0.4	89.0	0.0	0.0
06:00	61.41	0.38	5.96	6.43	27.15	0.63	0.01	0.02	0.13	11.5	1008.9	NNE	0.4	89.0	0.0	3.6
07:00	75.41	0.41	6.24	6.74	20.49	0.65	0.03	0.06	0.15	11.3	1009.1	NE	0.4	89.0	0.0	27.8
08:00	75.76	0.41	7.77	8.29	19.34	0.53	0.07	0.11	0.30	12.9	1009.7	NE	0.4	87.0	0.0	183.9
09:00	79.95	0.43	7.74	8.28	11.06	0.52	0.09	0.15	0.21	13.1	1009.9	NE	1.3	78.0	0.0	449.7
10:00	85.94	0.45	7.13	7.68	8.46	0.58	0.04	0.15	0.19	13.7	1010.4	ENE	1.3	63.0	0.0	617.4
11:00	87.30	0.40	6.08	6.57	8.62	0.59	0.02	0.19	0.12	14.5	1010.2	NE	0.9	55.0	0.0	757.1
12:00	92.14	0.35	5.01	5.43	10.53	0.61	0.02	0.20	0.11	15.6	1010.6	S	1.3	43.0	0.0	834.4
13:00	92.33	0.36	5.09	5.52	10.94	0.64	0.03	0.19	0.20	16.3	1010.7	SW	0.4	41.0	0.0	802.5
14:00	95.72	0.42	6.98	7.50	14.60	0.63	0.05	0.18	0.26	18.4	1010.7	S	1.3	41.0	0.0	879.9
15:00	101.24	0.45	8.54	9.11	17.37	0.68	0.09	0.13	0.28	17.5	1010.2	S	0.9	42.0	0.0	395.9
16:00	101.94	0.44	6.83	7.37	17.43	0.63	0.07	0.07	0.14	17.5	1009.4	S	0.4	39.0	0.0	37.8
17:00	95.63	0.40	5.01	5.48	26.73	0.65	0.01	0.06	0.09	17.4	1008.9	S	0.4	41.0	0.0	30.1
18:00	95.29	0.22	3.60	3.87	28.50	0.66	0.03	0.05	0.11	17.2	1008.9	S	1.8	42.0	0.0	26.5
19:00	86.05	0.25	4.96	5.28	27.52	0.68	0.04	0.09	0.15	16.9	1009.1	S	1.3	46.0	0.0	47.8
20:00	77.58	0.38	5.63	6.09	11.21	0.63	0.04	0.11	0.19	16.9	1009.3	n.p.	calma	50.0	0.0	21.7
21:00	64.36	0.43	6.15	6.67	16.80	0.67	0.07	0.08	0.28	16.4	1009.3	n.p.	calma	57.0	0.0	0.0
22:00	50.50	0.43	5.36	5.87	18.23	0.65	0.09	0.06	0.29	15.5	1009.8	E	0.4	60.0	0.0	0.0
23:00	49.80	0.40	4.89	5.36	25.34	0.78	0.01	0.08	0.11	15.2	1010.4	n.p.	calma	67.0	0.0	0.0
00:00	47.83	0.27	4.02	4.35	30.02	0.79	0.01	0.09	0.09	14.4	1010.8	n.p.	calma	69.0	0.0	0.0

Mean	73.05	0.38	5.82	6.28	18.72	0.65	0.04	0.11	0.16	14.9	1009.65		0.8	63.9	0.0	213.2
Min	38.91	0.22	3.60	3.87	7.73	0.52	0.00	0.02	0.05	11.3	1008.90		0.4	39.0	0.0	0.0
Max	101.94	0.45	8.54	9.11	30.02	0.79	0.09	0.20	0.30	18.4	1010.80		1.8	89.0	0.0	879.9

<b>PTS</b> µg/m³
6.6

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	0.00217
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 26 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	44.11	0.38	4.23	5.08	29.89	0.86	0.02	0.05	0.06	14.6	1010.9	NW	2.7	68.0	0.0	0.0
02:00	41.82	0.48	5.12	6.17	23.01	0.75	0.01	0.03	0.06	13.6	1010.7	NE	0.9	72.0	0.0	0.0
03:00	39.68	0.50	5.32	6.41	18.96	0.66	0.01	0.01	0.09	12.8	1010.6	WNW	1.3	76.0	0.0	0.0
04:00	40.63	0.51	5.07	6.15	10.42	0.63	0.00	0.00	0.08	12.7	1010.4	WNW	2.2	75.0	0.0	0.0
05:00	44.33	0.53	4.31	5.33	15.89	0.54	0.01	0.08	0.08	14.6	1010.0	WNW	1.8	76.0	0.0	0.0
06:00	49.67	0.57	4.27	5.33	22.55	0.52	0.02	0.09	0.15	15.3	1009.5	NW	2.7	74.0	0.0	3.8
07:00	62.18	0.65	6.12	7.46	21.65	0.55	0.04	0.12	0.27	17.1	1009.6	WNW	1.8	74.0	0.0	28.8
08:00	64.39	0.66	7.01	8.45	20.73	0.63	0.06	0.15	0.31	18.7	1009.5	WNW	1.8	73.0	0.0	189.6
09:00	74.64	0.65	5.32	6.58	20.71	0.64	0.10	0.13	0.29	19.3	1010.0	NE	1.3	66.0	0.0	452.7
10:00	79.70	0.48	5.02	6.06	17.74	0.66	0.05	0.15	0.21	21.1	1010.3	N	2.2	63.0	0.0	624.1
11:00	80.63	0.43	4.51	5.44	14.91	0.62	0.02	0.16	0.09	22.2	1009.9	WNW	2.2	58.0	0.0	764.0
12:00	84.00	0.36	4.89	5.78	13.79	0.65	0.01	0.12	0.11	22.9	1010.2	WNW	1.8	59.0	0.0	863.3
13:00	94.37	0.47	4.91	5.93	10.01	0.68	0.02	0.12	0.10	23.1	1010.1	NE	2.7	54.0	0.0	785.7
14:00	94.56	0.59	6.00	7.26	8.41	0.64	0.05	0.19	0.26	24.3	1009.7	ENE	1.3	55.0	0.0	852.9
15:00	95.54	0.61	7.47	8.90	13.89	0.66	0.06	0.22	0.22	23.8	1008.8	ENE	1.3	60.0	0.0	397.6
16:00	87.51	0.45	8.15	9.47	25.71	0.63	0.08	0.20	0.15	21.6	1008.0	NE	6.7	49.0	0.0	60.1
17:00	82.57	0.37	7.39	8.55	32.37	0.64	0.04	0.16	0.11	20.7	1008.2	NE	5.4	48.0	0.0	60.8
18:00	60.83	0.34	5.44	6.37	32.75	0.66	0.00	0.10	0.09	18.3	1008.1	NE	6.3	48.0	0.0	50.3
19:00	57.59	0.42	4.88	5.84	29.87	0.65	0.02	0.09	0.08	17.7	1008.3	NE	5.4	50.0	0.0	70.9
20:00	57.04	0.51	6.59	7.82	14.44	0.67	0.01	0.11	0.28	17.6	1008.7	NE	1.3	52.0	0.0	22.3
21:00	56.09	0.55	6.33	7.58	12.62	0.67	0.08	0.08	0.31	16.5	1009.2	NW	0.9	61.0	0.0	0.0
22:00	49.67	0.40	5.11	6.07	22.80	0.64	0.05	0.07	0.26	16.4	1009.3	NE	2.7	64.0	0.0	0.0
23:00	42.94	0.37	4.19	5.02	28.72	0.63	0.01	0.06	0.05	13.3	1009.2	W	2.2	69.0	0.0	0.0
00:00	41.95	0.30	4.12	4.87	29.62	0.66	0.01	0.05	0.03	13.0	1009.6	WNW	3.1	67.0	0.0	0.0

Mean	63.60	0.48	5.49	6.58	20.48	0.65	0.03	0.11	0.16	18.0	1009.53		2.6	63.0	0.0	217.8
Min	39.68	0.30	4.12	4.87	8.41	0.52	0.00	0.00	0.03	12.7	1008.00		0.9	48.0	0.0	0.0
Max	95.54	0.66	8.15	9.47	32.75	0.86	0.10	0.22	0.31	24.3	1010.90		6.7	76.0	0.0	863.3

<b>PTS</b>
µg/m³
5.1

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	0.00264
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 27 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	41.47	0.34	4.50	5.33	10.46	0.63	0.00	0.03	0.03	13.3	1009.4	NW	1.5	69.0	0.0	0.0
02:00	34.27	0.40	5.30	6.28	8.56	0.66	0.01	0.01	0.03	13.9	1009.1	WNW	2.2	68.0	0.0	0.0
03:00	43.30	0.47	5.52	6.60	7.08	0.66	0.00	0.06	0.04	14.4	1008.9	WNW	1.8	66.0	0.0	0.0
04:00	46.91	0.48	6.11	7.26	5.35	0.67	0.01	0.11	0.04	16.6	1008.4	W	0.7	66.0	0.0	0.0
05:00	53.10	0.49	7.80	9.14	4.82	0.65	0.04	0.09	0.06	17.0	1007.9	NW	1.4	67.0	0.0	0.0
06:00	53.83	0.50	8.44	9.85	9.30	0.78	0.03	0.04	0.03	19.5	1007.9	WNW	1.0	65.0	0.0	3.9
07:00	67.73	0.60	8.54	10.07	10.46	0.73	0.05	0.01	0.17	19.8	1008.2	NW	0.9	66.0	0.0	44.0
08:00	72.44	0.61	8.25	9.76	4.47	0.87	0.08	0.09	0.24	20.3	1008.4	WNW	1.5	68.0	0.0	141.0
09:00	73.16	0.59	7.13	8.51	3.86	0.77	0.06	0.10	0.32	21.3	1008.5	N	1.7	68.0	0.0	348.3
10:00	73.65	0.49	5.67	6.79	3.12	0.65	0.02	0.15	0.19	22.1	1008.9	NE	1.2	66.0	0.0	601.4
11:00	85.30	0.37	4.88	5.79	2.81	0.62	0.03	0.15	0.08	23.6	1009.2	WNW	0.8	65.0	0.0	747.4
12:00	89.75	0.40	5.89	6.93	3.07	0.64	0.02	0.16	0.08	24.7	1009.3	WNW	1.0	61.0	0.0	842.8
13:00	92.23	0.41	7.57	8.80	3.21	0.63	0.06	0.14	0.19	25.3	1009.1	WNW	2.1	61.0	0.0	795.4
14:00	96.59	0.57	8.16	9.62	4.89	0.66	0.08	0.19	0.31	25.8	1008.6	WNW	1.8	53.0	0.0	869.4
15:00	98.93	0.68	6.48	7.89	5.25	0.63	0.07	0.18	0.30	25.0	1008.7	ENE	1.4	63.0	0.0	419.5
16:00	89.33	0.62	7.78	9.26	7.40	0.66	0.04	0.15	0.24	23.3	1008.0	W	2.0	54.0	0.0	130.6
17:00	89.03	0.45	5.77	6.86	11.23	0.65	0.05	0.08	0.17	22.1	1007.6	NE	1.8	45.0	0.0	124.5
18:00	86.74	0.43	4.96	5.94	12.49	0.65	0.02	0.06	0.12	17.5	1007.4	NE	1.4	41.0	0.0	63.5
19:00	81.26	0.43	4.81	5.78	8.29	0.64	0.01	0.10	0.09	16.1	1007.9	ENE	1.2	44.0	0.0	51.3
20:00	76.01	0.49	5.56	6.67	7.99	0.66	0.03	0.17	0.18	16.1	1007.8	SW	0.9	63.0	0.0	16.7
21:00	73.86	0.52	5.97	7.15	5.39	0.69	0.05	0.21	0.27	15.9	1007.9	W	1.3	66.0	0.0	0.0
22:00	65.04	0.47	5.74	6.84	6.98	0.71	0.03	0.18	0.24	15.5	1008.2	WNW	1.5	71.0	0.0	0.0
23:00	52.14	0.40	5.63	6.65	13.21	0.66	0.02	0.14	0.12	14.3	1008.7	WNW	2.1	75.0	0.0	0.0
00:00	42.29	0.39	4.72	5.63	9.30	0.63	0.01	0.06	0.08	13.3	1008.5	WNW	1.8	74.0	0.0	0.0

Mean	69.93	0.48	6.30	7.48	7.04	0.68	0.03	0.11	0.15	19.0	1008.44		1.5	62.7	0.0	216.7
Min	34.27	0.34	4.50	5.33	2.81	0.62	0.00	0.01	0.03	13.3	1007.40		0.7	41.0	0.0	0.0
Max	98.93	0.68	8.54	10.07	13.21	0.87	0.08	0.21	0.32	25.8	1009.40		2.2	75.0	0.0	869.4

<b>PTS</b>
µg/m³
4.9

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 28 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	35.69	0.42	5.04	6.01	14.97	0.65	0.01	0.04	0.07	13.6	1008.5	WNW	1.6	74.0	0.0	0.0
02:00	33.15	0.49	5.56	6.66	13.85	0.66	0.01	0.03	0.06	14.1	1008.0	WNW	1.3	71.0	0.0	0.0
03:00	33.25	0.53	7.00	8.29	12.76	0.65	0.01	0.03	0.07	14.5	1007.7	NW	2.7	72.0	0.0	0.0
04:00	33.97	0.61	7.58	9.02	11.49	0.64	0.00	0.02	0.06	15.8	1007.3	NW	3.1	73.0	0.0	0.0
05:00	35.82	0.63	8.05	9.56	15.97	0.63	0.02	0.03	0.05	15.9	1007.1	W	1.8	73.0	0.1	0.0
06:00	50.28	0.68	8.21	9.79	22.50	0.66	0.03	0.03	0.09	16.2	1007.2	WNW	2.2	73.0	0.1	8.0
07:00	61.41	0.72	9.03	10.74	19.50	0.68	0.06	0.09	0.16	17.0	1007.2	WNW	2.7	73.0	0.1	49.0
08:00	66.65	0.67	9.35	11.04	13.47	0.62	0.08	0.18	0.32	18.4	1007.4	WNW	2.2	69.0	0.0	40.3
09:00	72.56	0.57	8.01	9.45	8.36	0.65	0.05	0.20	0.03	20.8	1007.6	W	1.8	63.0	0.0	92.9
10:00	72.81	0.45	7.20	8.43	7.04	0.67	0.07	0.17	0.28	21.2	1007.6	N	2.2	57.0	0.0	420.0
11:00	73.05	0.44	6.10	7.20	7.91	0.64	0.02	0.10	0.12	21.5	1007.3	NE	2.2	53.0	0.0	377.1
12:00	75.58	0.43	4.58	5.52	7.87	0.63	0.03	0.07	0.11	22.7	1007.5	W	1.8	50.0	0.0	363.0
13:00	84.45	0.49	6.63	7.84	8.61	0.68	0.03	0.18	0.21	23.4	1007.1	NE	2.2	47.0	0.0	310.0
14:00	91.45	0.70	7.64	9.19	8.46	0.67	0.08	0.21	0.32	24.8	1006.5	NE	2.7	48.0	0.0	398.2
15:00	97.40	0.74	8.94	10.66	9.98	0.65	0.05	0.2	0.26	24.4	1005.8	NE	3.1	47.0	0.0	419.1
16:00	89.57	0.72	8.76	10.44	10.09	0.65	0.04	0.15	0.22	25.6	1005.5	NE	4.0	46.0	0.0	159.2
17:00	79.45	0.47	8.60	9.99	25.18	0.53	0.01	0.08	0.13	25.2	1005.2	ENE	2.7	45.0	0.0	91.2
18:00	68.36	0.44	5.61	6.66	25.55	0.43	0.02	0.07	0.11	22.7	1005.5	W	1.3	56.0	0.0	53.4
19:00	57.20	0.39	5.86	6.88	25.03	0.53	0.01	0.01	0.09	22.5	1005.6	WNW	1.3	55.0	0.0	69.4
20:00	53.28	0.64	6.47	7.83	22.42	0.53	0.03	0.14	0.19	18.4	1006.5	NE	2.2	65.0	0.0	28.3
21:00	52.33	0.73	8.59	10.27	19.36	0.45	0.06	0.19	0.28	17.7	1006.4	WNW	3.1	66.0	0.0	0.0
22:00	43.28	0.62	7.60	9.05	17.63	0.66	0.06	0.16	0.30	16.2	1006.7	WNW	2.2	74.0	0.0	0.0
23:00	37.70	0.55	7.56	8.93	23.76	0.52	0.02	0.13	0.05	15.1	1007.2	WNW	2.2	77.0	0.0	0.0
00:00	33.81	0.49	6.70	7.92	32.94	0.54	0.01	0.08	0.06	14.5	1006.7	WNW	2.7	78.0	0.0	0.0

Mean	59.69	0.57	7.28	8.64	16.03	0.61	0.03	0.11	0.15	19.3	1006.88		2.3	62.7	0.0	120.0
Min	33.15	0.39	4.58	5.52	7.04	0.43	0.00	0.01	0.03	13.6	1005.20		1.3	45.0	0.0	0.0
Max	97.40	0.74	9.35	11.04	32.94	0.68	0.08	0.21	0.32	25.6	1008.50		4.0	78.0	0.1	420.0

<b>PTS</b> µg/m³
6.4

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 29 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	31.60	0.45	7.69	8.98	31.37	0.55	0.00	0.05	0.05	14.0	1006.6	WNW	1.8	78.0	0.0	0.0
02:00	35.54	0.42	7.44	8.67	26.51	0.66	0.01	0.03	0.06	14.5	1006.8	W	1.3	79.0	0.0	0.0
03:00	44.18	0.48	5.76	6.88	16.42	0.45	0.03	0.02	0.05	14.5	1006.8	WNW	0.9	80.0	0.0	0.0
04:00	46.86	0.53	5.47	6.62	17.09	0.53	0.03	0.03	0.09	15.0	1006.5	ENE	0.9	83.0	0.0	0.0
05:00	60.17	0.61	5.79	7.06	19.48	0.56	0.02	0.04	0.09	15.1	1006.4	W	1.3	82.0	0.0	0.0
06:00	60.33	0.71	7.14	8.66	37.24	0.67	0.05	0.04	0.11	15.2	1006.0	WNW	1.3	83.0	0.0	4.8
07:00	61.54	0.62	7.27	8.70	17.93	0.76	0.06	0.11	0.15	15.5	1006.0	WNW	1.3	82.0	0.0	30.1
08:00	69.31	0.73	7.99	9.62	24.16	0.78	0.08	0.12	0.32	15.9	1006.5	WNW	1.3	79.0	0.0	197.5
09:00	71.01	0.64	7.87	9.39	15.47	0.69	0.09	0.15	0.31	20.0	1006.8	WNW	3.1	70.0	0.0	451.7
10:00	74.38	0.60	7.84	9.31	9.57	0.65	0.05	0.18	0.29	21.7	1006.8	ENE	1.8	57.0	0.0	614.7
11:00	74.44	0.49	7.19	8.47	15.31	0.57	0.05	0.11	0.18	22.1	1006.8	NE	1.3	50.0	0.0	746.2
12:00	81.05	0.58	5.64	6.86	15.98	0.51	0.00	0.13	0.15	23.3	1006.8	NE	1.3	45.0	0.0	839.7
13:00	87.63	0.63	6.09	7.41	16.35	0.48	0.04	0.18	0.12	23.9	1006.6	NE	1.8	40.0	0.0	785.1
14:00	85.43	0.71	7.79	9.38	17.62	0.55	0.09	0.20	0.28	24.2	1006.2	W	1.3	37.0	0.0	858.9
15:00	84.21	0.66	8.34	9.93	17.71	0.62	0.09	0.17	0.32	24.1	1005.9	n.p.	calma	39.0	0.0	368.5
16:00	80.59	0.65	7.21	8.67	31.10	0.65	0.07	0.15	0.35	23.6	1005.5	S	2.2	46.0	0.0	46.9
17:00	85.53	0.57	5.87	7.10	31.43	0.64	0.05	0.11	0.26	21.0	1005.4	WSW	1.3	48.0	0.0	36.7
18:00	88.90	0.50	5.56	6.69	35.13	0.67	0.01	0.08	0.14	20.4	1005.9	NE	2.2	63.0	0.0	31.1
19:00	82.34	0.43	6.34	7.47	29.11	0.76	0.03	0.13	0.16	20.3	1005.7	NE	1.3	71.0	0.0	41.8
20:00	75.25	0.45	6.85	8.05	46.82	0.74	0.06	0.11	0.35	19.8	1006.0	WNW	0.9	62.0	0.0	23.7
21:00	65.12	0.53	6.22	7.45	46.89	0.75	0.09	0.16	0.41	19.1	1006.4	WNW	0.9	72.0	0.0	0.0
22:00	53.46	0.52	5.94	7.13	38.33	0.79	0.08	0.15	0.30	15.9	1007.0	WNW	1.3	74.0	0.0	0.0
23:00	43.25	0.45	5.69	6.77	39.71	0.73	0.01	0.10	0.32	15.8	1008.4	WSW	1.3	77.0	0.0	0.0
00:00	41.69	0.48	5.59	6.70	43.13	0.61	0.01	0.05	0.12	14.3	1008.2	WNW	1.3	79.0	0.0	0.0

Mean	65.99	0.56	6.69	8.00	26.66	0.64	0.05	0.11	0.21	18.7	1006.50		1.5	65.7	0.0	211.6
Min	31.60	0.42	5.47	6.62	9.57	0.45	0.00	0.02	0.05	14.0	1005.40		0.9	37.0	0.0	0.0
Max	88.90	0.73	8.34	9.93	46.89	0.79	0.09	0.20	0.41	24.2	1008.40		3.1	83.0	0.0	858.9

<b>PTS</b> µg/m³
8

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 30 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	40.25	0.46	6.74	7.95	36.90	0.55	0.00	0.03	0.09	14.1	1007.4	W	0.4	87.0	0.0	0.0
02:00	29.16	0.51	6.86	8.13	19.91	0.48	0.02	0.02	0.07	13.8	1007.6	WNW	1.3	85.0	0.0	0.0
03:00	40.63	0.56	7.46	8.85	36.62	0.44	0.03	0.02	0.15	13.2	1007.5	WNW	0.9	87.0	0.0	0.0
04:00	45.30	0.60	7.90	9.38	23.68	0.55	0.08	0.03	0.18	14.1	1007.3	WNW	0.9	86.0	0.0	0.0
05:00	50.99	0.86	8.69	10.54	22.40	0.54	0.04	0.13	0.28	14.7	1007.5	ENE	0.9	87.0	0.0	0.0
06:00	12.94	0.88	9.56	11.52	19.94	0.65	0.07	0.16	0.37	15.7	1007.5	SW	0.4	90.0	0.0	5.2
07:00	27.02	0.90	8.92	10.84	19.50	0.68	0.24	0.17	0.57	18.3	1007.9	E	0.4	89.0	0.0	32.5
08:00	36.96	0.95	8.18	10.08	24.88	0.66	0.17	0.20	0.80	18.8	1008.4	NW	0.4	88.0	0.0	185.3
09:00	44.02	0.81	8.15	9.89	15.48	0.59	0.08	0.25	0.43	19.4	1008.6	WNW	0.4	75.0	0.0	433.7
10:00	51.26	0.71	6.32	7.76	13.29	0.54	0.14	0.22	0.27	19.6	1008.6	WNW	1.3	63.0	0.0	591.9
11:00	63.77	0.46	6.27	7.43	5.49	0.51	0.18	0.16	0.32	19.9	1008.8	NNE	0.9	57.0	0.0	709.2
12:00	70.24	0.59	6.31	7.61	6.78	0.57	0.17	0.13	0.25	20.2	1008.8	S	0.4	54.0	0.0	820.6
13:00	72.32	0.83	7.17	8.83	9.25	0.63	0.06	0.05	0.29	23.0	1008.4	WSW	0.9	49.0	0.0	771.0
14:00	71.84	1.05	7.50	9.44	22.99	0.71	0.13	0.06	0.22	23.5	1007.6	S	1.8	48.0	0.0	846.7
15:00	69.04	0.92	9.65	11.66	18.81	0.65	0.12	0.08	0.24	22.8	1007.1	S	2.2	52.0	0.0	401.0
16:00	66.08	0.65	9.01	10.66	7.93	0.65	0.01	0.10	0.09	22.3	1007.3	SSW	1.3	52.0	0.0	123.9
17:00	61.00	0.46	8.50	9.89	15.88	0.63	0.05	0.11	0.06	21.2	1007.6	NE	1.3	64.0	0.0	49.0
18:00	61.85	0.44	5.67	6.74	21.11	0.66	0.06	0.15	0.20	20.3	1008.1	NE	1.8	72.0	0.0	44.4
19:00	54.12	0.58	6.11	7.38	34.50	0.78	0.01	0.19	0.17	17.4	1007.8	WNW	1.3	67.0	0.0	41.1
20:00	52.30	0.68	6.95	8.42	29.94	0.77	0.04	0.14	0.14	15.8	1008.2	W	0.9	67.0	0.0	12.5
21:00	44.10	0.71	8.89	10.59	24.85	0.75	0.04	0.08	0.10	15.7	1008.8	WNW	0.9	69.0	0.0	0.0
22:00	35.94	0.83	8.47	10.26	26.56	0.73	0.06	0.06	0.14	14.8	1009.0	WNW	0.4	72.0	0.0	0.0
23:00	21.54	0.74	8.31	9.99	29.76	0.77	0.12	0.03	0.27	14.3	1009.3	WNW	0.9	81.0	0.0	0.0
00:00	18.16	0.59	7.10	8.49	29.00	0.68	0.10	0.01	0.34	13.7	1009.4	NE	0.9	82.0	0.0	0.0

Mean	47.53	0.70	7.70	9.26	21.48	0.63	0.08	0.11	0.25	17.8	1008.10		1.0	71.8	0.0	211.2
Min	12.94	0.44	5.67	6.74	5.49	0.44	0.00	0.01	0.06	13.2	1007.10		0.4	48.0	0.0	0.0
Max	72.32	1.05	9.65	11.66	36.90	0.78	0.24	0.25	0.80	23.5	1009.40		2.2	90.0	0.0	846.7

<b>PTS</b> µg/m³
4.8

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi





**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 31 maggio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	13.12	0.56	7.05	8.40	25.86	0.63	0.07	0.03	0.58	13.5	1009.2	NW	0.9	82.0	0.0	0.0
02:00	35.46	0.62	7.22	8.65	18.61	0.59	0.02	0.08	0.34	13.2	1009.3	NW	0.9	83.0	0.0	0.0
03:00	32.82	0.69	7.32	8.84	19.47	0.55	0.05	0.05	0.45	13.9	1009.2	WNW	0.9	84.0	0.0	0.0
04:00	36.55	0.72	7.47	9.04	21.63	0.48	0.08	0.06	0.40	14.3	1009.1	W	1.3	84.0	0.0	0.0
05:00	23.29	0.72	7.72	9.31	21.07	0.51	0.10	0.08	0.51	14.8	1009.2	W	1.3	85.0	0.0	0.0
06:00	15.66	0.77	7.80	9.45	31.53	0.53	0.11	0.09	0.29	15.2	1009.1	NE	1.3	85.0	0.0	8.1
07:00	32.83	0.79	7.81	9.49	17.06	0.65	0.12	0.12	0.40	15.8	1009.2	NE	0.4	86.0	0.0	49.4
08:00	42.09	0.77	8.01	9.69	16.56	0.66	0.13	0.03	0.35	16.9	1009.7	NW	1.3	82.0	0.0	184.5
09:00	53.73	0.75	8.10	9.76	14.43	0.64	0.14	0.07	0.22	17.1	1010.1	NNE	0.9	77.0	0.0	428.6
10:00	69.09	0.62	7.52	8.98	12.13	0.60	0.07	0.13	0.29	18.7	1010.2	WNW	1.3	72.0	0.0	597.8
11:00	63.78	0.53	6.88	8.17	9.27	0.58	0.06	0.14	0.25	19.2	1010.2	ESE	0.4	65.0	0.0	729.5
12:00	69.86	0.55	6.27	7.52	11.29	0.56	0.11	0.14	0.19	19.6	1010.3	S	0.9	63.0	0.0	823.2
13:00	67.75	0.67	7.57	9.09	13.19	0.55	0.04	0.15	0.20	20.3	1009.9	SSW	0.9	60.0	0.0	793.9
14:00	67.81	0.74	7.90	9.53	15.62	0.47	0.06	0.26	0.13	21.8	1009.4	S	2.7	56.0	0.0	628.0
15:00	70.28	0.59	7.89	9.36	17.40	0.44	0.04	0.14	0.17	21.1	1008.4	S	1.8	50.0	0.0	482.0
16:00	69.14	0.59	7.65	9.09	19.22	0.51	0.05	0.11	0.13	20.3	1008.7	S	2.7	49.0	0.0	120.0
17:00	67.99	0.58	6.51	7.82	20.00	0.56	0.04	0.02	0.17	19.1	1008.3	S	2.7	48.0	0.0	66.9
18:00	73.06	0.57	5.22	6.39	33.03	0.64	0.04	0.04	0.07	18.3	1008.2	S	2.2	52.0	0.0	86.9
19:00	73.49	0.64	5.25	6.50	35.64	0.66	0.03	0.09	0.12	16.9	1008.7	S	2.2	55.0	0.0	64.1
20:00	77.31	0.65	5.72	7.03	22.25	0.65	0.02	0.10	0.17	16.1	1009.2	S	1.3	62.0	0.0	24.2
21:00	74.92	0.51	6.45	7.68	20.64	0.67	0.10	0.07	0.16	15.8	1009.2	n.p.	calma	71.0	0.0	0.0
22:00	69.65	0.63	5.98	7.29	31.54	0.68	0.08	0.03	0.08	15.5	1009.7	WNW	1.8	74.0	0.0	0.0
23:00	49.38	0.56	5.70	6.91	29.49	0.73	0.07	0.14	0.16	15.1	1010.2	WNW	0.9	76.0	0.0	0.0
00:00	46.28	0.45	5.22	6.26	38.86	0.76	0.05	0.13	0.21	14.7	1009.9	WNW	0.9	78.0	0.0	0.0
Mean	53.97	0.64	6.93	8.34	21.49	0.60	0.07	0.10	0.25	17.0	1009.36		1.4	70.0	0.0	212.0
Min	13.12	0.45	5.22	6.26	9.27	0.44	0.02	0.02	0.07	13.2	1008.20		0.4	48.0	0.0	0.0
Max	77.31	0.79	8.10	9.76	38.86	0.76	0.14	0.26	0.58	21.8	1010.30		2.7	86.0	0.0	823.2

<b>PTS</b>
µg/m³
8.1

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.0907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.0181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	< 0.00907
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

RAPPORTO DI PROVA N 23LA21342		DEL 30/06/2023	
<b>COMMITTENTE:</b>	EMPEDOCLE 2 s.c.p.a.		
<b>INDIRIZZO COMMITTENTE:</b>	C.da Bigini Km.57+700 93100 CALTANISSETTA (CL)		
<b>PARTITA IVA E/O COD. FISCALE:</b>	IT02379310390		
<b>UBICAZIONE CAMPIONAMENTO:</b>	C.DA IMERA		
<b>PUNTO DI CAMPIONAMENTO:</b>	ATM_20		
<b>DESCRIZIONE CAMPIONE:</b>	RADIELLO		
<b>CAMPIONAMENTO A CURA DI:</b>	TECNICI DEL LABORATORIO NATURA SRL		
<b>NOME E COGNOME CAMPIONATORE:</b>	Claudio Girgenti		
<b>N° VERBALE DI CAMPIONAMENTO:</b>	20230517CG1800		
<b>DATA INIZIO CAMPIONAMENTO:</b> 18/05/2023	<b>ORA INIZIO CAMPIONAMENTO:</b> 00.01		
<b>DATA FINE CAMPIONAMENTO:</b> 31/05/2023	<b>ORA FINE CAMPIONAMENTO:</b> 23.59		
<b>DATA RICEZIONE CAMPIONE:</b> 06/06/2023			
<b>DATA ACCETTAZIONE CAMPIONE:</b> 06/06/2023	<b>ORA ACCETTAZIONE CAMPIONE:</b> 15.00		
<b>N° ACCETTAZIONE CAMPIONE:</b> 23LA21342			
<b>DATA INIZIO PROVE:</b> 06/06/2023	<b>DATA FINE PROVE:</b> 30/06/2023		

Parametro	U.M.	Risultato	Incertezza
Metodo			

#### IDROCARBURI E RELATIVE FRAZIONI

IDROCARBURI RADIELLO + EPA 8015D 2003	µg/m§	39,3	±	12
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#### COMPOSTI ORGANICI AROMATICI

BENZENE RADIELLO + EPA 8015D 2003	µg/m§	< 0,012		
TOLUENE RADIELLO + EPA 8015D 2003	µg/m§	0,0550	±	0,017
XILENE RADIELLO + EPA 8015D 2003	µg/m§	0,365	±	0,13

#### Legenda:

U.M. = unità di misura

Cat.III = prova eseguita in campo

nd = non determinabile

NR = non rilevato

\* = prova non accreditata ACCREDIA

# = prova in subappalto

\$ = prova fornita dal cliente per la quale il laboratorio declina ogni responsabilità

► Parametro NON CONFORME

#### Informazioni fornite dal cliente per le quali il laboratorio declina ogni eventuale responsabilità:

PUNTO DI CAMPIONAMENTO, DESCRIZIONE CAMPIONE.

Il recupero dei singoli analiti è compreso tra l' 80% ed il 120%. Non si utilizza alcun fattore di correzione nel calcolo della concentrazione. Per le singole diossine, il recupero varia dal 63% al 170%.

Il criterio di valutazione utilizzato per l'espressione del giudizio di conformità è eseguito in conformità alle Linee Guida SNPA 34/2021 secondo la regola denominata "Accettazione semplice".

Il limite inferiore dei misurandi viene calcolato in funzione di pesate, diluizioni e primo punto retta (LR adjusted).

L'incertezza è espressa nelle unità di misura del parametro a cui si riferiscono. Il fattore di copertura è pari a k=2 con un intervallo di probabilità del 95%

L'incertezza riportata non tiene conto del contributo del campionamento.

### GIUDIZIO DI CONFORMITÀ

NESSUN SUPERAMENTO - **CONFORME** rispetto al limite per i parametri analizzati.

SEGUE RAPPORTO DI PROVA N 23LA21342

DEL 30/06/2023

### GIUDIZIO DI CONFORMITÀ

NESSUN SUPERAMENTO - CONFORME rispetto al limite per i parametri analizzati.

**I risultati del presente rapporto di prova si devono intendere riferiti esclusivamente al campione sottoposto a prova.  
Il presente rapporto di prova non può essere riprodotto parzialmente se non previa approvazione scritta da parte di questo Laboratorio.**

Il Responsabile di Laboratorio  
Dott. Francesco Troisi


– Fine Rapporto di Prova –

**Monitoraggio componente ATMOSFERA**  
**Scheda di rilevazione**

**RILIEVO PLANIMETRICO**

**Codice misura: ATM\_10**



**LOCALIZZAZIONE GEOGRAFICA**

Località: C. Da Bigini Cialagra  
Comune: Caltanissetta  
Provincia: Caltanissetta  
Regione: Sicilia  
Distanza dal tracciato: 90 m

**ANAGRAFICA**

<b>Misura N.</b>	ATM_10	<b>Durata Rilievi</b>	Da:	09/06/2023
			A:	22/06/2023
<b>COORDINATE:</b> 37°28'30.38"N; 14°00'57.37"E			<b>Fase di monitoraggio:</b> CORSO D'OPERA	

**STRUMENTAZIONE DI MISURA**

Laboratorio mobile per il monitoraggio della qualità dell'aria conforme alla normativa D.Lgs 155/2010 Fiat Ducato targa GK 071 HV  
Tecnico rilevatore: geol. Claudio Girgenti

### Monitoraggio componente ATMOSFERA

#### PRINCIPALI SORGENTI INQUINANTI

<input checked="" type="checkbox"/>	Linea ferroviaria	m:240	<input checked="" type="checkbox"/>	SS. 640	m: 90
<input type="checkbox"/>	Industrie	m:	<input type="checkbox"/>	Infrastrutture aeroportuali	m:
<input checked="" type="checkbox"/>	Cantieri	m:200	<input type="checkbox"/>	Fermata mezzi pubblici (autobus)	m:
<input type="checkbox"/>	Parcheggio	m:	<input type="checkbox"/>	Fermata mezzi pubblici (filobus)	m:

#### POSIZIONE DEL PUNTO DI MONITORAGGIO RISPETTO AL RECETTORE

<input type="checkbox"/>	Fronte	m:	<input type="checkbox"/>	Lato sinistro	m: 5
<input checked="" type="checkbox"/>	Lato destro	m:			

#### CARATTERISTICHE DEL TRAFFICO SULLA STRADA PIU' VICINA

<input type="checkbox"/>	Leggero	<input checked="" type="checkbox"/>	Scorrevole
<input type="checkbox"/>	Misto	<input type="checkbox"/>	Pulsante
<input checked="" type="checkbox"/>	Pesante	<input type="checkbox"/>	A blocchi temporanei

#### DOCUMENTAZIONE FOTOGRAFICA



#### Opera (WBS) e tipo di attività eseguita nei pressi della stazione di misura:

057 – SI2.03 – Svincolo Caltanissetta sud – Rampe e rotonda 5, TR.12 Terre armate rampa 3

Per i parametri misurati, si rimanda ai rapporti di prova e alle schede di campo.



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 09 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	21.63	0.97	8.16	9.95	21.80	0.45	0.0	0.00	0.01	14.0	994.1	n.p.	calma	70.5	0.0	0.0
02:00	15.09	0.97	7.09	8.78	22.11	0.43	0.1	0.00	0.04	14.7	993.7	n.p.	calma	74.9	0.0	0.0
03:00	10.19	0.99	6.17	7.78	21.84	0.42	0.0	0.06	0.04	15.8	993.3	n.p.	calma	76.9	0.0	0.0
04:00	6.15	0.97	6.05	7.63	29.04	0.42	0.3	0.05	0.00	16.9	992.8	n.p.	calma	80.1	0.0	0.0
05:00	2.59	0.92	6.19	7.74	22.31	0.42	0.1	0.00	0.00	17.4	992.7	n.p.	calma	82.2	0.0	0.0
06:00	3.74	0.91	8.28	10.03	24.93	0.42	0.0	0.01	0.00	18.5	992.6	n.p.	calma	82.5	0.0	10.8
07:00	3.47	0.90	11.70	13.78	29.83	0.43	0.0	0.06	0.00	19.2	992.5	n.p.	calma	82.3	0.0	96.2
08:00	4.40	0.89	8.91	10.70	28.04	0.44	0.0	0.06	0.03	19.3	992.5	n.p.	calma	76.9	0.0	254.4
09:00	27.45	0.69	6.07	7.37	30.10	0.46	0.1	0.08	0.01	19.5	992.3	n.p.	calma	60.8	0.0	422.1
10:00	37.54	0.94	8.05	9.81	29.18	0.45	0.0	0.00	0.00	21.7	992.0	n.p.	calma	49.4	0.0	586.5
11:00	39.53	0.94	6.75	8.37	30.06	0.45	0.3	0.00	0.02	23.4	992.0	SSE	0.3	40.6	0.0	736.3
12:00	37.51	0.91	7.25	8.90	39.11	0.46	0.0	0.02	0.03	24.0	991.8	SSE	0.5	36.1	0.0	831.4
13:00	38.86	0.91	8.30	10.05	39.44	0.46	0.2	0.05	0.02	25.0	991.4	S	0.9	33.8	0.0	897.4
14:00	39.83	0.91	10.81	12.81	41.23	0.47	0.2	0.03	0.05	27.7	990.9	SSE	0.9	30.7	0.0	788.3
15:00	49.48	0.89	14.35	16.69	42.37	0.51	0.2	0.03	0.02	26.3	990.4	SE	2.4	35.1	0.0	823.4
16:00	54.77	0.89	14.45	16.80	44.39	0.53	0.1	0.04	0.02	25.3	990.1	SE	3.2	41.2	0.0	716.3
17:00	53.78	0.87	13.75	16.01	45.40	0.51	0.0	0.01	0.02	23.5	990.0	SE	2.9	38.5	0.0	562.5
18:00	56.34	0.84	9.15	10.92	43.38	0.49	0.0	0.04	0.00	23.0	990.1	SE	2.3	39.6	0.0	362.0
19:00	59.64	0.84	12.03	14.08	40.80	0.45	0.2	0.03	0.01	22.9	990.0	SSE	1.5	42.3	0.0	165.3
20:00	56.28	0.65	11.46	13.87	35.37	0.44	0.0	0.02	0.00	22.3	990.0	S	0.5	48.0	0.0	56.2
21:00	49.04	0.51	8.21	9.72	27.81	0.46	0.0	0.05	0.00	21.4	990.1	S	0.3	58.4	0.0	4.7
22:00	31.61	0.48	7.35	8.83	22.75	0.47	0.1	0.00	0.00	16.0	990.2	n.p.	calma	64.9	0.0	0.0
23:00	13.73	0.43	6.70	8.13	18.18	0.46	0.3	0.03	0.02	14.6	990.3	n.p.	calma	71.9	0.0	0.0
00:00	7.52	0.38	6.34	7.72	15.86	0.45	0.1	0.00	0.00	14.5	990.3	n.p.	calma	76.1	0.0	0.0

Mean	30.01	0.82	8.90	10.69	31.06	0.46	0.10	0.03	0.01	20.3	991.50		1.4	58.1	0.0	304.7
Min	2.59	0.38	6.05	7.37	15.86	0.42	0.00	0.00	0.00	14.0	989.95		0.3	30.7	0.0	0.0
Max	59.64	0.99	14.45	16.80	45.40	0.53	0.30	0.08	0.05	27.7	994.14		3.2	82.5	0.0	897.4

<b>PTS</b> µg/m³ 23.4
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.358
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 10 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	4.55	0.30	6.03	6.95	15.35	0.40	0.1	0.01	0.00	15.1	988.6	n.p.	calma	85.8	0.0	0.0
02:00	12.70	0.34	6.31	7.29	14.29	0.41	0.2	0.00	0.02	15.6	988.3	n.p.	calma	85.5	0.0	0.0
03:00	18.43	0.37	6.00	6.98	17.12	0.41	0.2	0.00	0.01	15.8	988.0	n.p.	calma	84.1	0.0	0.0
04:00	15.14	0.35	5.77	6.71	23.65	0.43	0.0	0.04	0.05	16.8	988.0	n.p.	calma	84.4	0.0	0.0
05:00	19.53	0.41	5.34	6.29	29.98	0.44	0.4	0.05	0.04	17.5	987.8	n.p.	calma	85.3	0.0	0.0
06:00	20.68	0.47	4.96	5.93	34.28	0.45	0.3	0.04	0.03	18.4	987.8	n.p.	calma	83.0	0.0	8.2
07:00	13.59	0.42	6.88	8.00	31.85	0.45	0.5	0.10	0.01	19.1	987.8	n.p.	calma	83.0	0.0	64.5
08:00	21.17	0.52	5.80	6.91	41.32	0.45	0.2	0.04	0.00	19.8	987.7	n.p.	calma	81.5	0.0	139.4
09:00	30.84	0.57	5.20	6.31	33.65	0.42	0.0	0.01	0.00	21.2	988.0	W	0.4	71.4	0.0	142.7
10:00	36.06	0.56	5.27	6.37	27.21	0.40	0.2	0.07	0.02	22.3	988.0	WNW	0.4	66.7	0.0	203.5
11:00	39.79	0.55	3.95	4.90	45.98	0.40	0.4	0.04	0.01	24.2	988.5	WNW	0.5	73.1	0.0	87.9
12:00	59.21	0.54	5.29	6.37	53.44	0.40	0.0	0.00	0.00	26.5	988.7	NNW	1.6	78.9	0.0	234.6
13:00	61.02	0.56	5.03	6.10	39.59	0.44	0.2	0.03	0.02	27.6	988.6	N	2.4	77.8	0.0	379.1
14:00	60.16	0.53	3.68	4.58	46.74	0.43	0.0	0.05	0.00	29.5	988.2	NNE	2.0	74.6	0.0	320.9
15:00	56.74	0.55	3.34	4.23	51.49	0.42	0.1	0.04	0.05	28.1	987.9	NNE	2.0	68.0	0.0	618.0
16:00	61.15	0.56	3.53	4.45	43.06	0.39	0.3	0.08	0.03	26.4	987.5	NNE	1.4	66.8	0.0	256.1
17:00	58.33	0.46	3.79	4.63	35.10	0.43	0.2	0.00	0.00	25.1	987.2	NNE	0.7	64.9	0.0	301.7
18:00	59.07	0.48	4.02	4.92	45.87	0.44	0.1	0.02	0.01	24.3	986.9	n.p.	calma	61.4	0.0	137.5
19:00	53.89	0.46	4.35	5.25	59.40	0.45	0.1	0.00	0.06	22.2	986.8	n.p.	calma	67.8	0.0	64.6
20:00	41.41	0.44	5.23	6.21	65.52	0.44	0.1	0.02	0.02	20.8	987.2	n.p.	calma	73.1	0.0	12.5
21:00	31.60	0.41	5.05	5.97	58.16	0.44	0.0	0.04	0.00	18.7	987.3	n.p.	calma	76.8	0.0	0.4
22:00	26.09	0.41	5.48	6.44	56.80	0.43	0.3	0.07	0.00	16.3	987.6	n.p.	calma	78.7	0.0	0.0
23:00	26.36	0.34	7.41	8.50	51.79	0.42	0.2	0.03	0.02	15.8	987.7	n.p.	calma	80.9	0.0	0.0
00:00	21.50	0.33	8.46	9.65	51.42	0.39	0.0	0.03	0.02	15.4	987.9	n.p.	calma	82.9	0.0	0.0
Mean	35.38	0.46	5.26	6.25	40.54	0.42	0.17	0.03	0.02	20.9	987.82		1.3	76.5	0.0	123.8
Min	4.55	0.30	3.34	4.23	14.29	0.39	0.00	0.00	0.00	15.1	986.76		0.4	61.4	0.0	0.0
Max	61.15	0.57	8.46	9.65	65.52	0.45	0.50	0.10	0.06	29.5	988.68		2.4	85.8	0.0	618.0

<b>PTS</b>
µg/m³
23

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.363
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 11 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	19.00	0.32	7.85	8.97	56.77	0.36	0.2	0.02	0.00	15.8	987.5	n.p.	calma	84.5	0.0	0.0
02:00	6.50	0.30	6.75	7.73	51.55	0.42	0.0	0.06	0.00	16.3	987.3	n.p.	calma	85.3	0.0	0.0
03:00	7.29	0.19	6.74	7.62	46.10	0.42	0.0	0.00	0.01	16.8	987.2	n.p.	calma	87.6	0.0	0.0
04:00	1.21	0.26	5.86	6.72	39.92	0.43	0.2	0.00	0.05	17.2	986.8	n.p.	calma	87.7	0.0	0.0
05:00	4.25	0.29	4.97	5.76	35.14	0.43	0.2	0.05	0.00	17.6	986.8	n.p.	calma	89.0	0.0	0.0
06:00	3.20	0.24	4.86	5.59	34.85	0.46	0.0	0.00	0.02	18.1	986.7	n.p.	calma	89.6	0.0	5.7
07:00	3.14	0.37	4.60	5.44	38.29	0.47	0.3	0.00	0.00	20.7	986.9	n.p.	calma	90.6	0.0	58.9
08:00	20.27	0.43	3.84	4.67	49.22	0.50	0.1	0.01	0.00	22.4	987.1	WNW	0.3	86.6	0.0	274.4
09:00	33.30	0.47	3.53	4.36	50.91	0.48	0.2	0.00	0.04	23.2	987.4	W	0.3	74.7	0.0	336.3
10:00	39.02	0.49	3.19	4.00	55.62	0.33	0.0	0.06	0.04	23.7	987.1	W	0.4	65.8	0.0	587.3
11:00	42.00	0.57	2.71	3.55	53.37	0.46	0.1	0.06	0.00	24.4	986.8	W	0.7	57.8	0.0	631.3
12:00	48.29	0.57	2.90	3.76	38.53	0.48	0.0	0.05	0.01	24.9	986.6	SW	1.5	50.7	0.0	894.3
13:00	54.45	0.57	3.07	3.95	37.02	0.51	0.0	0.03	0.04	26.2	986.2	N	3.2	51.2	0.0	551.6
14:00	56.02	0.52	3.44	4.30	59.51	0.51	0.3	0.00	0.02	29.7	986.3	NNE	1.6	65.2	0.0	218.2
15:00	40.98	0.45	3.63	4.45	65.85	0.38	0.0	0.05	0.03	28.1	987.1	SE	1.3	84.8	0.0	393.7
16:00	31.23	0.52	4.03	4.96	73.00	0.38	0.4	0.02	0.02	27.6	987.2	SSE	0.3	89.1	0.0	196.0
17:00	27.42	0.17	4.21	4.81	61.07	0.37	0.1	0.00	0.02	27.6	986.9	n.p.	calma	89.8	0.0	123.9
18:00	25.67	0.51	3.46	4.32	51.07	0.51	0.1	0.02	0.02	25.2	986.9	n.p.	calma	87.2	0.0	137.4
19:00	23.17	0.45	6.02	7.08	62.86	0.48	0.0	0.03	0.00	24.5	986.9	n.p.	calma	87.0	0.0	112.1
20:00	26.23	0.44	4.21	5.08	56.89	0.44	0.0	0.09	0.03	23.7	986.8	n.p.	calma	87.4	0.0	58.7
21:00	11.63	0.41	7.12	8.25	45.24	0.44	0.3	0.04	0.00	23.6	986.9	n.p.	calma	88.7	0.0	2.7
22:00	7.01	0.33	7.30	8.37	41.72	0.41	0.2	0.00	0.00	21.6	987.4	n.p.	calma	90.0	0.0	0.0
23:00	0.72	0.30	6.24	7.17	37.43	0.40	0.4	0.03	0.00	19.6	987.4	n.p.	calma	90.8	0.0	0.0
00:00	3,25 D	0.38	5.01	5.90	28.62	0.33	0.2	0.01	0.02	17.9	987.2	n.p.	calma	91.4	0.0	0.0
Mean	23.13	0.40	4.82	5.70	48.77	0.43	0.14	0.03	0.02	22.4	986.97		0.0	81.4	0.0	190.9
Min	0.72	0.17	2.71	3.55	28.62	0.33	0.00	0.00	0.00	15.8	986.24		0.3	50.7	0.0	0.0
Max	56.02	0.57	7.85	8.97	73.00	0.51	0.40	0.09	0.05	29.7	987.51		3.2	91.4	0.0	894.3

<b>PTS</b>
µg/m³
27

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.349
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi





**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 12 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	3.28	0.43	4.28	5.14	34.93	0.37	0.2	0.00	0.02	17.2	987.1	n.p.	calma	92.0	0.0	0.0
02:00	13.01	0.45	3.76	4.59	34.42	0.39	0.0	0.05	0.00	16.8	987.0	n.p.	calma	91.7	0.0	0.0
03:00	16.30	0.49	3.87	4.75	31.52	0.41	0.2	0.04	0.02	16.2	986.8	n.p.	calma	92.0	0.0	0.0
04:00	15.78	0.45	3.62	4.44	34.16	0.44	0.0	0.04	0.03	16.5	986.6	n.p.	calma	92.1	0.0	0.0
05:00	17.34	0.44	3.64	4.44	29.39	0.45	0.2	0.00	0.01	16.7	986.5	n.p.	calma	92.6	0.0	0.0
06:00	9.96	0.51	4.23	5.16	30.99	0.53	0.1	0.08	0.00	17.0	986.5	n.p.	calma	92.6	0.0	12.3
07:00	17.46	0.07	8.41	9.33	44.30	0.44	0.0	0.03	0.00	17.4	986.2	n.p.	calma	92.5	0.0	133.1
08:00	16.10	0.22	3.57	4.15	44.18	0.39	0.0	0.03	0.01	19.6	986.4	W	0.3	86.9	0.0	318.6
09:00	28.87	0.41	5.69	6.68	52.13	0.41	0.0	0.00	0.00	22.1	986.5	WNW	0.4	76.7	0.0	503.6
10:00	35.36	0.65	6.11	7.37	55.91	0.42	0.2	0.02	0.05	22.3	986.3	W	0.4	68.8	0.0	666.5
11:00	39.21	0.50	7.14	8.36	50.37	0.43	0.1	0.00	0.00	24.2	986.3	W	0.4	60.6	0.0	798.9
12:00	45.05	0.26	3.49	4.10	63.60	0.47	0.0	0.06	0.00	24.6	986.0	W	1.5	56.0	0.0	640.2
13:00	47.72	0.43	6.68	7.79	59.60	0.49	0.0	0.05	0.00	26.2	985.8	N	2.8	63.9	0.0	301.4
14:00	44.09	0.48	8.44	9.77	72.21	0.40	0.0	0.00	0.03	27.2	986.1	NNW	1.0	75.7	0.0	350.1
15:00	41.28	0.41	8.95	10.26	35.12	0.39	0.0	0.02	0.00	25.9	985.6	NNW	1.9	68.1	0.0	851.3
16:00	49.21	0.29	5.10	5.90	35.06	0.37	0.0	0.04	0.00	25.6	985.1	NNW	1.0	58.9	0.0	748.1
17:00	58.15	0.32	3.51	4.19	51.24	0.38	0.0	0.00	0.03	25.2	985.1	NNW	1.3	57.1	0.0	278.7
18:00	60.86	0.26	3.89	4.55	34.25	0.38	0.0	0.02	0.00	24.0	985.3	N	1.4	57.2	0.0	278.2
19:00	60.58	0.30	4.48	5.23	42.30	0.51	0.0	0.07	0.00	23.8	985.7	NNE	1.3	61.9	0.0	89.1
20:00	59.37	0.36	4.49	5.30	31.38	0.48	0.1	0.00	0.02	23.2	986.2	N	0.4	63.6	0.0	39.5
21:00	44.44	0.46	5.54	6.56	31.69	0.48	0.0	0.01	0.02	21.9	986.8	n.p.	calma	69.6	0.0	2.6
22:00	21.91	0.46	4.56	5.47	44.45	0.47	0.2	0.02	0.00	20.0	987.3	n.p.	calma	78.4	0.0	0.0
23:00	19.66	0.49	4.40	5.34	41.07	0.46	0.1	0.00	0.03	18.7	987.2	n.p.	calma	82.1	0.0	0.0
00:00	12.86	0.48	4.66	5.62	32.05	0.37	0.0	0.01	0.02	17.7	987.0	n.p.	calma	84.6	0.0	0.0

Mean	32.41	0.40	5.10	6.02	42.35	0.43	0.06	0.02	0.01	21.3	986.30		1.1	75.6	0.0	250.5
Min	3.28	0.07	3.49	4.10	29.39	0.37	0.00	0.00	0.00	16.2	985.10		0.3	56.0	0.0	0.0
Max	60.86	0.65	8.95	10.26	72.21	0.53	0.20	0.08	0.05	27.2	987.31		2.8	92.6	0.0	851.3

<b>PTS</b> µg/m³
25.1

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.437
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 13 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	11.84	0.50	3.66	4.53	27.97	0.35	0.2	0.00	0.02	17.1	986.6	n.p.	calma	86.7	0.0	0.0
02:00	8.81	0.48	3.23	4.04	27.77	0.35	0.0	0.04	0.00	15.5	986.7	n.p.	calma	88.2	0.0	0.0
03:00	6.33	0.42	3.29	4.04	23.00	0.36	0.0	0.04	0.04	15.7	986.7	n.p.	calma	89.6	0.0	0.0
04:00	17.56	0.45	3.49	4.29	19.62	0.36	0.2	0.03	0.03	15.9	986.6	n.p.	calma	90.3	0.0	0.0
05:00	14.21	0.39	3.07	3.77	20.27	0.39	0.1	0.06	0.02	15.9	986.7	n.p.	calma	89.9	0.0	0.0
06:00	24.14	0.47	4.29	5.20	19.15	0.40	0.3	0.03	0.01	16.5	986.3	n.p.	calma	90.2	0.0	9.6
07:00	15.32	0.70	10.52	12.29	33.17	0.41	0.1	0.01	0.00	16.6	986.5	n.p.	calma	90.1	0.0	135.9
08:00	29.59	0.64	9.30	10.88	37.69	0.44	0.0	0.05	0.00	20.0	986.8	n.p.	calma	81.7	0.0	319.8
09:00	42.42	0.36	3.40	4.10	29.22	0.44	0.0	0.03	0.02	23.2	986.8	WSW	0.3	67.3	0.0	497.8
10:00	50.49	0.32	4.67	5.46	23.83	0.44	0.2	0.03	0.04	24.9	986.7	WSW	0.3	58.4	0.0	654.8
11:00	55.51	0.34	3.55	4.25	20.95	0.36	0.2	0.06	0.00	25.9	986.6	WSW	0.3	53.1	0.0	728.8
12:00	56.82	0.36	3.50	4.21	20.28	0.38	0.1	0.04	0.01	27.5	986.5	WSW	0.3	47.3	0.0	789.1
13:00	59.50	0.38	3.33	4.05	26.10	0.39	0.0	0.02	0.02	27.9	986.0	SSW	0.4	46.4	0.0	976.3
14:00	60.75	0.40	3.27	4.00	12.23	0.42	0.0	0.12	0.00	29.5	985.3	SSW	0.4	42.8	0.0	861.4
15:00	62.35	0.41	4.37	5.22	21.18	0.44	0.0	0.03	0.02	28.8	984.9	SW	0.3	41.9	0.0	644.6
16:00	67.15	0.39	4.65	5.52	63.00	0.44	0.0	0.05	0.00	27.8	984.7	E	0.5	50.8	0.0	364.1
17:00	57.58	0.39	4.86	5.74	64.86	0.42	0.0	0.01	0.04	24.8	985.3	SE	1.4	62.8	0.0	149.4
18:00	55.81	0.41	4.71	5.60	46.78	0.42	0.1	0.00	0.00	23.7	985.1	SSE	0.4	65.9	0.0	188.5
19:00	54.38	0.47	6.10	7.19	48.09	0.42	0.1	0.05	0.02	23.7	985.9	n.p.	calma	67.7	0.0	90.9
20:00	44.78	0.48	8.39	9.72	38.60	0.40	0.2	0.01	0.00	23.1	986.2	NW	0.3	71.1	0.0	37.2
21:00	42.75	0.47	5.98	7.05	39.01	0.40	0.2	0.09	0.00	20.4	986.7	N	0.4	78.5	0.0	2.4
22:00	50.35	0.52	5.41	6.47	17.32	0.39	0.1	0.00	0.00	19.7	987.4	n.p.	calma	75.8	0.0	0.0
23:00	39.41	0.49	5.10	6.10	22.59	0.39	0.2	0.04	0.00	19.0	987.6	N	0.3	79.3	0.0	0.0
00:00	15.02	0.50	4.31	5.25	27.95	0.38	0.0	0.03	0.02	18.3	987.3	n.p.	calma	82.7	0.0	0.0
Mean	39.29	0.45	4.85	5.79	30.44	0.40	0.10	0.04	0.01	21.7	986.33		0.4	70.8	0.0	268.8
Min	6.33	0.32	3.07	3.77	12.23	0.35	0.00	0.00	0.00	15.5	984.74		0.3	41.9	0.0	0.0
Max	67.15	0.70	10.52	12.29	64.86	0.44	0.30	0.12	0.04	29.5	987.63		1.4	90.3	0.0	976.3

<b>PTS</b>
µg/m³
23.8

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.39
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 14 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	6.64	0.51	4.09	5.01	28.37	0.40	0.1	0.03	0.02	17.1	987.2	n.p.	calma	85.2	0.0	0.0
02:00	7.78	0.51	3.57	4.44	17.81	0.40	0.0	0.03	0.00	16.5	987.2	n.p.	calma	86.8	0.0	0.0
03:00	2.26	0.51	4.12	5.04	22.63	0.41	0.0	0.06	0.00	15.8	987.0	n.p.	calma	87.7	0.0	0.0
04:00	1.26	0.55	3.34	4.23	25.00	0.42	0.4	0.03	0.00	16.0	986.7	n.p.	calma	88.9	0.0	0.0
05:00	0.36	0.62	4.13	5.17	17.62	0.43	0.2	0.01	0.03	16.2	986.7	n.p.	calma	89.6	0.0	0.0
06:00	0.00	0.71	7.79	9.29	22.62	0.43	0.6	0.04	0.00	16.5	986.8	n.p.	calma	90.3	0.0	18.0
07:00	0.05	0.74	9.06	10.72	33.84	0.44	0.0	0.04	0.00	17.3	987.1	n.p.	calma	89.8	0.0	120.8
08:00	15.32	0.53	9.58	11.07	37.19	0.45	0.1	0.05	0.04	18.4	987.1	n.p.	calma	84.8	0.0	311.6
09:00	44.70	0.42	6.16	7.20	25.00	0.45	0.1	0.03	0.02	21.8	987.3	n.p.	calma	69.3	0.0	460.4
10:00	51.02	0.33	3.99	4.73	33.57	0.41	0.1	0.03	0.00	23.5	987.5	S	0.3	64.7	0.0	599.7
11:00	52.46	0.37	3.82	4.57	52.33	0.38	0.0	0.00	0.00	24.0	987.3	S	0.3	68.5	0.0	607.2
12:00	56.23	0.35	3.77	4.51	66.80	0.40	0.0	0.01	0.03	25.2	987.3	SSE	1.3	65.7	0.0	692.4
13:00	57.01	0.42	3.65	4.45	65.82	0.40	0.3	0.01	0.03	25.5	987.0	SE	1.8	63.9	0.0	852.5
14:00	58.07	0.42	4.72	5.61	71.05	0.40	0.2	0.00	0.04	26.1	986.6	SE	2.5	63.6	0.0	536.3
15:00	58.84	0.46	5.39	6.40	66.73	0.44	0.2	0.01	0.00	24.2	986.3	SE	0.8	70.6	0.0	229.3
16:00	54.86	0.52	7.40	8.67	68.62	0.44	0.0	0.03	0.03	24.0	986.3	SE	0.7	72.6	0.0	241.9
17:00	49.44	0.48	7.10	8.30	69.31	0.43	0.1	0.03	0.00	22.7	986.3	SE	0.3	82.0	0.0	144.5
18:00	48.60	0.43	4.60	5.50	55.90	0.42	0.0	0.00	0.00	21.8	986.2	SE	0.4	83.5	0.0	130.8
19:00	53.09	0.46	4.59	5.52	39.88	0.42	0.1	0.02	0.00	20.9	986.0	SE	0.5	81.3	0.0	113.6
20:00	50.48	0.41	4.13	4.96	54.11	0.40	0.2	0.01	0.00	19.5	986.4	SE	0.4	83.3	0.0	36.7
21:00	41.29	0.49	6.37	7.50	49.18	0.39	0.1	0.01	0.03	17.8	986.6	ESE	0.3	86.3	0.0	1.6
22:00	25.66	0.50	4.71	5.69	40.53	0.39	0.0	0.01	0.02	17.2	986.8	n.p.	calma	87.8	0.0	0.0
23:00	25.31	0.51	2.84	3.63	42.50	0.39	0.1	0.00	0.00	16.9	986.8	n.p.	calma	88.1	0.0	0.0
00:00	23.22	0.52	2.57	3.35	42.96	0.38	0.2	0.01	0.00	16.3	986.8	SSE	0.4	90.8	0.0	0.0

Mean	32.66	0.49	5.06	6.06	43.72	0.41	0.13	0.02	0.01	20.0	986.80		0.8	80.2	0.0	212.4
Min	0.00	0.33	2.57	3.35	17.62	0.38	0.00	0.00	0.00	15.8	986.01		0.3	63.6	0.0	0.0
Max	58.84	0.74	9.58	11.07	71.05	0.45	0.60	0.06	0.04	26.1	987.45		2.5	90.8	0.0	852.5

<b>PTS</b> µg/m³ 28.9
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.439
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 15 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	36.43	0.53	3.11	3.96	31.52	0.41	0.3	0.05	0.00	16.5	986.6	SE	0.3	90.9	0.0	0.0
02:00	23.90	0.43	3.09	3.83	25.00	0.41	0.5	0.09	0.00	17.9	985.9	n.p.	calma	91.2	0.0	0.0
03:00	26.18	0.45	3.00	3.75	43.07	0.42	0.1	0.05	0.03	18.2	985.5	n.p.	calma	92.0	0.0	0.0
04:00	24.10	0.49	2.83	3.61	46.65	0.42	0.0	0.04	0.00	19.4	985.5	n.p.	calma	92.1	0.0	0.0
05:00	23.25	0.52	2.69	3.47	37.98	0.47	0.0	0.01	0.03	19.9	985.1	n.p.	calma	92.9	0.0	0.0
06:00	11.91	0.47	3.15	3.94	41.15	0.48	0.0	0.06	0.01	20.9	985.2	n.p.	calma	93.0	0.0	2.9
07:00	16.10	0.50	4.31	5.25	40.54	0.50	0.0	0.02	0.02	22.5	985.7	n.p.	calma	93.3	0.0	35.8
08:00	19.29	0.45	4.37	5.26	49.15	0.52	0.4	0.03	0.00	22.7	985.9	n.p.	calma	93.2	0.0	70.9
09:00	20.35	0.43	3.02	3.75	49.50	0.45	0.0	0.04	0.00	22.9	986.1	n.p.	calma	93.0	0.0	142.5
10:00	20.25	0.45	2.80	3.54	50.13	0.40	0.1	0.08	0.02	23.1	986.1	n.p.	calma	91.8	0.0	193.4
11:00	24.55	0.41	2.77	3.46	46.88	0.40	0.1	0.05	0.00	23.7	986.2	n.p.	calma	88.5	0.0	375.7
12:00	30.65	0.37	2.65	3.29	39.89	0.41	0.1	0.00	0.01	24.4	985.9	W	0.3	75.0	0.0	741.6
13:00	40.31	0.36	2.45	3.06	41.33	0.46	0.0	0.01	0.01	24.9	985.7	WNW	0.5	67.4	0.0	610.1
14:00	46.33	0.38	2.48	3.11	40.31	0.49	0.1	0.02	0.00	25.3	985.5	W	0.4	70.9	0.0	679.5
15:00	51.63	0.40	2.44	3.09	24.49	0.52	0.0	0.01	0.00	25.0	985.3	WNW	0.5	59.8	0.0	839.5
16:00	54.11	0.40	2.38	3.02	38.36	0.52	0.0	0.03	0.00	24.7	985.6	WNW	0.3	64.1	0.0	612.2
17:00	53.23	0.41	2.49	3.15	48.68	0.51	0.2	0.06	0.00	24.4	985.6	WNW	0.3	65.3	0.0	350.8
18:00	55.61	0.43	2.68	3.38	53.96	0.50	0.1	0.03	0.00	22.7	985.7	WNW	0.5	72.7	0.0	199.3
19:00	52.75	0.44	2.83	3.56	45.03	0.50	0.1	0.01	0.00	22.6	986.0	W	0.4	76.2	0.0	112.2
20:00	38.09	0.52	3.09	3.92	42.89	0.48	0.0	0.09	0.03	20.3	986.1	W	0.3	84.7	0.0	26.4
21:00	33.04	0.48	2.93	3.71	34.85	0.45	0.0	0.00	0.02	19.9	986.1	n.p.	calma	87.9	0.0	9.4
22:00	35.17	0.49	2.50	3.25	25.73	0.43	0.0	0.00	0.01	18.3	986.4	WSW	0.3	88.0	0.0	0.0
23:00	39.67	0.45	2.85	3.59	29.38	0.42	0.2	0.02	0.00	17.7	986.5	WNW	0.4	87.9	0.0	0.0
00:00	38.87	0.48	2.86	3.63	37.70	0.39	0.1	0.04	0.00	16.3	986.4	W	0.3	87.3	0.0	0.0

Mean	33.99	0.45	2.91	3.65	40.17	0.46	0.10	0.04	0.01	21.4	985.86		0.4	83.3	0.0	208.4
Min	11.91	0.36	2.38	3.02	24.49	0.39	0.00	0.00	0.00	16.3	985.10		0.3	59.8	0.0	0.0
Max	55.61	0.53	4.37	5.26	53.96	0.52	0.50	0.09	0.03	25.3	986.56		0.5	93.3	0.0	839.5

<b>PTS</b> µg/m³ 27.7
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.373
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 16 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	40.49	0.49	2.97	3.76	40.67	0.38	0.4	0.05	0.00	16.1	986.1	WNW	0.3	85.4	0.0	0.0
02:00	44.92	0.43	2.87	3.58	39.45	0.40	0.1	0.01	0.00	16.5	985.5	WNW	0.5	84.5	0.0	0.0
03:00	45.16	0.45	3.08	3.84	36.36	0.42	0.0	0.04	0.01	16.7	985.2	WNW	0.6	85.1	0.0	0.0
04:00	45.66	0.44	3.13	3.89	40.13	0.42	0.0	0.02	0.03	18.6	984.8	WNW	1.0	85.1	0.0	0.0
05:00	45.21	0.40	3.19	3.91	41.59	0.43	0.1	0.04	0.03	19.4	984.3	WNW	1.2	85.0	0.0	0.0
06:00	50.99	0.44	3.46	4.24	44.47	0.44	0.2	0.11	0.00	19.6	984.3	WNW	2.2	82.9	0.0	3.9
07:00	49.31	0.46	3.92	4.77	41.70	0.45	0.0	0.03	0.03	20.3	984.5	WNW	2.3	84.3	0.0	38.7
08:00	44.90	0.49	5.61	6.67	54.04	0.44	0.2	0.00	0.00	22.2	985.0	WNW	2.1	87.9	0.0	99.1
09:00	50.44	0.52	9.20	10.65	46.35	0.42	0.0	0.03	0.01	22.5	985.8	WNW	2.4	85.3	0.0	175.3
10:00	40.63	0.48	4.38	5.30	44.76	0.36	0.0	0.05	0.04	23.4	986.1	WNW	2.5	81.8	0.0	522.5
11:00	49.71	0.40	3.78	4.56	45.60	0.36	0.1	0.00	0.01	23.6	985.9	NW	3.6	70.8	0.0	699.7
12:00	58.36	0.40	4.69	5.56	30.65	0.37	0.0	0.02	0.01	25.7	986.0	WNW	3.5	63.4	0.0	596.1
13:00	59.28	0.39	3.02	3.72	39.01	0.38	0.0	0.05	0.02	25.8	986.4	NW	3.7	62.8	0.0	610.5
14:00	66.84	0.37	3.95	4.71	31.49	0.43	0.1	0.03	0.00	26.3	986.3	NNW	6.6	58.2	0.0	820.3
15:00	66.43	0.41	3.82	4.62	10.15	0.40	0.2	0.01	0.00	26.2	985.9	NW	4.3	49.4	0.0	883.2
16:00	71.15	0.36	3.40	4.11	20.30	0.37	0.1	0.02	0.00	26.0	985.7	NW	3.3	45.9	0.0	578.6
17:00	75.67	0.34	3.54	4.24	22.27	0.42	0.1	0.02	0.02	25.9	985.7	WNW	2.9	47.3	0.0	487.6
18:00	81.94	0.38	3.45	4.17	30.82	0.44	0.1	0.01	0.00	25.4	985.7	NNW	5.1	53.7	0.0	396.1
19:00	82.33	0.36	3.08	3.76	29.28	0.44	0.0	0.00	0.03	23.8	986.2	NNW	4.2	55.1	0.0	125.0
20:00	81.72	0.44	3.94	4.78	20.87	0.40	0.0	0.02	0.00	21.9	986.7	NW	2.3	52.4	0.0	26.5
21:00	66.01	0.51	4.69	5.67	17.29	0.39	0.3	0.04	0.02	19.4	987.0	W	0.4	62.6	0.0	4.0
22:00	61.66	0.53	4.04	4.98	24.67	0.37	0.0	0.00	0.05	18.0	987.6	WNW	0.4	70.0	0.0	0.0
23:00	51.91	0.49	4.11	5.02	20.76	0.36	0.0	0.08	0.00	17.5	987.9	W	0.5	76.6	0.0	0.0
00:00	59.07	0.52	3.39	4.25	21.30	0.34	0.2	0.01	0.00	17.3	987.7	WNW	0.7	79.6	0.0	0.0
Mean	57.91	0.44	3.95	4.78	33.08	0.40	0.09	0.03	0.01	21.6	985.93		2.3	70.6	0.0	252.8
Min	40.49	0.34	2.87	3.58	10.15	0.34	0.00	0.00	0.00	16.1	984.28		0.3	45.9	0.0	0.0
Max	82.33	0.53	9.20	10.65	54.04	0.45	0.40	0.11	0.05	26.3	987.94		6.6	87.9	0.0	883.2

<b>PTS</b>
µg/m³
31.2

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.375
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 17 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	66.65	0.43	3.29	4.05	21.95	0.38	0.0	0.00	0.04	17.1	987.4	WNW	0.4	77.3	0.0	0.0
02:00	64.13	0.45	3.16	3.93	21.57	0.39	0.1	0.00	0.01	16.9	987.1	W	0.4	78.9	0.0	0.0
03:00	58.76	0.46	2.95	3.71	16.41	0.40	0.0	0.01	0.00	17.0	986.8	WSW	0.5	79.6	0.0	0.0
04:00	60.29	0.44	2.91	3.64	12.18	0.41	0.2	0.00	0.03	17.5	986.7	W	0.3	81.6	0.0	0.0
05:00	72.29	0.40	3.25	3.98	10.96	0.44	0.0	0.00	0.00	18.2	986.8	WNW	1.3	75.5	0.0	0.0
06:00	64.89	0.46	3.78	4.63	12.52	0.44	0.1	0.05	0.02	18.9	987.0	WSW	1.0	79.3	0.0	13.3
07:00	66.90	0.44	4.55	5.45	13.82	0.46	0.0	0.00	0.00	19.6	987.2	WNW	1.9	73.4	0.0	129.3
08:00	63.78	0.38	4.67	5.52	12.33	0.46	0.0	0.06	0.06	20.1	987.6	WNW	2.9	66.0	0.0	313.0
09:00	62.62	0.52	10.33	11.89	26.17	0.40	0.0	0.04	0.00	21.7	987.8	WNW	3.0	62.3	0.0	504.3
10:00	63.30	0.57	13.20	15.11	38.15	0.36	0.2	0.01	0.03	22.8	988.0	NW	3.1	56.5	0.0	687.7
11:00	67.13	0.58	13.38	15.32	12.39	0.36	0.1	0.02	0.02	23.1	988.2	WNW	3.5	49.9	0.0	763.9
12:00	70.88	0.48	7.31	8.53	9.09	0.43	0.2	0.02	0.00	23.7	988.5	NNW	4.4	47.1	0.0	934.0
13:00	75.21	0.39	3.31	4.04	8.37	0.46	0.2	0.06	0.01	25.1	988.7	NNW	4.9	43.4	0.0	842.1
14:00	77.00	0.34	3.25	3.93	12.81	0.45	0.2	0.03	0.04	27.3	988.7	NW	3.6	38.8	0.0	898.6
15:00	80.61	0.37	3.10	3.78	14.21	0.44	0.0	0.01	0.03	26.8	988.7	NW	3.7	37.7	0.0	881.1
16:00	82.00	0.43	2.95	3.68	17.18	0.43	0.0	0.00	0.03	26.3	988.8	NW	4.2	39.2	0.0	822.7
17:00	84.29	0.39	3.03	3.72	25.00	0.38	0.3	0.04	0.00	26.2	989.1	NW	4.5	39.9	0.0	654.8
18:00	85.92	0.37	3.10	3.78	26.68	0.36	0.1	0.02	0.05	23.2	989.1	NNW	4.2	42.9	0.0	450.3
19:00	87.23	0.44	3.26	4.03	29.05	0.42	0.1	0.04	0.04	22.1	989.6	NNW	4.6	47.1	0.0	157.6
20:00	86.60	0.46	4.18	5.07	18.74	0.40	0.0	0.03	0.03	21.6	990.1	NNW	3.0	47.0	0.0	26.9
21:00	80.68	0.58	5.35	6.48	14.78	0.38	0.1	0.04	0.00	20.5	990.5	WNW	0.4	51.5	0.0	4.2
22:00	66.11	0.60	4.66	5.73	13.26	0.37	0.1	0.04	0.03	19.8	991.3	NW	0.6	62.4	0.0	0.0
23:00	51.97	0.65	5.60	6.81	11.25	0.36	0.1	0.08	0.00	18.2	991.5	WSW	0.4	69.6	0.0	0.0
00:00	47.26	0.62	4.05	5.07	10.68	0.34	0.3	0.03	0.00	16.9	991.5	WSW	0.4	76.0	0.0	0.0

Mean	70.27	0.47	4.94	5.91	17.06	0.41	0.10	0.03	0.02	21.3	988.60		2.4	59.3	0.0	336.8
Min	47.26	0.34	2.91	3.64	8.37	0.34	0.00	0.00	0.00	16.9	986.65		0.3	37.7	0.0	0.0
Max	87.23	0.65	13.38	15.32	38.15	0.46	0.30	0.08	0.06	27.3	991.50		4.9	81.6	0.0	934.0

<b>PTS</b> µg/m³
30.1

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.393
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 18 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	51.84	0.56	4.19	5.17	13.56	0.36	0.4	0.10	0.02	16.5	991.6	WSW	0.5	77.2	0.0	0.0
02:00	51.60	0.55	3.66	4.58	24.15	0.37	0.3	0.06	0.04	17.3	991.3	W	0.5	77.7	0.0	0.0
03:00	50.83	0.55	3.63	4.55	52.07	0.41	0.0	0.08	0.02	18.1	991.1	WSW	0.6	78.4	0.0	0.0
04:00	53.25	0.50	3.02	3.83	65.50	0.45	0.3	0.03	0.01	18.8	991.0	W	0.4	77.0	0.0	0.0
05:00	52.08	0.56	2.88	3.74	43.28	0.45	0.4	0.04	0.00	20.2	991.2	W	0.5	75.1	0.0	0.0
06:00	52.01	0.52	3.30	4.15	24.81	0.46	0.0	0.07	0.01	22.3	991.4	W	0.6	73.7	0.0	15.6
07:00	51.22	0.45	3.38	4.17	21.37	0.49	0.3	0.03	0.01	23.1	991.6	WSW	0.3	69.8	0.0	120.8
08:00	61.00	0.49	4.04	4.94	24.19	0.49	0.0	0.00	0.05	23.9	991.9	WNW	1.4	56.0	0.0	307.3
09:00	65.43	0.42	3.58	4.36	29.38	0.40	0.3	0.04	0.01	25.1	992.5	NW	1.3	50.1	0.0	495.5
10:00	67.71	0.44	2.88	3.61	38.88	0.38	0.3	0.00	0.05	24.7	992.5	NNW	3.1	47.7	0.0	663.2
11:00	69.23	0.40	3.00	3.71	32.54	0.36	0.1	0.00	0.00	26.8	992.6	NNW	3.6	44.5	0.0	806.0
12:00	71.04	0.40	2.98	3.68	21.37	0.37	0.2	0.08	0.00	27.9	992.6	NNW	3.5	39.6	0.0	903.6
13:00	74.13	0.45	2.50	3.21	37.48	0.45	0.4	0.03	0.05	28.7	992.5	NNW	3.6	37.5	0.0	943.7
14:00	76.80	0.46	2.34	3.04	24.88	0.45	0.4	0.02	0.00	29.2	992.3	NNW	4.5	36.0	0.0	811.8
15:00	77.38	0.43	2.43	3.11	19.70	0.41	0.1	0.02	0.04	28.9	992.2	NNW	3.7	33.2	0.0	877.9
16:00	79.84	0.41	2.59	3.26	38.33	0.39	0.2	0.03	0.00	27.8	992.2	NNW	4.4	32.0	0.0	770.6
17:00	84.40	0.42	2.41	3.07	25.92	0.36	0.0	0.04	0.03	26.3	992.3	NNW	5.2	31.8	0.0	612.5
18:00	86.50	0.40	2.36	3.00	27.53	0.44	0.0	0.00	0.02	25.7	992.3	NNW	4.9	33.6	0.0	439.8
19:00	87.89	0.45	3.09	3.85	30.27	0.49	0.2	0.00	0.04	24.3	992.6	NNW	3.8	35.0	0.0	164.1
20:00	84.63	0.49	4.70	5.67	27.09	0.48	0.1	0.00	0.01	23.8	992.7	NW	1.6	38.2	0.0	35.7
21:00	72.30	0.69	8.82	10.40	24.04	0.48	0.1	0.00	0.02	21.4	992.9	N	1.5	48.1	0.0	3.8
22:00	51.68	0.70	7.57	9.04	29.32	0.38	0.2	0.04	0.05	20.4	993.6	n.p.	calma	61.1	0.0	0.0
23:00	40.56	0.71	7.80	9.30	26.89	0.37	0.4	0.02	0.00	18.7	994.1	n.p.	calma	67.0	0.0	0.0
00:00	29.21	0.69	6.25	7.57	23.73	0.37	0.0	0.02	0.05	17.5	994.1	WNW	0.3	70.9	0.0	0.0

Mean	64.27	0.51	3.89	4.79	30.26	0.42	0.20	0.03	0.02	23.2	992.30		2.3	53.8	0.0	332.2
Min	29.21	0.40	2.34	3.00	13.56	0.36	0.00	0.00	0.00	16.5	991.02		0.3	31.8	0.0	0.0
Max	87.89	0.71	8.82	10.40	65.50	0.49	0.40	0.10	0.05	29.2	994.14		5.2	78.4	0.0	943.7

<b>PTS</b> µg/m³
37.4

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.361
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 19 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	26.32	0.71	5.44	6.71	22.33	0.37	0.0	0.02	0.00	16.9	994.0	WNW	0.4	75.9	0.0	0.0
02:00	18.23	0.71	4.35	5.50	22.68	0.37	0.1	0.03	0.02	16.5	993.9	WNW	0.3	79.5	0.0	0.0
03:00	12.15	0.76	4.90	6.16	26.82	0.36	0.0	0.03	0.00	16.2	993.6	n.p.	calma	80.9	0.0	0.0
04:00	10.18	0.66	4.02	5.08	33.65	0.36	0.1	0.04	0.05	16.7	993.5	WNW	0.3	83.0	0.0	0.0
05:00	12.48	0.67	5.09	6.27	33.71	0.35	0.0	0.07	0.00	17.3	993.5	n.p.	calma	83.2	0.0	0.0
06:00	16.31	0.74	8.21	9.78	40.31	0.35	0.4	0.05	0.00	17.5	993.7	NW	0.4	82.4	0.0	12.3
07:00	13.95	0.63	21.42	24.22	41.94	0.36	0.3	0.01	0.02	18.1	993.9	n.p.	calma	79.7	0.0	119.1
08:00	22.61	0.55	5.43	6.53	34.25	0.36	0.0	0.01	0.00	18.6	994.2	n.p.	calma	69.2	0.0	304.2
09:00	51.93	0.55	4.57	5.59	23.56	0.35	0.0	0.07	0.03	22.7	994.5	SW	0.5	49.3	0.0	494.8
10:00	61.80	0.42	4.16	5.01	20.64	0.36	0.1	0.05	0.01	24.5	994.3	SW	0.5	39.6	0.0	668.4
11:00	70.03	0.64	4.20	5.27	17.06	0.36	0.1	0.01	0.00	27.6	994.3	SW	0.7	31.6	0.0	808.1
12:00	75.77	0.41	3.21	3.95	20.17	0.38	0.1	0.00	0.01	28.7	993.9	NW	1.2	27.6	0.0	907.6
13:00	81.00	0.45	5.03	5.99	22.43	0.38	0.1	0.03	0.04	30.8	993.8	NNW	1.7	26.5	0.0	951.2
14:00	83.41	0.47	5.88	6.94	32.31	0.38	0.1	0.05	0.00	31.7	993.7	NNW	1.6	25.5	0.0	813.5
15:00	91.05	0.50	7.22	8.44	69.40	0.39	0.0	0.04	0.02	30.9	993.3	NNE	2.6	27.1	0.0	879.3
16:00	89.36	0.53	3.92	4.86	54.31	0.39	0.2	0.04	0.00	31.6	993.0	NNE	2.5	27.1	0.0	762.5
17:00	90.47	0.49	4.04	4.94	65.59	0.40	0.0	0.00	0.02	29.7	992.8	NNE	1.7	26.5	0.0	620.8
18:00	92.56	0.43	3.84	4.66	48.29	0.41	0.1	0.00	0.00	27.4	992.5	NNE	2.1	26.9	0.0	436.6
19:00	94.74	0.44	6.14	7.20	20.11	0.38	0.2	0.02	0.00	25.6	992.7	NNE	2.7	27.8	0.0	159.2
20:00	84.38	0.51	10.87	12.48	29.73	0.37	0.0	0.00	0.03	25.0	992.8	NNE	1.7	32.7	0.0	28.9
21:00	62.96	0.62	11.37	13.15	24.93	0.40	0.1	0.08	0.01	24.1	993.2	n.p.	calma	42.6	0.0	5.5
22:00	48.21	0.65	8.11	9.59	22.19	0.39	0.0	0.00	0.00	22.6	993.9	n.p.	calma	49.9	0.0	0.0
23:00	38.54	0.73	6.81	8.24	25.65	0.39	0.0	0.07	0.00	20.3	994.5	n.p.	calma	58.3	0.0	0.0
00:00	34.22	0.73	6.73	8.14	26.56	0.40	0.0	0.03	0.01	18.4	994.6	n.p.	calma	61.8	0.0	0.0
Mean	53.44	0.58	6.46	7.70	32.44	0.38	0.08	0.03	0.01	23.3	993.67		1.3	50.6	0.0	332.2
Min	10.18	0.41	3.21	3.95	17.06	0.35	0.00	0.00	0.00	16.2	992.51		0.3	25.5	0.0	0.0
Max	94.74	0.76	21.42	24.22	69.40	0.41	0.40	0.08	0.05	31.7	994.57		2.7	83.2	0.0	951.2

<b>PTS</b>
µg/m³
33

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.32
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 20 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	26.28	0.75	7.16	8.63	29.30	0.39	0.3	0.04	0.00	18.2	994.7	n.p.	calma	67.7	0.0	0.0
02:00	21.52	0.73	5.04	6.28	32.99	0.39	0.3	0.02	0.01	18.3	994.6	n.p.	calma	70.5	0.0	0.0
03:00	15.32	0.81	5.55	6.93	38.18	0.39	0.0	0.01	0.01	18.8	994.3	n.p.	calma	74.1	0.0	0.0
04:00	12.57	0.73	5.74	7.05	40.86	0.38	0.1	0.02	0.02	20.0	994.1	n.p.	calma	77.5	0.0	0.0
05:00	22.60	0.76	7.17	8.65	46.17	0.39	0.3	0.00	0.01	22.5	994.1	NW	0.5	78.1	0.0	0.0
06:00	19.36	0.81	9.57	11.34	41.31	0.39	0.0	0.01	0.07	23.4	994.3	NNW	0.3	80.8	0.0	13.4
07:00	16.70	0.83	10.44	12.32	63.45	0.39	0.0	0.03	0.00	24.4	994.5	n.p.	calma	79.5	0.0	127.8
08:00	31.54	0.66	8.66	10.20	100.49	0.40	0.1	0.02	0.03	24.9	994.5	n.p.	calma	73.2	0.0	311.2
09:00	56.64	0.54	5.51	6.61	87.34	0.42	0.0	0.03	0.02	25.2	994.6	WNW	0.3	58.8	0.0	495.2
10:00	70.70	0.54	4.62	5.63	39.96	0.42	0.0	0.04	0.03	25.4	994.5	SW	0.4	47.3	0.0	667.1
11:00	77.18	0.79	6.14	7.55	27.56	0.41	0.1	0.01	0.01	26.5	994.5	S	1.1	39.8	0.0	796.5
12:00	82.15	0.75	6.15	7.52	35.96	0.43	0.1	0.04	0.01	30.6	994.4	NNE	1.0	33.6	0.0	877.0
13:00	83.88	0.71	4.80	5.99	39.59	0.43	0.4	0.10	0.00	31.0	994.3	NNE	1.4	32.0	0.0	917.2
14:00	84.03	0.68	5.94	7.22	42.18	0.41	0.2	0.01	0.00	31.8	994.0	N	1.0	31.7	0.0	814.2
15:00	87.28	0.66	5.51	6.72	52.92	0.43	0.4	0.09	0.03	30.7	993.6	NNE	1.3	32.3	0.0	858.8
16:00	88.70	0.64	5.76	6.98	47.90	0.43	0.0	0.00	0.03	29.5	993.2	N	1.0	32.4	0.0	740.7
17:00	90.06	0.63	6.94	8.27	37.10	0.44	0.0	0.03	0.02	27.3	993.1	N	1.2	33.2	0.0	587.3
18:00	92.72	0.62	6.67	7.96	24.36	0.43	0.0	0.02	0.00	26.4	993.1	ENE	3.1	34.5	0.0	400.1
19:00	94.03	0.61	8.12	9.56	22.28	0.42	0.0	0.06	0.01	25.2	993.3	NE	2.1	36.5	0.0	159.6
20:00	83.62	0.64	10.62	12.34	20.53	0.41	0.0	0.05	0.04	24.3	993.7	NE	1.0	40.5	0.0	48.2
21:00	62.80	0.78	9.64	11.40	59.90	0.41	0.1	0.02	0.01	22.6	994.2	N	0.5	48.8	0.0	4.7
22:00	56.10	0.80	9.37	11.12	61.40	0.42	0.1	0.04	0.05	20.3	994.4	N	0.5	55.0	0.0	0.0
23:00	43.28	0.79	7.97	9.57	50.84	0.41	0.1	0.02	0.02	19.7	995.0	n.p.	calma	59.4	0.0	0.0
00:00	36.10	0.97	8.62	10.47	66.42	0.41	0.1	0.02	0.02	18.3	995.0	n.p.	calma	63.9	0.0	0.0

Mean	56.47	0.72	7.15	8.60	46.21	0.41	0.11	0.03	0.02	24.4	994.16		1.0	53.4	0.0	325.8
Min	12.57	0.54	4.62	5.63	20.53	0.38	0.00	0.00	0.00	18.2	993.05		0.3	31.7	0.0	0.0
Max	94.03	0.97	10.62	12.34	100.49	0.44	0.40	0.10	0.07	31.8	994.97		3.1	80.8	0.0	917.2

<b>PTS</b> µg/m³
37.4

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.417
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 21 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	22.85	0.89	7.19	8.80	55.59	0.41	0.2	0.04	0.00	18.1	994.8	n.p.	calma	69.3	0.0	0.0
02:00	16.13	0.86	6.83	8.38	53.71	0.40	0.0	0.02	0.00	17.6	994.6	n.p.	calma	74.0	0.0	0.0
03:00	13.37	0.88	6.39	7.91	51.00	0.40	0.0	0.04	0.01	18.2	994.4	n.p.	calma	75.7	0.0	0.0
04:00	15.04	0.85	4.99	6.34	55.51	0.40	0.0	0.01	0.00	18.4	994.3	n.p.	calma	76.7	0.0	0.0
05:00	12.55	0.93	5.92	7.44	48.77	0.39	0.1	0.03	0.02	19.0	994.2	n.p.	calma	79.6	0.0	0.0
06:00	11.80	0.93	7.37	9.05	48.50	0.38	0.1	0.03	0.03	19.4	994.3	n.p.	calma	82.2	0.0	11.8
07:00	14.83	0.97	11.74	13.89	67.50	0.39	0.2	0.03	0.01	19.9	994.3	n.p.	calma	82.3	0.0	98.9
08:00	24.75	0.87	15.40	17.82	79.88	0.42	0.0	0.00	0.00	21.8	994.7	n.p.	calma	75.4	0.0	268.8
09:00	39.64	0.75	6.13	7.49	68.69	0.45	0.0	0.01	0.00	26.8	994.8	n.p.	calma	60.8	0.0	460.9
10:00	65.53	0.94	6.02	7.57	80.86	0.44	0.1	0.03	0.02	29.5	994.5	SW	0.6	50.3	0.0	633.8
11:00	76.66	0.83	6.18	7.63	69.94	0.44	0.0	0.04	0.04	32.3	994.5	W	0.4	40.8	0.0	770.6
12:00	72.58	0.81	4.94	6.25	62.41	0.44	0.4	0.08	0.02	34.1	994.5	NNW	1.0	36.8	0.0	862.6
13:00	72.82	0.74	5.53	6.82	58.40	0.44	0.2	0.08	0.00	34.4	994.4	N	2.0	35.8	0.0	901.2
14:00	71.20	0.72	5.55	6.83	53.22	0.44	0.2	0.06	0.01	35.2	994.3	NNW	2.0	33.8	0.0	798.1
15:00	73.57	0.65	7.54	8.95	46.81	0.43	0.1	0.03	0.05	34.9	994.1	NNW	2.4	31.7	0.0	834.4
16:00	81.24	0.65	6.85	8.19	46.64	0.43	0.2	0.09	0.00	33.8	994.0	N	2.7	31.3	0.0	724.3
17:00	84.42	0.65	5.93	7.18	44.76	0.44	0.0	0.00	0.00	31.3	994.0	N	2.4	30.7	0.0	571.8
18:00	83.78	0.64	6.72	8.04	45.34	0.43	0.0	0.02	0.03	29.1	993.9	N	2.2	32.1	0.0	394.2
19:00	83.32	0.62	6.11	7.35	37.99	0.42	0.0	0.02	0.00	26.2	993.8	N	2.3	35.2	0.0	165.4
20:00	77.39	0.72	7.91	9.44	39.92	0.41	0.1	0.06	0.00	25.8	994.1	N	1.5	40.0	0.0	51.8
21:00	67.14	0.83	9.81	11.63	30.20	0.40	0.0	0.06	0.00	23.5	994.3	n.p.	calma	45.9	0.0	6.5
22:00	46.86	0.91	8.24	9.98	35.27	0.43	0.2	0.01	0.00	22.4	994.8	n.p.	calma	54.9	0.0	0.0
23:00	40.00	0.87	6.70	8.25	36.80	0.42	0.0	0.02	0.00	19.3	995.2	n.p.	calma	63.7	0.0	0.0
00:00	38.20	0.87	7.05	8.63	39.26	0.41	0.0	0.07	0.03	18.7	995.4	NW	0.3	68.0	0.0	0.0

Mean	50.24	0.81	7.21	8.75	52.37	0.42	0.09	0.04	0.01	25.4	994.41		1.6	54.5	0.0	314.8
Min	11.80	0.62	4.94	6.25	30.20	0.38	0.00	0.00	0.00	17.6	993.79		0.3	30.7	0.0	0.0
Max	84.42	0.97	15.40	17.82	80.86	0.45	0.40	0.09	0.05	35.2	995.39		2.7	82.3	0.0	901.2

<b>PTS</b> µg/m³ 32.6
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.434
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_10**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 22 giugno 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	34.85	0.88	7.17	8.78	34.76	0.42	0.0	0.00	0.00	18.5	995.3	NNW	0.4	71.3	0.0	0.0
02:00	23.26	0.89	5.80	7.28	46.22	0.42	0.1	0.00	0.02	18.2	995.2	n.p.	calma	73.5	0.0	0.0
03:00	13.74	0.92	9.51	11.39	45.65	0.42	0.0	0.02	0.01	18.4	995.0	n.p.	calma	77.0	0.0	0.0
04:00	5.34	0.96	5.49	7.01	44.76	0.42	0.0	0.00	0.06	19.2	995.0	n.p.	calma	79.5	0.0	0.0
05:00	3.22	0.87	5.02	6.39	49.81	0.40	0.1	0.01	0.02	19.3	995.0	n.p.	calma	81.3	0.0	0.0
06:00	4.54	0.97	8.48	10.31	37.32	0.40	0.1	0.00	0.00	20.0	995.1	n.p.	calma	82.2	0.0	12.5
07:00	5.44	0.88	14.15	16.46	57.49	0.41	0.0	0.03	0.00	21.0	995.1	n.p.	calma	81.9	0.0	111.2
08:00	14.48	0.82	8.17	9.82	65.70	0.42	0.0	0.02	0.00	23.0	995.3	n.p.	calma	71.4	0.0	282.5
09:00	40.86	0.65	5.74	6.98	67.75	0.44	0.0	0.03	0.00	25.6	995.5	n.p.	calma	56.5	0.0	460.8
10:00	44.47	0.65	9.30	10.89	71.83	0.46	0.2	0.04	0.00	27.8	995.3	S	0.3	53.7	0.0	620.1
11:00	51.08	0.68	7.53	8.98	71.31	0.48	0.1	0.04	0.03	31.4	994.9	SSE	0.4	45.0	0.0	752.0
12:00	56.82	0.74	8.20	9.77	66.49	0.48	0.0	0.08	0.00	34.8	994.8	SW	0.4	38.7	0.0	842.4
13:00	55.65	0.79	10.52	12.37	37.89	0.47	0.0	0.00	0.01	36.7	994.6	NNE	1.7	32.5	0.0	886.1
14:00	68.84	0.79	11.19	13.11	36.09	0.49	0.2	0.03	0.02	37.3	994.4	N	1.7	32.4	0.0	787.1
15:00	66.49	0.82	13.68	15.89	42.15	0.49	0.0	0.01	0.00	36.1	993.9	NNW	1.6	29.1	0.0	823.9
16:00	79.31	0.84	12.42	14.52	54.86	0.51	0.0	0.09	0.02	34.8	993.8	NNE	2.8	32.0	0.0	711.3
17:00	73.38	0.89	10.27	12.20	49.38	0.49	0.1	0.03	0.02	34.1	993.8	NNE	3.2	32.5	0.0	566.2
18:00	68.48	0.90	7.68	9.35	47.33	0.46	0.0	0.06	0.00	33.3	993.6	N	2.9	31.9	0.0	385.3
19:00	64.24	0.91	7.42	9.08	41.41	0.44	0.0	0.09	0.02	30.8	993.7	N	1.6	33.9	0.0	172.5
20:00	59.09	0.63	8.78	10.30	37.97	0.44	0.0	0.03	0.00	28.4	993.9	N	0.8	41.2	0.0	57.3
21:00	61.82	0.76	10.83	12.69	31.47	0.44	0.1	0.00	0.00	26.8	994.2	NNE	1.5	48.1	0.0	5.9
22:00	49.57	0.96	12.62	14.85	39.87	0.45	0.1	0.02	0.01	25.5	994.7	WNW	0.3	53.5	0.0	0.0
23:00	31.99	0.99	10.02	12.03	34.51	0.45	0.4	0.02	0.03	23.8	994.5	n.p.	calma	61.6	0.0	0.0
00:00	22.63	0.96	10.22	12.21	28.75	0.45	0.0	0.09	0.00	21.2	994.4	n.p.	calma	68.6	0.0	0.0

Mean	41.65	0.84	9.17	10.94	47.53	0.45	0.06	0.03	0.01	26.9	994.61		1.4	54.6	0.0	311.5
Min	3.22	0.63	5.02	6.39	28.75	0.40	0.00	0.00	0.00	18.2	993.58		0.3	29.1	0.0	0.0
Max	79.31	0.99	14.15	16.46	71.83	0.51	0.40	0.09	0.06	37.3	995.50		3.2	82.2	0.0	886.1

<b>PTS</b> µg/m³
20.2

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.00907
Arsenico	< 0.00181
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	< 0.00181
Nichel	< 0.00181
Piombo	< 0.00181
Potassio	< 1.81
Rame	< 0.000907
Silicio	0.41
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

RAPPORTO DI PROVA N 23LA28605		DEL 29/11/2023	
<b>COMMITTENTE:</b>	EMPEDOCLE 2 s.c.p.a.		
<b>INDIRIZZO COMMITTENTE:</b>	C.da Bigini Km.57+700 93100 CALTANISSETTA (CL)		
<b>PARTITA IVA E/O COD. FISCALE:</b>	IT02379310390		
<b>UBICAZIONE CAMPIONAMENTO:</b>	C.DA BIGINI (KM 12+900)		
<b>PUNTO DI CAMPIONAMENTO:</b>	ATM_10		
<b>DESCRIZIONE CAMPIONE:</b>	RADIELLO		
<b>CAMPIONAMENTO A CURA DI:</b>	TECNICI DEL LABORATORIO NATURA SRL		
<b>NOME E COGNOME CAMPIONATORE:</b>	Claudio Girgenti		
<b>N° VERBALE DI CAMPIONAMENTO:</b>	20230624CG1800		
<b>DATA INIZIO CAMPIONAMENTO:</b> 08/06/2023	<b>ORA INIZIO CAMPIONAMENTO:</b>	00.00	
<b>DATA FINE CAMPIONAMENTO:</b> 21/06/2023	<b>ORA FINE CAMPIONAMENTO:</b>	23.59	
<b>DATA RICEZIONE CAMPIONE:</b> 03/07/2023	<b>ORA ACCETTAZIONE CAMPIONE:</b>	14.00	
<b>DATA ACCETTAZIONE CAMPIONE:</b> 03/07/2023			
<b>N° ACCETTAZIONE CAMPIONE:</b> 23LA28605			
<b>DATA INIZIO PROVE:</b> 03/11/2023	<b>DATA FINE PROVE:</b>	14/11/2023	

Parametro	U.M.	Risultato	Incertezza
Metodo			

#### IDROCARBURI E RELATIVE FRAZIONI

IDROCARBURI RADIELLO + EPA 8015D 2003	µg/m§	< 28,1
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#### COMPOSTI ORGANICI AROMATICI

BENZENE RADIELLO + EPA 8015D 2003	µg/m§	< 0,012
TOLUENE RADIELLO + EPA 8015D 2003	µg/m§	< 0,013
XILENE RADIELLO + EPA 8015D 2003	µg/m§	< 0,028

#### Legenda:

- U.M. = unità di misura
- Cat. III = prova eseguita in campo
- nd = non determinabile
- NR = non rilevato
- \* = prova non accreditata ACCREDIA
- # = prova in subappalto
- \$ = prova fornita dal cliente per la quale il laboratorio declina ogni responsabilità
- Parametro NON CONFORME

Informazioni fornite dal cliente per le quali il laboratorio declina ogni eventuale responsabilità:  
PUNTO DI CAMPIONAMENTO, DESCRIZIONE CAMPIONE.

Il recupero dei singoli analiti è compreso tra l' 80% ed il 120%. Non si utilizza alcun fattore di correzione nel calcolo della concentrazione. Per le singole diossine, il recupero varia dal 63% al 170%.

Il criterio di valutazione utilizzato per l'espressione del giudizio di conformità è eseguito in conformità alle Linee Guida SNPA 34/2021 secondo la regola denominata "Accettazione semplice".

Il limite inferiore dei misurandi viene calcolato in funzione di pesate, diluizioni e primo punto retta (LR adjusted).

### GIUDIZIO DI CONFORMITÀ

NESSUN SUPERAMENTO - CONFORME rispetto al limite per i parametri analizzati.

**SEGUE RAPPORTO DI PROVA N 23LA28605**

**DEL 29/11/2023**

**I risultati del presente rapporto di prova si devono intendere riferiti esclusivamente al campione sottoposto a prova.  
Il presente rapporto di prova non può essere riprodotto parzialmente se non previa approvazione scritta da parte di questo Laboratorio.**

**Il Responsabile di Laboratorio**  
*Dott. Francesco Troisi*

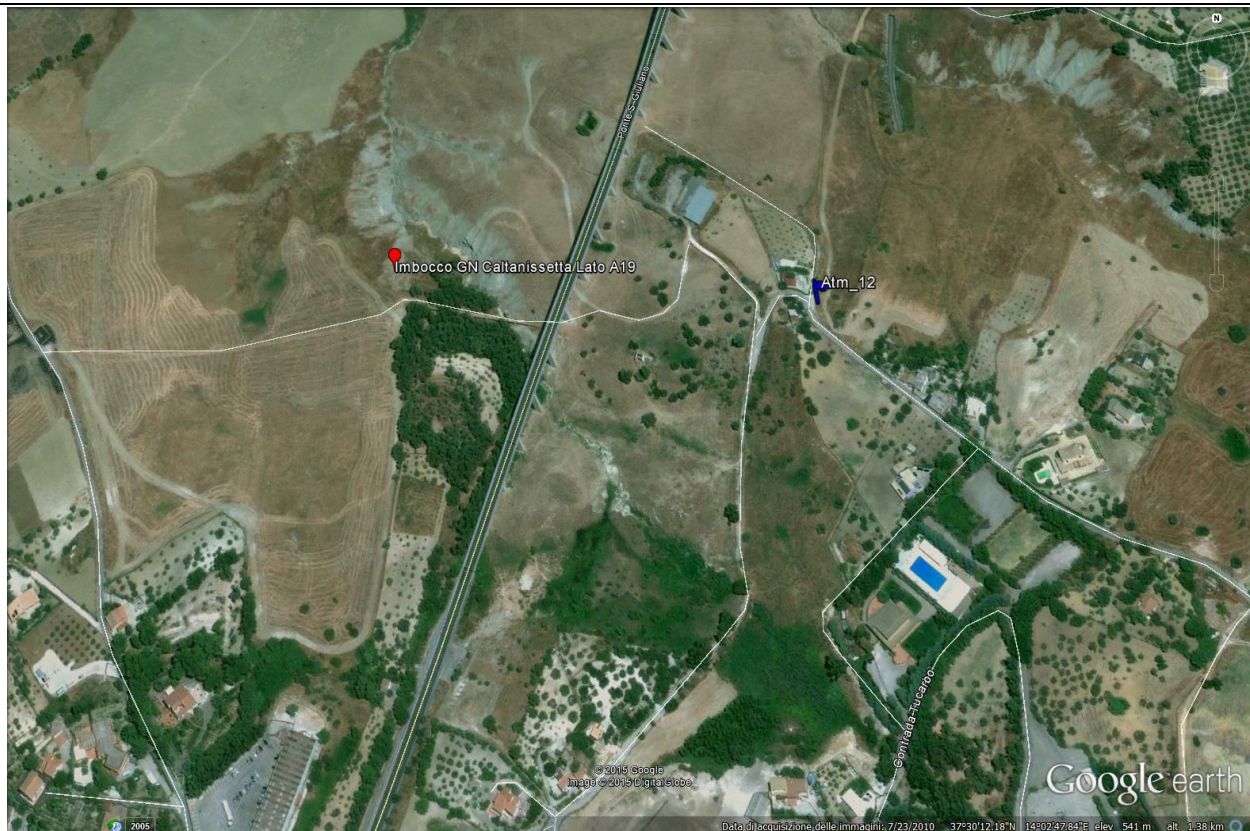


**- Fine Rapporto di Prova -**

**Monitoraggio componente ATMOSFERA  
Scheda di rilevazione**

**RILIEVO PLANIMETRICO**

**Codice misura: ATM\_12**



**LOCALIZZAZIONE GEOGRAFICA**

Località: C/da S. Filippo Neri/Tucarbo  
 Comune: Caltanissetta  
 Provincia: Caltanissetta  
 Regione: Sicilia  
 Distanza dal tracciato: 20 m

**ANAGRAFICA**

<b>Misura N.</b>	ATM_12	<b>Durata Rilievi</b>	Da:	08/07/2023
			A:	21/07/2023

**COORDINATE:** 37°30'15.01"N; 14° 2'54.01"E

**Fase di monitoraggio:** CORSO D'OPERA

**STRUMENTAZIONE DI MISURA**

Laboratorio mobile per il monitoraggio della qualità dell'aria conforme alla normativa D.Lgs 155/2010 Fiat Ducato targa GK 071 HV  
 Tecnico rilevatore: geol. Claudio Girgenti

## Monitoraggio componente ATMOSFERA

### PRINCIPALI SORGENTI INQUINANTI

<input type="checkbox"/>	Linea ferroviaria	m:	<input checked="" type="checkbox"/>	SS. 640	m: 200
<input type="checkbox"/>	Industrie	m:	<input type="checkbox"/>	Infrastrutture aeroportuali	m:
<input type="checkbox"/>	Cantieri	m:	<input type="checkbox"/>	Fermata mezzi pubblici (autobus)	m:
<input type="checkbox"/>	Parcheggio	m:	<input type="checkbox"/>	Fermata mezzi pubblici (filobus)	m:

### POSIZIONE DEL PUNTO DI MONITORAGGIO RISPETTO AL RECETTORE

<input type="checkbox"/>	Fronte	m:	<input type="checkbox"/>	Lato sinistro	m:
<input checked="" type="checkbox"/>	Lato destro	m:			

### CARATTERISTICHE DEL TRAFFICO SULLA STRADA PIU' VICINA

<input type="checkbox"/>	Leggero	<input checked="" type="checkbox"/>	Scorrevole
<input type="checkbox"/>	Misto	<input type="checkbox"/>	Pulsante
<input checked="" type="checkbox"/>	Pesante	<input type="checkbox"/>	A blocchi temporanei

### DOCUMENTAZIONE FOTOGRAFICA



Per i parametri misurati, si rimanda ai rapporti di prova e alle schede di campo.



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 08 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	41.07	0.49	3.27	4.14	15.72	0.45	0.01	0.02	0.01	24.8	992.5	n.p.	calma	61.0	0.0	0.0
02:00	38.18	0.55	3.31	4.26	18.09	0.46	0.01	0.03	0.04	25.5	992.5	n.p.	calma	63.3	0.0	0.0
03:00	34.81	0.58	3.51	4.51	18.28	0.46	0.00	0.04	0.05	25.2	992.1	n.p.	calma	66.6	0.0	0.0
04:00	33.06	0.61	4.21	5.31	19.03	0.48	0.04	0.04	0.05	24.5	991.9	n.p.	calma	68.9	0.0	0.0
05:00	31.00	0.62	4.46	5.60	21.44	0.50	0.02	0.05	0.05	25.0	991.8	n.p.	calma	69.3	0.0	0.0
06:00	28.79	0.62	4.96	6.15	24.38	0.50	0.03	0.04	0.06	25.9	991.9	n.p.	calma	68.1	0.0	2.3
07:00	21.22	0.62	5.97	7.26	28.21	0.51	0.01	0.06	0.06	26.7	992.2	n.p.	calma	69.1	0.0	27.1
08:00	38.20	0.58	5.45	6.65	29.85	0.45	0.01	0.07	0.04	28.1	992.3	n.p.	calma	57.8	0.0	113.5
09:00	54.49	0.45	5.00	6.01	23.50	0.43	0.05	0.06	0.03	29.4	992.1	n.p.	calma	48.5	0.0	391.8
10:00	66.96	0.54	3.82	4.81	20.94	0.43	0.05	0.05	0.02	30.6	991.9	198	0.3	47.4	0.0	573.2
11:00	79.35	0.54	4.42	5.47	17.82	0.42	0.05	0.04	0.00	30.6	991.8	116	0.9	45.1	0.0	728.0
12:00	83.00	0.55	4.69	5.78	19.60	0.45	0.04	0.07	0.02	31.4	991.7	176	2.2	38.0	0.0	843.4
13:00	84.19	0.60	5.85	7.11	21.59	0.47	0.04	0.07	0.03	32.1	991.0	191	3.1	30.9	0.0	773.2
14:00	83.80	0.62	6.70	8.07	25.06	0.50	0.01	0.07	0.03	34.0	990.4	146	2.5	26.4	0.0	926.4
15:00	81.63	0.61	6.33	7.65	28.07	0.53	0.03	0.05	0.06	33.7	990.1	118	5.4	33.6	0.0	880.7
16:00	82.55	0.50	5.26	6.35	26.83	0.51	0.00	0.02	0.06	33.0	990.2	129	5.0	38.2	0.0	345.5
17:00	83.12	0.47	4.54	5.52	25.20	0.51	0.03	0.01	0.05	31.8	990.4	146	4.1	40.5	0.0	214.8
18:00	83.66	0.46	3.70	4.59	21.36	0.49	0.03	0.00	0.04	31.1	989.8	131	5.7	41.1	0.0	285.1
19:00	87.32	0.45	3.18	4.00	20.99	0.47	0.02	0.04	0.04	30.1	989.9	138	5.5	39.8	0.0	260.3
20:00	87.00	0.46	4.70	5.69	18.33	0.45	0.05	0.03	0.02	29.3	990.2	135	3.8	44.0	0.0	77.8
21:00	84.06	0.48	4.29	5.26	21.30	0.45	0.04	0.06	0.03	28.6	990.4	126	1.6	51.5	0.0	2.0
22:00	65.30	0.43	3.77	4.63	22.31	0.44	0.01	0.01	0.00	25.7	990.7	n.p.	calma	56.0	0.0	0.0
23:00	51.17	0.48	3.71	4.62	21.45	0.42	0.02	0.03	0.03	25.2	990.8	n.p.	calma	60.9	0.0	0.0
00:00	41.01	0.41	3.62	4.44	15.85	0.42	0.01	0.01	0.01	23.5	991.0	n.p.	calma	65.9	0.0	0.0

Mean	61.04	0.53	4.53	5.58	21.88	0.47	0.03	0.04	0.03	28.6	991.22		3.3	51.3	0.0	268.6
Min	21.22	0.41	3.18	4.00	15.72	0.42	0.00	0.00	0.00	23.5	989.76		0.3	26.4	0.0	0.0
Max	87.32	0.62	6.70	8.07	29.85	0.53	0.05	0.07	0.06	34.0	992.51		5.7	69.3	0.0	926.4

<b>PTS</b> µg/m³ 28.1
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
---

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.363
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi





**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 09 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	37.96	0.38	4.07	4.65	15.89	0.39	0.01	0.02	0.00	23.7	991.1	n.p.	calma	70.1	0.0	0.0
02:00	32.46	0.39	5.21	6.11	17.27	0.40	0.00	0.08	0.00	24.5	990.7	n.p.	calma	74.0	0.0	0.0
03:00	35.44	0.40	6.13	7.21	17.79	0.44	0.00	0.06	0.02	25.7	990.4	298	0.3	76.6	0.0	0.0
04:00	40.41	0.42	6.19	7.30	27.94	0.46	0.00	0.06	0.00	25.8	990.4	n.p.	calma	75.8	0.0	0.0
05:00	43.19	0.42	6.47	7.61	29.47	0.47	0.01	0.06	0.00	26.9	990.3	n.p.	calma	74.7	0.0	0.0
06:00	36.58	0.43	6.59	7.75	30.66	0.50	0.00	0.04	0.01	29.1	990.4	n.p.	calma	75.7	0.0	2.1
07:00	39.91	0.47	6.66	7.87	30.98	0.50	0.01	0.07	0.02	30.4	990.7	304	0.4	74.7	0.0	25.5
08:00	52.76	0.46	6.96	8.19	33.78	0.52	0.03	0.05	0.03	31.6	990.9	291	0.8	64.7	0.0	103.5
09:00	67.50	0.46	5.84	6.96	33.82	0.52	0.01	0.06	0.01	32.7	991.1	287	1.1	52.1	0.0	388.3
10:00	75.59	0.43	3.70	4.56	34.20	0.47	0.00	0.05	0.00	33.2	991.0	277	1.5	46.2	0.0	569.1
11:00	77.96	0.40	3.49	4.30	38.71	0.51	0.02	0.03	0.01	33.3	990.7	279	0.7	40.6	0.0	723.2
12:00	80.07	0.43	4.09	4.99	38.38	0.50	0.03	0.02	0.02	33.6	990.4	145	0.6	35.3	0.0	841.3
13:00	81.65	0.48	4.89	5.93	35.29	0.47	0.04	0.01	0.02	33.7	990.0	247	1.2	32.8	0.0	771.3
14:00	84.72	0.53	6.25	7.49	23.09	0.39	0.04	0.05	0.00	34.3	989.6	235	1.5	31.5	0.0	896.4
15:00	82.82	0.56	6.21	7.48	18.50	0.42	0.03	0.05	0.01	34.3	989.1	325	0.3	29.2	0.0	644.8
16:00	83.80	0.56	5.99	7.23	18.46	0.44	0.01	0.05	0.00	34.2	988.8	250	1.7	28.7	0.0	855.7
17:00	93.81	0.55	5.68	6.88	16.48	0.53	0.02	0.04	0.01	31.2	988.6	17	4.3	31.4	0.0	720.1
18:00	97.81	0.41	4.32	5.22	21.36	0.54	0.01	0.01	0.01	30.5	988.7	30	4.2	36.6	0.0	415.1
19:00	95.56	0.41	5.92	6.99	24.54	0.55	0.02	0.04	0.00	30.0	988.9	38	3.1	36.2	0.0	257.5
20:00	95.71	0.46	6.90	8.13	25.08	0.52	0.00	0.07	0.02	28.4	989.4	42	2.6	37.8	0.0	72.5
21:00	83.33	0.56	6.88	8.22	26.78	0.51	0.00	0.06	0.02	26.0	989.9	37	1.1	41.2	0.0	1.6
22:00	74.43	0.56	4.88	6.01	24.62	0.48	0.01	0.05	0.00	25.2	990.4	23	0.4	45.8	0.0	0.0
23:00	66.95	0.51	4.08	5.07	19.26	0.47	0.00	0.03	0.01	24.0	990.6	19	0.3	49.4	0.0	0.0
00:00	56.31	0.40	3.64	4.46	16.62	0.46	0.02	0.05	0.01	23.6	990.7	n.p.	calma	55.1	0.0	0.0

Mean	67.36	0.46	5.46	6.52	25.79	0.48	0.01	0.05	0.01	29.4	990.10		1.5	50.7	0.0	303.7
Min	32.46	0.38	3.49	4.30	15.89	0.39	0.00	0.01	0.00	23.6	988.55		0.3	28.7	0.0	0.0
Max	97.81	0.56	6.96	8.22	38.71	0.55	0.04	0.08	0.03	34.3	991.07		4.3	76.6	0.0	896.4

<b>PTS</b> µg/m³ 20.6
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.365
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 10 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	44.24	0.37	4.16	5.13	19.62	0.47	0.02	0.04	0.00	24.1	990.6	n.p.	calma	59.2	0.0	0.0
02:00	41.34	0.40	4.83	5.92	23.87	0.46	0.01	0.06	0.00	25.0	990.4	n.p.	calma	63.3	0.0	0.0
03:00	33.38	0.42	5.04	6.18	25.18	0.39	0.00	0.04	0.00	26.1	990.3	n.p.	calma	66.6	0.0	0.0
04:00	37.09	0.47	5.13	6.34	32.32	0.39	0.00	0.04	0.02	28.2	990.4	n.p.	calma	69.0	0.0	0.0
05:00	32.30	0.48	5.23	6.47	35.23	0.42	0.02	0.09	0.03	28.9	990.4	n.p.	calma	72.0	0.0	0.0
06:00	25.63	0.49	5.29	6.55	28.56	0.43	0.04	0.09	0.02	29.5	990.4	n.p.	calma	73.7	0.0	1.9
07:00	28.43	0.49	5.87	7.20	25.22	0.43	0.03	0.05	0.01	30.5	990.3	n.p.	calma	74.9	0.0	25.1
08:00	41.39	0.42	5.69	6.92	23.37	0.45	0.04	0.09	0.02	30.7	990.3	n.p.	calma	68.3	0.0	98.1
09:00	57.85	0.37	4.97	6.05	19.37	0.47	0.05	0.09	0.01	31.2	990.2	n.p.	calma	55.6	0.0	382.1
10:00	67.53	0.40	4.83	5.92	20.39	0.48	0.03	0.07	0.00	33.0	989.9	252	0.4	46.5	0.0	562.4
11:00	77.42	0.42	4.90	6.03	20.75	0.49	0.02	0.04	0.00	33.1	989.8	262	1.5	36.6	0.0	721.9
12:00	80.10	0.46	4.90	6.07	21.99	0.49	0.02	0.01	0.01	33.5	989.5	234	1.0	34.3	0.0	837.3
13:00	80.80	0.47	5.27	6.50	25.53	0.51	0.02	0.03	0.02	33.7	989.0	249	1.5	31.4	0.0	759.1
14:00	82.20	0.47	5.38	6.63	25.90	0.49	0.00	0.05	0.03	33.8	988.3	241	2.6	28.6	0.0	934.6
15:00	83.10	0.47	5.93	7.25	29.02	0.49	0.03	0.06	0.02	33.8	987.7	301	2.5	26.4	0.0	911.2
16:00	90.06	0.45	5.11	6.30	33.99	0.47	0.02	0.02	0.01	33.1	987.2	294	3.3	27.1	0.0	552.0
17:00	94.90	0.36	4.48	5.48	31.38	0.39	0.02	0.06	0.02	32.8	987.0	287	2.9	26.6	0.0	593.5
18:00	82.17	0.36	4.24	5.21	30.25	0.39	0.02	0.09	0.02	32.6	987.0	121	4.7	37.1	0.0	283.7
19:00	78.94	0.38	5.61	6.78	29.78	0.45	0.01	0.11	0.01	32.3	987.0	127	4.5	41.0	0.0	209.8
20:00	79.27	0.49	5.93	7.27	29.06	0.46	0.04	0.08	0.02	31.3	987.5	139	2.9	45.4	0.0	59.9
21:00	75.51	0.47	5.29	6.52	25.33	0.44	0.05	0.07	0.00	30.1	987.9	143	0.4	44.9	0.0	1.6
22:00	58.83	0.43	5.24	6.42	23.42	0.42	0.05	0.04	0.03	26.5	988.5	n.p.	calma	50.7	0.0	0.0
23:00	67.75	0.43	5.16	6.33	19.77	0.45	0.06	0.02	0.01	25.9	988.7	299	1.3	50.5	0.0	0.0
00:00	63.37	0.36	5.15	6.24	18.45	0.41	0.03	0.03	0.01	25.4	989.0	289.0	2.1	53.1	0.0	0.0

Mean	62.65	0.43	5.15	6.32	25.74	0.45	0.03	0.06	0.01	30.2	989.05		0.0	49.3	0.0	288.9
Min	25.63	0.36	4.16	5.13	18.45	0.39	0.00	0.01	0.00	24.1	986.97		0.4	26.4	0.0	0.0
Max	94.90	0.49	5.93	7.27	35.23	0.51	0.06	0.11	0.03	33.8	990.57		4.7	74.9	0.0	934.6

<b>PTS</b> µg/m³
33.1

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.445
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 11 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	61.48	0.42	5.36	6.38	21.79	0.40	0.03	0.02	0.01	25.3	989.1	291.0	2.0	55.0	0.0	0.0
02:00	68.53	0.44	6.24	7.37	25.13	0.40	0.02	0.01	0.00	24.2	989.1	290	1.4	62.9	0.0	0.0
03:00	62.63	0.51	6.82	8.09	26.88	0.42	0.00	0.01	0.00	23.7	989.0	303	0.6	67.8	0.0	0.0
04:00	57.81	0.53	7.33	8.67	27.02	0.44	0.01	0.02	0.01	22.8	988.6	285	0.4	66.7	0.0	0.0
05:00	54.74	0.55	6.84	8.15	29.62	0.45	0.00	0.05	0.02	20.5	988.4	279	0.3	70.1	0.0	0.0
06:00	42.91	0.59	6.33	7.64	30.47	0.49	0.01	0.04	0.04	21.2	988.4	291	0.4	72.0	0.0	1.7
07:00	39.86	0.59	5.23	6.42	32.72	0.50	0.01	0.06	0.02	23.1	988.4	284	0.7	72.2	0.0	31.6
08:00	49.07	0.58	5.56	6.77	34.80	0.53	0.00	0.07	0.03	25.7	988.6	284	1.5	64.3	0.0	108.6
09:00	58.89	0.40	6.43	7.54	37.45	0.47	0.01	0.08	0.01	26.0	988.6	287	2.7	57.6	0.0	376.8
10:00	69.61	0.23	7.15	8.14	35.12	0.41	0.03	0.05	0.00	26.3	988.5	280	2.0	46.3	0.0	556.1
11:00	68.70	0.32	8.29	9.50	26.38	0.43	0.03	0.07	0.01	26.7	988.1	272	1.9	42.3	0.0	731.5
12:00	72.40	0.42	6.91	8.09	20.75	0.44	0.02	0.06	0.03	26.7	987.9	304	1.5	39.8	0.0	425.3
13:00	80.89	0.45	6.46	7.62	22.84	0.45	0.02	0.03	0.04	26.8	987.7	6	2.4	41.5	0.0	510.9
14:00	76.58	0.49	4.95	6.00	27.59	0.49	0.03	0.05	0.04	34.4	987.2	351	2.9	40.9	0.0	769.3
15:00	79.13	0.48	4.31	5.29	33.20	0.49	0.02	0.01	0.03	33.9	986.7	17	3.7	40.8	0.0	636.6
16:00	78.90	0.44	4.00	4.90	29.35	0.47	0.04	0.02	0.02	33.2	986.4	12	4.4	39.4	0.0	569.5
17:00	80.95	0.40	4.45	5.35	27.65	0.44	0.02	0.01	0.01	33.2	986.1	8	4.6	40.7	0.0	523.2
18:00	83.02	0.39	4.61	5.52	27.49	0.42	0.01	0.02	0.02	30.9	986.2	15	4.7	41.8	0.0	419.5
19:00	81.76	0.37	4.63	5.52	27.06	0.46	0.01	0.05	0.01	28.9	986.3	11	4.3	43.5	0.0	121.8
20:00	77.73	0.36	5.16	6.09	30.70	0.47	0.00	0.05	0.03	27.6	986.9	12	1.6	43.4	0.0	26.3
21:00	69.11	0.32	8.94	10.22	29.93	0.53	0.00	0.05	0.01	24.8	987.2	352	0.4	44.8	0.0	0.4
22:00	52.70	0.28	9.00	10.24	27.92	0.45	0.01	0.02	0.02	22.9	987.7	n.p.	calma	50.2	0.0	0.0
23:00	47.24	0.28	6.40	7.37	22.04	0.44	0.02	0.03	0.01	20.7	987.7	n.p.	calma	55.9	0.0	0.0
00:00	47.42	0.26	8.61	9.79	20.65	0.41	0.01	0.02	0.00	19.6	987.6	n.p.	calma	58.4	0.0	0.0

Mean	65.09	0.42	6.25	7.36	28.11	0.45	0.02	0.04	0.02	26.2	987.76		2.1	52.4	0.0	242.0
Min	39.86	0.23	4.00	4.90	20.65	0.40	0.00	0.01	0.00	19.6	986.12		0.3	39.4	0.0	0.0
Max	83.02	0.59	9.00	10.24	37.45	0.53	0.04	0.08	0.04	34.4	989.13		4.7	72.2	0.0	769.3

<b>PTS</b>
µg/m³
26.6

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.435
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
 Via Rossini, 16  
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 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 12 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	37.41	0.21	8.95	10.17	26.45	0.42	0.01	0.02	0.00	19.5	987.5	n.p.	calma	62.2	0.0	0.0
02:00	36.99	0.25	8.41	9.61	28.73	0.41	0.03	0.02	0.00	20.3	987.0	n.p.	calma	64.1	0.0	0.0
03:00	40.93	0.33	6.85	7.97	29.25	0.36	0.01	0.02	0.00	22.6	986.6	n.p.	calma	66.1	0.0	0.0
04:00	47.15	0.38	5.73	6.78	29.31	0.30	0.00	0.03	0.01	23.1	986.2	n.p.	calma	64.9	0.0	0.0
05:00	43.69	0.41	5.42	6.47	32.91	0.24	0.00	0.06	0.00	25.2	986.2	n.p.	calma	65.9	0.0	0.0
06:00	33.71	0.56	5.97	7.25	33.47	0.25	0.01	0.03	0.00	25.5	986.3	n.p.	calma	69.9	0.0	1.4
07:00	35.25	0.77	7.18	8.83	34.13	0.25	0.03	0.03	0.01	26.7	986.4	n.p.	calma	71.8	0.0	23.8
08:00	40.74	1.46	6.10	8.39	26.69	0.25	0.04	0.03	0.01	27.5	986.3	n.p.	calma	66.3	0.0	83.7
09:00	60.43	0.41	5.48	6.54	25.87	0.23	0.04	0.01	0.00	27.7	986.1	n.p.	calma	53.4	0.0	379.7
10:00	67.06	0.39	4.96	5.94	16.78	0.22	0.04	0.03	0.00	28.6	985.8	191	0.4	47.0	0.0	560.2
11:00	69.95	0.53	3.54	4.52	23.61	0.22	0.03	0.02	0.00	32.6	985.8	123	0.4	44.7	0.0	712.4
12:00	71.86	0.87	4.03	5.44	24.47	0.23	0.01	0.05	0.02	34.4	985.4	151	0.8	39.9	0.0	825.7
13:00	74.34	0.91	5.18	6.76	26.69	0.23	0.00	0.08	0.03	35.1	984.8	198	1.4	35.1	0.0	737.0
14:00	75.10	1.04	5.20	6.93	37.15	0.28	0.01	0.09	0.00	35.6	984.1	156	1.9	34.9	0.0	905.1
15:00	75.33	0.89	5.85	7.48	33.48	0.28	0.03	0.07	0.02	35.3	983.4	128	2.7	34.3	0.0	853.6
16:00	76.82	1.07	6.57	8.48	20.79	0.28	0.01	0.07	0.03	34.2	982.8	127	4.5	35.8	0.0	675.8
17:00	76.84	1.12	6.53	8.49	16.70	0.26	0.04	0.05	0.03	34.2	982.4	138	5.5	34.2	0.0	619.9
18:00	78.01	0.95	5.60	7.27	16.48	0.25	0.03	0.05	0.01	34.0	982.3	135	6.0	36.4	0.0	426.0
19:00	77.62	0.21	4.37	5.08	22.47	0.24	0.01	0.05	0.01	30.8	982.6	143	5.7	44.7	0.0	176.0
20:00	76.92	0.11	4.30	4.90	25.37	0.23	0.04	0.02	0.03	25.9	983.1	131	4.8	48.6	0.0	48.5
21:00	74.24	0.25	5.85	6.77	27.14	0.24	0.02	0.02	0.01	23.4	983.2	120	3.2	51.8	0.0	0.3
22:00	70.79	0.25	5.71	6.62	25.84	0.24	0.02	0.04	0.00	22.4	983.5	129	2.3	57.7	0.0	0.0
23:00	54.78	0.31	5.39	6.33	23.17	0.24	0.02	0.03	0.00	21.8	984.1	273	0.4	62.6	0.0	0.0
00:00	42.69	0.39	4.17	5.06	19.28	0.23	0.01	0.03	0.01	20.4	984.1	313.0	0.3	65.2	0.0	0.0

Mean	59.94	0.59	5.72	7.00	26.09	0.27	0.02	0.04	0.01	27.8	984.83		2.7	52.4	0.0	292.9
Min	33.71	0.11	3.54	4.52	16.48	0.22	0.00	0.01	0.00	19.5	982.28		0.3	34.2	0.0	0.0
Max	78.01	1.46	8.95	10.17	37.15	0.42	0.04	0.09	0.03	35.6	987.46		6.0	71.8	0.0	905.1

<b>PTS</b> µg/m³ 25.9
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.449
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 13 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	34.13	0.35	4.28	5.11	18.16	0.25	0.01	0.02	0.00	20.6	984.3	313.0	0.3	68.5	0.0	0.0
02:00	36.42	0.41	4.27	5.16	21.61	0.26	0.00	0.01	0.00	21.1	984.1	283	0.4	70.3	0.0	0.0
03:00	41.15	0.59	5.24	6.43	23.42	0.26	0.01	0.02	0.00	22.3	984.2	283	0.9	71.7	0.0	0.0
04:00	46.13	0.45	4.86	5.86	27.07	0.24	0.00	0.01	0.01	24.8	984.0	283	0.6	73.0	0.0	0.0
05:00	43.80	0.36	3.94	4.74	29.17	0.24	0.01	0.02	0.03	25.7	983.9	272	0.5	75.0	0.0	0.0
06:00	34.02	0.30	3.66	4.37	26.78	0.24	0.02	0.01	0.03	27.2	984.1	n.p.	calma	76.0	0.0	0.9
07:00	28.20	0.37	3.20	3.94	20.73	0.26	0.05	0.03	0.01	28.5	984.6	n.p.	calma	77.2	0.0	19.9
08:00	46.05	0.52	3.54	4.48	20.25	0.27	0.04	0.08	0.01	28.8	985.0	n.p.	calma	70.5	0.0	98.0
09:00	58.84	0.55	5.55	6.73	17.56	0.28	0.02	0.10	0.00	29.9	985.2	n.p.	calma	59.8	0.0	316.2
10:00	63.45	0.70	5.93	7.31	19.46	0.27	0.01	0.10	0.01	30.1	985.2	231	1.7	50.2	0.0	564.7
11:00	62.85	0.71	6.25	7.68	19.79	0.27	0.01	0.13	0.02	30.4	985.2	245	1.6	47.6	0.0	672.9
12:00	62.29	0.76	6.76	8.30	23.21	0.27	0.03	0.09	0.01	30.8	985.2	202	2.7	44.4	0.0	806.7
13:00	61.68	0.69	6.92	8.40	28.88	0.27	0.01	0.06	0.00	32.2	985.0	201	1.5	40.1	0.0	790.7
14:00	58.45	0.50	5.15	6.23	31.71	0.28	0.02	0.04	0.01	33.1	984.6	263	2.8	37.4	0.0	811.6
15:00	60.81	0.54	4.58	5.65	31.42	0.31	0.03	0.02	0.00	32.2	984.3	277	2.9	35.6	0.0	680.6
16:00	66.36	0.54	3.63	4.60	29.47	0.31	0.02	0.02	0.01	32.1	984.1	124	3.9	40.3	0.0	349.2
17:00	66.27	0.66	3.61	4.71	28.50	0.28	0.01	0.04	0.02	29.1	984.1	127	4.7	43.8	0.0	196.6
18:00	65.81	0.51	3.27	4.17	17.15	0.30	0.04	0.06	0.02	27.5	984.0	133	4.7	50.4	0.0	104.0
19:00	62.47	0.51	3.83	4.79	17.12	0.30	0.05	0.07	0.03	27.4	984.3	119	4.1	56.9	0.0	76.9
20:00	59.77	0.57	5.23	6.40	21.09	0.30	0.02	0.07	0.01	26.8	985.0	192	1.5	57.4	0.0	33.7
21:00	53.57	0.51	4.94	6.01	22.29	0.30	0.00	0.06	0.02	25.5	985.5	308	0.5	53.0	0.0	0.7
22:00	47.08	0.51	4.12	5.11	23.59	0.28	0.01	0.02	0.00	22.0	986.0	316	0.4	53.8	0.0	0.0
23:00	44.49	0.45	3.73	4.61	24.60	0.26	0.01	0.03	0.01	21.8	986.3	288	0.9	56.5	0.0	0.0
00:00	47.01	0.40	3.45	4.25	22.43	0.26	0.00	0.01	0.00	20.1	986.6	256.0	0.5	60.1	0.0	0.0

Mean	52.13	0.52	4.58	5.63	23.56	0.27	0.02	0.05	0.01	27.1	984.77		1.8	57.1	0.0	230.1
Min	28.20	0.30	3.20	3.94	17.12	0.24	0.00	0.01	0.00	20.1	983.89		0.3	35.6	0.0	0.0
Max	66.36	0.76	6.92	8.40	31.71	0.31	0.05	0.13	0.03	33.1	986.57		4.7	77.2	0.0	811.6

<b>PTS</b> µg/m³
23.2

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.465
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 14 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	39.01	0.37	3.82	4.62	21.88	0.27	0.00	0.00	0.00	20.6	986.6	274.0	0.4	62.1	0.0	0.0
02:00	31.36	0.59	4.00	5.06	22.66	0.28	0.00	0.02	0.01	21.4	986.6	285	0.3	66.1	0.0	0.0
03:00	22.01	0.60	4.08	5.16	29.48	0.27	0.01	0.02	0.00	22.5	986.5	n.p.	calma	69.3	0.0	0.0
04:00	26.69	0.74	4.12	5.36	22.19	0.27	0.02	0.03	0.00	24.7	986.3	n.p.	calma	71.7	0.0	0.0
05:00	28.80	0.76	4.81	6.14	21.42	0.27	0.02	0.05	0.00	25.6	986.2	318	0.3	72.9	0.0	0.0
06:00	22.38	0.76	5.39	6.78	17.19	0.28	0.04	0.04	0.01	26.5	986.4	n.p.	calma	76.2	0.0	1.0
07:00	22.87	0.79	7.09	8.69	16.88	0.28	0.04	0.02	0.03	29.0	986.7	287	0.3	77.4	0.0	20.9
08:00	30.15	0.63	6.43	7.78	16.85	0.31	0.05	0.05	0.02	30.9	986.8	n.p.	calma	73.0	0.0	74.3
09:00	45.25	0.52	5.83	7.00	17.92	0.28	0.05	0.07	0.01	33.2	986.9	n.p.	calma	60.3	0.0	381.3
10:00	45.97	0.42	4.30	5.20	18.44	0.27	0.03	0.08	0.01	34.7	986.8	165	0.4	52.1	0.0	563.4
11:00	50.96	0.39	4.11	4.96	18.64	0.27	0.03	0.06	0.02	36.5	986.9	182	0.6	44.8	0.0	716.7
12:00	53.01	0.56	4.29	5.35	19.35	0.26	0.01	0.04	0.03	37.1	986.9	103	1.1	39.1	0.0	829.9
13:00	57.08	0.63	4.41	5.56	20.26	0.28	0.00	0.05	0.00	37.9	986.7	129	2.8	38.0	0.0	738.5
14:00	58.49	0.64	5.05	6.27	26.47	0.30	0.00	0.08	0.01	38.6	986.3	121	4.5	36.5	0.0	904.5
15:00	58.81	0.76	6.14	7.61	31.77	0.34	0	0.08	0.01	37.7	986.1	143	4.5	37.7	0.0	858.9
16:00	59.48	0.74	6.02	7.45	25.57	0.34	0.01	0.06	0.02	36.5	985.9	134	4.6	40.2	0.0	760.7
17:00	56.97	0.69	5.78	7.13	25.46	0.33	0.02	0.09	0.01	34.2	985.8	127	5.8	41.2	0.0	619.0
18:00	57.43	0.61	5.48	6.71	17.65	0.31	0.05	0.07	0.02	33.0	985.7	126	5.6	43.6	0.0	445.3
19:00	59.06	0.53	5.34	6.47	20.01	0.30	0.05	0.07	0.02	30.8	985.9	124	5.1	47.4	0.0	251.5
20:00	58.37	0.51	4.99	6.06	22.36	0.30	0.05	0.08	0.00	29.6	986.4	121	4.4	57.1	0.0	64.9
21:00	52.84	0.44	4.38	5.31	25.75	0.30	0.05	0.04	0.00	27.9	986.9	127	3.0	67.7	0.0	0.7
22:00	47.11	0.51	5.49	6.62	26.83	0.30	0.04	0.01	0.02	25.4	987.4	125	1.9	75.7	0.0	0.0
23:00	42.11	0.37	5.08	6.01	22.56	0.30	0.02	0.02	0.01	24.9	987.4	133	0.5	78.9	0.0	0.0
00:00	32.63	0.36	5.01	5.92	18.96	0.33	0.00	0.02	0.01	23.1	987.4	n.p.	calma	81.4	0.0	0.0

Mean	44.12	0.58	5.06	6.22	21.94	0.29	0.02	0.05	0.01	30.1	986.55		2.6	58.8	0.0	301.3
Min	22.01	0.36	3.82	4.62	16.85	0.26	0.00	0.00	0.00	20.6	985.68		0.3	36.5	0.0	0.0
Max	59.48	0.79	7.09	8.69	31.77	0.34	0.05	0.09	0.03	38.6	987.44		5.8	81.4	0.0	904.5

<b>PTS</b> µg/m³ 28.8
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.448
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 15 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	27.52	0.41	4.62	5.60	19.08	0.31	0.00	0.02	0.01	23.5	987.2	n.p.	calma	81.1	0.0	0.0
02:00	20.45	0.49	4.43	5.48	21.95	0.30	0.00	0.02	0.00	24.7	987.0	n.p.	calma	84.1	0.0	0.0
03:00	17.36	0.54	5.68	6.93	27.76	0.30	0.02	0.05	0.00	24.8	986.7	n.p.	calma	86.1	0.0	0.0
04:00	17.96	0.68	5.16	6.50	33.77	0.29	0.03	0.04	0.01	25.9	986.4	n.p.	calma	87.0	0.0	0.0
05:00	24.64	0.76	4.86	6.26	30.15	0.29	0.04	0.09	0.00	26.2	986.3	n.p.	calma	86.0	0.0	0.0
06:00	30.38	0.65	7.96	9.59	20.63	0.29	0.02	0.08	0.00	28.3	986.4	n.p.	calma	88.2	0.0	0.7
07:00	27.41	0.56	8.51	10.10	20.59	0.30	0.02	0.03	0.00	29.6	986.4	n.p.	calma	88.6	0.0	33.6
08:00	36.69	0.88	9.03	11.03	18.98	0.32	0.01	0.04	0.02	31.2	986.5	n.p.	calma	85.6	0.0	128.3
09:00	46.02	0.57	8.13	9.69	20.75	0.29	0.03	0.04	0.00	32.7	986.5	127	1.1	81.0	0.0	388.1
10:00	43.57	0.69	7.74	9.39	20.88	0.30	0.04	0.05	0.01	32.9	986.2	140	0.9	71.3	0.0	556.6
11:00	47.40	0.81	7.02	8.72	23.68	0.29	0.06	0.06	0.03	34.1	985.9	138	2.2	62.2	0.0	713.8
12:00	50.48	0.94	5.64	7.33	31.15	0.30	0.05	0.07	0.03	35.9	985.4	146	2.9	51.4	0.0	829.0
13:00	57.18	0.84	5.22	6.75	31.37	0.31	0.05	0.07	0.01	37.1	985.0	139	3.6	46.7	0.0	748.0
14:00	57.89	0.64	5.93	7.32	32.48	0.35	0.06	0.06	0.02	38.8	984.4	124	5.4	46.7	0.0	905.2
15:00	55.78	0.59	6.35	7.73	34.07	0.37	0.01	0.09	0.01	38.3	984.3	116	6.5	50.3	0.0	857.1
16:00	53.94	0.44	8.42	9.87	34.03	0.34	0.01	0.05	0.02	36.6	983.8	124	6.6	54.1	0.0	758.3
17:00	54.69	0.31	7.52	8.72	29.52	0.33	0.00	0.02	0.03	35.8	983.7	127	6.7	56.0	0.0	605.3
18:00	59.14	0.35	6.30	7.40	23.18	0.30	0.00	0.01	0.01	33.8	983.4	124	6.6	59.3	0.0	438.1
19:00	60.08	0.48	6.69	7.98	28.55	0.29	0.02	0.03	0.03	31.3	983.3	124	5.9	66.1	0.0	233.6
20:00	57.25	0.61	7.51	9.04	34.29	0.26	0.01	0.08	0.02	29.2	983.4	131	5.1	72.3	0.0	55.4
21:00	54.27	0.68	6.25	7.72	29.62	0.24	0.00	0.04	0.01	28.4	983.5	129	3.1	76.5	0.0	0.1
22:00	51.52	0.96	6.05	7.81	28.57	0.26	0.02	0.03	0.00	27.1	983.1	131	3.7	80.2	0.0	0.0
23:00	52.81	0.84	5.86	7.46	23.08	0.28	0.01	0.01	0.00	25.9	983.0	132	4.3	81.8	0.0	0.0
00:00	49.72	0.73	4.65	5.99	19.61	0.29	0.03	0.03	0.00	24.0	983.7	139.0	1.6	84.2	0.0	0.0

Mean	43.92	0.64	6.48	7.93	26.57	0.30	0.02	0.05	0.01	30.7	985.06		4.1	71.9	0.0	302.1
Min	17.36	0.31	4.43	5.48	18.98	0.24	0.00	0.01	0.00	23.5	982.96		0.9	46.7	0.0	0.0
Max	60.08	0.96	9.03	11.03	34.29	0.37	0.06	0.09	0.03	38.8	987.15		6.7	88.6	0.0	905.2

<b>PTS</b> µg/m³
24.3

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.425
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 16 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	52.03	0.63	4.47	5.77	19.62	0.31	0.02	0.03	0.00	24.3	983.2	154.0	0.4	85.9	0.0	0.0
02:00	42.93	0.55	4.53	5.75	20.03	0.35	0.02	0.03	0.00	25.1	983.0	n.p.	calma	87.5	0.4	0.0
03:00	39.88	0.42	4.96	6.09	20.32	0.32	0.01	0.05	0.01	26.9	984.1	25	0.8	87.9	9.4	0.0
04:00	41.98	0.34	5.45	6.56	21.29	0.34	0.02	0.05	0.03	27.3	983.5	171	1.2	91.0	0.2	0.0
05:00	39.92	0.35	6.66	7.94	22.64	0.32	0.02	0.03	0.02	28.9	982.5	n.p.	calma	89.9	0.0	0.0
06:00	29.15	0.37	7.17	8.54	23.76	0.31	0.02	0.01	0.02	30.2	982.5	n.p.	calma	91.8	0.0	0.0
07:00	26.81	0.42	7.72	9.22	25.12	0.32	0.03	0.02	0.01	32.5	982.9	n.p.	calma	92.1	0.0	8.8
08:00	28.37	0.43	7.56	9.87	27.01	0.35	0.03	0.05	0.00	34.7	983.1	274	0.4	91.0	0.0	86.4
09:00	42.75	0.43	7.63	10.27	27.19	0.30	0.01	0.06	0.00	36.2	982.9	281	0.6	81.2	0.0	322.6
10:00	56.42	0.48	7.82	10.69	24.56	0.29	0.01	0.08	0.01	38.1	983.3	207	0.4	69.4	0.0	431.6
11:00	56.35	0.51	8.32	11.14	20.56	0.26	0.02	0.07	0.02	39.0	983.2	209	0.6	62.6	0.0	612.8
12:00	60.35	0.52	8.78	11.67	26.57	0.30	0.02	0.08	0.02	39.2	983.1	274	1.0	58.1	0.0	556.1
13:00	60.66	0.54	9.11	11.60	28.08	0.33	0.01	0.10	0.03	39.8	982.8	139	0.8	50.8	0.0	775.5
14:00	64.77	0.57	8.82	11.76	28.52	0.38	0.01	0.08	0.05	40.7	982.0	122	2.1	46.6	0.0	722.3
15:00	68.86	0.60	9.26	12.30	29.66	0.41	0.02	0.07	0.04	39.8	981.6	191	1.1	48.7	0.0	295.8
16:00	59.36	0.62	9.49	12.59	24.24	0.39	0.02	0.08	0.01	37.6	981.2	254	4.1	50.1	0.0	314.8
17:00	59.50	0.61	9.41	12.48	24.22	0.35	0.01	0.08	0.00	35.4	981.1	255	5.3	47.4	0.0	540.9
18:00	62.81	0.60	8.83	11.92	20.14	0.32	0.01	0.07	0.01	33.2	981.2	272	5.0	49.1	0.0	291.0
19:00	66.15	0.54	7.78	10.55	23.74	0.30	0.01	0.07	0.02	31.3	981.4	265	4.6	50.5	0.0	79.3
20:00	68.07	0.52	7.40	10.11	24.78	0.32	0.00	0.05	0.02	29.5	981.5	273	3.8	55.8	0.0	15.4
21:00	65.16	0.48	6.90	9.49	29.46	0.34	0.00	0.04	0.01	26.3	981.8	292	1.6	63.5	0.0	0.0
22:00	58.72	0.42	6.17	8.60	29.81	0.38	0.01	0.03	0.00	25.6	982.7	292	0.9	67.7	0.0	0.0
23:00	55.46	0.40	5.94	8.32	29.73	0.35	0.01	0.05	0.01	25.0	983.0	298	0.7	67.7	0.0	0.0
00:00	67.05	0.39	4.89	5.98	28.83	0.33	0.00	0.01	0.02	24.7	983.2	288.0	2.1	67.7	0.0	0.0

Mean	53.06	0.49	7.29	9.55	25.00	0.33	0.01	0.05	0.02	32.1	982.53		1.9	68.9	0.4	210.6
Min	26.81	0.34	4.47	5.75	19.62	0.26	0.00	0.01	0.00	24.3	981.09		0.4	46.6	0.0	0.0
Max	68.86	0.63	9.49	12.59	29.81	0.41	0.03	0.10	0.05	40.7	984.11		5.3	92.1	9.4	775.5

<b>PTS</b> µg/m³
30.2

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.466
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi





**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 17 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	63.86	0.38	4.52	5.49	29.62	0.34	0.00	0.03	0.00	25.3	983.5	297.0	2.4	71.8	0.0	0.0
02:00	62.15	0.43	4.23	5.22	25.63	0.36	0.01	0.03	0.01	26.0	983.3	308	1.8	75.4	0.0	0.0
03:00	57.19	0.44	4.36	5.38	21.87	0.32	0.02	0.03	0.02	27.4	983.3	309	0.8	77.6	0.0	0.0
04:00	58.35	0.48	4.69	5.79	21.76	0.35	0.03	0.06	0.01	27.9	983.4	306	1.8	77.1	0.0	0.0
05:00	53.62	0.58	4.71	5.93	17.97	0.34	0.03	0.04	0.02	29.2	983.2	304	1.3	78.1	0.0	0.0
06:00	41.81	0.60	5.27	6.58	16.45	0.36	0.04	0.02	0.03	29.2	983.4	328	0.5	80.7	0.0	0.7
07:00	35.07	0.63	4.02	5.21	17.58	0.34	0.05	0.07	0.01	30.0	983.8	n.p.	calma	82.9	0.0	19.2
08:00	59.53	0.51	2.39	3.25	18.59	0.36	0.04	0.09	0.02	31.6	984.0	n.p.	calma	71.3	0.0	68.2
09:00	68.92	0.39	2.30	3.01	19.20	0.39	0.03	0.08	0.00	32.2	983.7	260	3.0	64.1	0.0	384.8
10:00	71.95	0.32	2.28	2.91	20.03	0.36	0.02	0.07	0.00	34.5	984.1	255	3.6	56.5	0.0	571.0
11:00	77.42	0.43	3.30	4.18	23.80	0.35	0.04	0.07	0.02	35.8	984.2	265	4.9	48.7	0.0	617.4
12:00	78.43	0.46	3.43	4.36	29.02	0.42	0.06	0.09	0.01	37.2	984.3	252	4.0	47.3	0.0	753.4
13:00	78.41	0.49	3.49	4.46	29.49	0.41	0.06	0.10	0.03	39.4	984.0	268	3.4	43.9	0.0	619.2
14:00	76.54	0.51	3.58	4.58	29.71	0.38	0.03	0.11	0.01	40.5	983.6	257	4.2	40.2	0.0	888.6
15:00	75.90	0.59	5.46	6.78	30.61	0.35	0.04	0.08	0.00	41.7	983.6	251	5.8	36.5	0.0	897.0
16:00	75.27	0.54	6.13	7.47	30.08	0.32	0.04	0.07	0.00	39.3	983.4	265	5.4	33.4	0.0	793.7
17:00	79.19	0.43	5.52	6.67	22.30	0.33	0.02	0.05	0.02	37.6	983.3	266	5.4	32.9	0.0	550.5
18:00	75.70	0.39	5.15	6.21	17.90	0.34	0.03	0.02	0.04	35.5	983.6	272	5.2	33.1	0.0	461.7
19:00	70.81	0.36	3.75	4.60	20.57	0.37	0.06	0.04	0.03	33.2	984.1	269	5.4	38.1	0.0	254.6
20:00	66.62	0.41	2.96	3.78	25.23	0.34	0.02	0.08	0.01	31.5	984.8	274	3.3	41.6	0.0	63.4
21:00	66.03	0.37	3.33	4.15	29.36	0.35	0.02	0.11	0.00	31.3	985.6	278	2.5	48.0	0.0	0.4
22:00	52.41	0.45	5.10	6.22	23.18	0.37	0.03	0.07	0.00	30.1	986.3	292	0.5	54.0	0.0	0.0
23:00	45.09	0.41	4.75	5.78	22.09	0.36	0.02	0.03	0.02	29.8	986.3	n.p.	calma	60.0	0.0	0.0
00:00	47.42	0.39	3.49	4.35	21.28	0.31	0.01	0.02	0.01	28.4	986.2	n.p.	calma	63.7	0.0	0.0

Mean	64.07	0.46	4.09	5.10	23.47	0.35	0.03	0.06	0.01	32.7	984.12		3.3	56.5	0.0	289.3
Min	35.07	0.32	2.28	2.91	16.45	0.31	0.00	0.02	0.00	25.3	983.17		0.5	32.9	0.0	0.0
Max	79.19	0.63	6.13	7.47	30.61	0.42	0.06	0.11	0.04	41.7	986.25		5.8	82.9	0.0	897.0

<b>PTS</b>
µg/m³
34

<b>Benzo(a)pirene</b>
ng/m³
< 0.181

<b>Sommatoria IPA</b>
ng/m³
< 0.181

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.403
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 18 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	40.83	0.40	3.32	4.21	20.76	0.34	0.01	0.02	0.00	28.6	986.4	n.p.	calma	68.1	0.0	0.0
02:00	45.77	0.41	3.73	4.69	18.46	0.41	0.02	0.04	0.00	29.3	986.1	n.p.	calma	70.2	0.0	0.0
03:00	31.18	0.44	3.95	4.97	18.52	0.42	0.04	0.02	0.01	30.0	986.0	n.p.	calma	75.9	0.0	0.0
04:00	25.22	0.48	4.38	5.51	19.17	0.43	0.06	0.04	0.03	30.6	985.8	n.p.	calma	80.5	0.0	0.0
05:00	17.41	0.53	4.66	5.88	23.69	0.43	0.03	0.05	0.02	33.3	986.1	n.p.	calma	82.7	0.0	0.0
06:00	13.01	0.57	4.89	6.19	25.96	0.44	0.03	0.07	0.01	35.9	986.2	290	0.3	85.1	0.0	0.7
07:00	24.22	0.57	4.91	6.21	21.93	0.50	0.05	0.08	0.01	36.4	986.4	286	0.4	84.5	0.0	25.0
08:00	37.66	0.46	4.56	5.69	18.70	0.49	0.07	0.08	0.02	37.7	986.4	n.p.	calma	78.0	0.0	81.2
09:00	57.87	0.44	3.73	4.72	16.62	0.39	0.06	0.12	0.01	38.4	986.7	288	0.6	62.5	0.0	370.8
10:00	64.24	0.32	2.87	3.61	19.03	0.38	0.05	0.11	0.01	38.7	986.6	243	2.5	53.2	0.0	556.8
11:00	67.87	0.33	2.68	3.41	19.53	0.35	0.03	0.11	0.00	39.1	986.8	246	2.2	48.9	0.0	715.4
12:00	70.37	0.37	2.98	3.80	20.25	0.36	0.02	0.07	0.01	39.5	986.6	192	1.6	44.6	0.0	868.3
13:00	74.87	0.46	3.11	4.04	22.81	0.50	0.06	0.09	0.03	40.5	986.5	302	1.9	41.2	0.0	603.0
14:00	78.46	0.51	4.06	5.18	23.65	0.51	0.06	0.07	0.05	42.3	986.2	323	0.9	38.8	0.0	347.3
15:00	77.51	0.56	4.85	6.13	24.13	0.49	0.05	0.10	0.02	40.9	986.1	260	2.3	36.0	0.0	589.3
16:00	83.24	0.53	4.71	5.94	28.53	0.48	0.02	0.08	0.04	39.8	986.2	37	3.8	40.9	0.0	508.0
17:00	84.49	0.35	3.87	4.78	28.52	0.42	0.04	0.07	0.02	38.8	986.2	34	3.5	45.7	0.0	287.8
18:00	85.11	0.32	3.27	4.07	22.83	0.36	0.02	0.03	0.01	37.8	986.2	37	3.2	47.0	0.0	240.9
19:00	87.07	0.33	3.04	3.82	20.82	0.37	0.02	0.00	0.00	35.4	986.5	40	3.4	51.1	0.0	84.7
20:00	83.58	0.55	4.70	5.95	22.97	0.42	0.03	0.03	0.01	32.6	986.9	33	4.0	56.0	0.0	17.8
21:00	64.72	0.44	3.66	4.65	26.79	0.46	0.05	0.06	0.02	31.1	989.3	317	4.9	79.8	0.0	0.0
22:00	60.71	0.36	3.35	4.20	27.62	0.45	0.04	0.08	0.01	30.4	990.6	323	3.4	83.3	0.0	0.0
23:00	47.45	0.35	3.03	3.83	27.58	0.38	0.03	0.05	0.02	28.5	991.0	231	2.6	85.1	0.0	0.0
00:00	42.44	0.33	2.71	3.44	25.56	0.37	0.02	0.02	0.00	27.2	991.3	240	1.8	82.8	0.0	0.0

Mean	56.89	0.43	3.79	4.79	22.68	0.42	0.04	0.06	0.02	35.1	987.04		2.4	63.4	0.0	220.7
Min	13.01	0.32	2.68	3.41	16.62	0.34	0.01	0.00	0.00	27.2	985.84		0.3	36.0	0.0	0.0
Max	87.07	0.57	4.91	6.21	28.53	0.51	0.07	0.12	0.05	42.3	991.27		4.9	85.1	0.0	868.3

<b>PTS</b> µg/m³
35.3

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.429
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
Via Rossini, 16  
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Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 19 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	42.86	0.50	2.87	3.83	25.96	0.39	0.01	0.02	0.01	27.6	991.4	289.0	1.6	84.4	0.0	0.0
02:00	38.94	0.63	3.51	4.70	20.96	0.39	0.00	0.02	0.00	27.9	991.4	239	1.4	86.4	0.0	0.0
03:00	39.10	0.64	4.22	5.52	19.36	0.37	0.01	0.05	0.00	28.3	991.3	211	0.6	86.1	0.0	0.0
04:00	30.67	0.84	5.30	6.97	16.63	0.38	0.01	0.07	0.01	30.5	991.4	257	0.5	87.8	0.0	0.0
05:00	36.66	0.87	5.52	7.25	18.81	0.39	0.02	0.13	0.02	31.5	991.5	285	1.5	86.3	0.0	0.0
06:00	33.53	0.89	6.14	7.98	18.83	0.37	0.00	0.10	0.03	31.7	991.8	265	0.7	86.0	0.0	0.6
07:00	39.21	0.91	6.34	8.23	19.11	0.35	0.03	0.08	0.02	32.4	992.2	269	0.7	83.8	0.0	20.9
08:00	46.85	0.72	5.60	7.17	19.38	0.33	0.05	0.10	0.01	33.5	992.6	286	3.3	77.2	0.0	56.5
09:00	55.30	0.67	5.10	6.55	19.53	0.35	0.05	0.08	0.01	35.3	992.9	288	4.1	72.9	0.0	369.4
10:00	57.01	0.47	2.96	3.89	21.21	0.37	0.04	0.06	0.00	36.6	993.1	302	3.5	65.5	0.0	584.7
11:00	67.04	0.63	4.49	5.81	21.41	0.39	0.03	0.05	0.01	39.0	993.2	328	3.3	50.6	0.0	555.1
12:00	71.76	0.81	5.39	7.04	22.47	0.35	0.02	0.06	0.02	39.4	993.3	322	3.3	47.8	0.0	739.6
13:00	73.53	0.90	6.08	7.93	24.80	0.33	0.06	0.12	0.04	40.5	993.0	307	3.2	41.5	0.0	710.4
14:00	76.58	0.93	5.55	7.39	25.76	0.31	0.04	0.12	0.03	41.1	992.8	330	3.2	39.5	0.0	689.2
15:00	77.75	0.92	6.14	7.55	26.15	0.30	0.04	0.09	0.02	39.7	992.7	330	3.2	40.3	0.0	777.8
16:00	79.85	0.76	5.22	6.40	25.78	0.34	0.02	0.09	0.01	38.3	992.4	339	3.0	39.6	0.0	734.6
17:00	80.06	0.76	5.47	6.64	25.22	0.37	0.01	0.06	0.02	37.2	992.2	330	3.2	41.6	0.0	663.3
18:00	79.34	0.67	4.65	5.67	21.92	0.38	0.00	0.05	0.02	35.8	992.1	352	3.9	41.6	0.0	440.0
19:00	76.89	0.62	4.70	5.66	22.36	0.40	0.02	0.03	0.00	33.7	992.1	359	4.5	41.8	0.0	255.8
20:00	73.57	0.62	4.12	5.07	26.60	0.41	0.05	0.05	0.01	31.5	992.3	7	4.6	44.7	0.0	61.0
21:00	68.69	0.64	4.11	5.09	27.47	0.36	0.03	0.03	0.01	30.2	992.6	8	3.9	49.5	0.0	0.3
22:00	66.61	0.74	5.00	6.14	26.79	0.37	0.00	0.05	0.01	29.7	993.0	7	3.8	54.3	0.0	0.0
23:00	59.07	0.93	6.52	7.94	25.68	0.39	0.01	0.06	0.00	28.7	993.3	270	0.5	61.5	0.0	0.0
00:00	56.82	0.98	5.32	7.12	24.69	0.35	0.01	0.07	0.01	27.7	993.2	294.0	1.0	66.8	0.0	0.0

Mean	59.49	0.75	5.01	6.40	22.79	0.36	0.02	0.07	0.01	33.7	992.41		2.6	61.5	0.0	277.5
Min	30.67	0.47	2.87	3.83	16.63	0.30	0.00	0.02	0.00	27.6	991.28		0.5	39.5	0.0	0.0
Max	80.06	0.98	6.52	8.23	27.47	0.41	0.06	0.13	0.04	41.1	993.27		4.6	87.8	0.0	777.8

<b>PTS</b> µg/m³
31.4

<b>Benzo(a)pirene</b> ng/m³
< 0.181

<b>Sommatoria IPA</b> ng/m³
< 0.181

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.396
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 20 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	45.39	1.01	5.93	7.48	24.35	0.35	0.01	0.07	0.01	28.3	993.1	267.0	0.7	74.3	0.0	0.0
02:00	34.20	0.86	6.67	7.98	23.48	0.36	0.00	0.03	0.00	28.9	992.9	305	0.6	78.3	0.0	0.0
03:00	39.48	0.80	4.84	6.07	22.46	0.37	0.00	0.01	0.00	29.5	992.7	290	0.6	78.7	0.0	0.0
04:00	38.72	0.70	5.03	6.10	21.25	0.37	0.00	0.00	0.00	30.3	992.6	287	0.3	77.5	0.0	0.0
05:00	30.08	0.76	5.66	6.82	19.20	0.40	0.02	0.02	0.01	31.5	992.4	n.p.	calma	80.9	0.0	0.0
06:00	23.48	0.72	7.09	8.73	17.59	0.41	0.03	0.03	0.02	33.4	992.5	n.p.	calma	84.9	0.0	0.5
07:00	23.89	0.82	7.73	9.23	18.14	0.43	0.04	0.06	0.02	34.7	992.7	304	0.5	85.5	0.0	18.7
08:00	26.95	0.92	7.76	9.93	19.24	0.43	0.05	0.11	0.03	36.2	992.9	271	0.6	82.0	0.0	51.5
09:00	56.97	0.86	7.62	9.25	19.50	0.42	0.06	0.08	0.04	37.8	993.0	274	1.7	65.2	0.0	385.1
10:00	62.32	0.74	5.16	6.39	21.78	0.35	0.02	0.09	0.01	38.5	992.8	284	2.2	44.4	0.0	564.6
11:00	68.53	0.61	4.01	4.94	21.95	0.36	0.03	0.11	0.01	39.7	992.7	284	1.7	35.6	0.0	741.6
12:00	71.88	0.37	3.37	3.93	22.39	0.39	0.01	0.10	0.00	40.1	992.3	308	1.2	29.6	0.0	811.6
13:00	74.70	0.61	3.83	4.73	26.19	0.39	0.00	0.10	0.00	41.6	991.8	272	1.5	25.6	0.0	738.2
14:00	80.92	0.27	3.42	3.83	26.44	0.43	0.01	0.09	0.01	41.8	991.5	257	1.8	24.6	0.0	928.5
15:00	81.79	0.30	3.70	4.15	26.12	0.40	0.05	0.1	0.01	39.9	991.2	266	3.2	22.6	0.0	880.9
16:00	87.06	0.32	4.51	5.00	21.62	0.40	0.03	0.06	0.03	38.5	991.0	30	4.1	26.2	0.0	779.8
17:00	90.21	0.33	3.64	4.14	19.11	0.35	0.00	0.08	0.04	36.8	990.8	29	4.3	28.0	0.0	624.7
18:00	91.44	0.29	3.59	4.04	17.86	0.39	0.00	0.07	0.02	35.2	990.9	27	3.4	27.5	0.0	455.6
19:00	90.11	0.18	3.56	3.82	21.60	0.42	0.02	0.04	0.01	34.3	991.1	26	3.4	29.9	0.0	182.4
20:00	81.53	0.26	5.69	6.08	24.10	0.43	0.05	0.02	0.01	32.1	991.3	39	2.4	36.2	0.0	47.7
21:00	68.88	0.39	7.16	7.76	25.89	0.42	0.04	0.02	0.03	30.5	991.8	29	1.5	41.9	0.0	0.0
22:00	48.14	0.90	11.95	13.34	22.43	0.41	0.02	0.04	0.00	29.8	992.5	339	0.5	49.0	0.0	0.0
23:00	42.63	0.68	9.04	10.08	18.46	0.41	0.02	0.03	0.01	28.3	992.6	296	0.4	56.4	0.0	0.0
00:00	42.72	0.93	10.57	12.00	17.82	0.40	0.01	0.03	0.01	27.4	992.8	302.0	0.3	60.3	0.0	0.0

Mean	58.42	0.61	5.90	6.91	21.62	0.40	0.02	0.06	0.01	34.4	992.15		1.7	51.9	0.0	300.5
Min	23.48	0.18	3.37	3.82	17.59	0.35	0.00	0.00	0.00	27.4	990.84		0.3	22.6	0.0	0.0
Max	91.44	1.01	11.95	13.34	26.44	0.43	0.06	0.11	0.04	41.8	993.07		4.3	85.5	0.0	928.5

<b>PTS</b> µg/m³ 32.2
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.435
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_12**

Natura Srl  
 Via Rossini, 16  
 80026 Casoria - (NA)  
 Tel. +39 081 5737038  
 Fax + 39 081 5739776

**Data : 21 luglio 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	39.55	0.91	9.48	11.70	16.37	0.43	0.01	0.01	0.00	27.5	992.7	302.0	0.4	65.5	0.0	0.0
02:00	26.06	0.98	9.67	11.99	18.14	0.46	0.00	0.02	0.00	28.2	992.6	n.p.	calma	70.2	0.0	0.0
03:00	30.35	0.87	7.14	9.02	24.13	0.39	0.00	0.05	0.01	29.4	992.3	315	0.4	72.5	0.0	0.0
04:00	27.24	0.84	7.44	9.32	24.19	0.36	0.01	0.08	0.02	29.8	992.4	313	0.4	74.2	0.0	0.0
05:00	28.17	0.70	6.45	8.05	24.98	0.37	0.03	0.05	0.04	30.1	992.3	324	0.3	75.5	0.0	0.0
06:00	26.80	0.68	7.50	9.21	25.30	0.38	0.03	0.06	0.02	31.7	992.5	303	0.3	75.0	0.0	0.1
07:00	31.42	0.53	8.34	9.98	22.50	0.39	0.04	0.09	0.05	32.5	992.5	317	0.4	77.4	0.0	21.4
08:00	39.73	0.42	8.19	9.69	19.20	0.47	0.01	0.05	0.03	33.7	992.9	324	0.4	69.1	0.0	51.3
09:00	50.91	0.55	6.47	7.90	17.09	0.46	0.01	0.09	0.03	34.1	992.4	335	0.4	64.8	0.0	391.3
10:00	51.71	0.56	6.44	7.88	19.02	0.39	0.00	0.13	0.05	35.8	992.2	330	0.6	58.7	0.0	567.1
11:00	52.23	0.61	5.57	6.96	19.78	0.42	0.03	0.09	0.02	36.9	991.5	319	0.7	53.7	0.0	756.9
12:00	55.76	0.66	5.31	6.72	21.89	0.43	0.02	0.08	0.02	37.4	991.4	316	0.5	49.7	0.0	831.3
13:00	56.59	0.73	5.47	6.98	22.77	0.45	0.03	0.07	0.01	38.9	991.1	313	0.4	32.1	0.0	845.6
14:00	57.14	0.89	6.07	7.83	24.80	0.48	0.03	0.07	0.01	40.3	990.8	315	0.4	26.7	0.0	911.4
15:00	66.03	0.82	5.36	6.96	23.71	0.46	0.05	0.05	0.04	38.6	990.8	323	0.3	27.3	0.0	875.4
16:00	66.28	0.81	5.16	6.72	22.93	0.37	0.06	0.05	0.05	37.2	991.0	325	0.4	38.1	0.0	736.5
17:00	70.79	0.58	5.15	6.45	20.97	0.36	0.04	0.08	0.04	36.7	991.1	333	0.4	45.1	0.0	632.2
18:00	78.58	0.50	4.31	5.41	20.94	0.38	0.02	0.05	0.02	35.2	991.1	335	0.4	48.7	0.0	456.9
19:00	85.67	0.61	5.04	6.36	16.38	0.40	0.04	0.02	0.01	33.4	991.5	330	0.5	50.4	0.0	193.6
20:00	86.11	0.65	5.32	6.72	21.65	0.48	0.05	0.05	0.00	32.8	991.7	320	0.6	50.7	0.0	51.2
21:00	75.44	0.86	7.05	8.90	25.60	0.46	0.02	0.06	0.00	31.6	991.7	324	0.6	56.4	0.0	0.0
22:00	65.64	0.77	6.21	7.86	24.73	0.45	0.01	0.04	0.00	30.8	991.8	325	0.5	57.2	0.0	0.0
23:00	57.32	0.68	5.62	7.09	22.77	0.38	0.02	0.02	0.01	29.1	992.1	335	0.4	62.9	0.0	0.0
00:00	55.31	0.54	5.35	6.63	21.38	0.37	0.01	0.02	0.01	27.5	992.2	329.0	0.4	64.7	0.0	0.0

Mean	53.37	0.70	6.42	8.01	21.72	0.42	0.02	0.06	0.02	33.3	991.86		0.4	56.9	0.0	305.1
Min	26.06	0.42	4.31	5.41	16.37	0.36	0.00	0.01	0.00	27.5	990.84		0.3	26.7	0.0	0.0
Max	86.11	0.98	9.67	11.99	25.60	0.48	0.06	0.13	0.05	40.3	992.88		0.7	77.4	0.0	911.4

<b>PTS</b> µg/m³ 21.6
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<b>Benzo(a)pirene</b> ng/m³ < 0.181
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<b>Sommatoria IPA</b> ng/m³ < 0.181
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.0907
Arsenico	0.0000334
Cadmio	< 0.00181
Cromo totale	< 0.00181
Ferro	< 0.00181
Manganese	0.0000191
Nichel	0.0000878
Piombo	0.0000573
Potassio	0.0167
Rame	< 0.000907
Silicio	0.469
Titanio	< 0.00181
Vanadio	< 0.00181
Zinco	< 0.00907

Il Responsabile del Laboratorio  
 Dott. Francesco Troisi

RAPPORTO DI PROVA N 23LA29432		DEL 30/08/2023	
<b>COMMITTENTE:</b>	EMPEDOCLE 2 s.c.p.a.		
<b>INDIRIZZO COMMITTENTE:</b>	C.da Bigini Km.57+700 93100 CALTANISSETTA (CL)		
<b>PARTITA IVA E/O COD. FISCALE:</b>	IT02379310390		
<b>UBICAZIONE CAMPIONAMENTO:</b>	C.DA S. FILIPPO NERI (KM 17+000)		
<b>PUNTO DI CAMPIONAMENTO:</b>	ATM_12		
<b>DESCRIZIONE CAMPIONE:</b>	RADIELLO		
<b>CAMPIONAMENTO A CURA DI:</b>	TECNICI DEL LABORATORIO NATURA SRL		
<b>NOME E COGNOME CAMPIONATORE:</b>	Claudio Girgenti		
<b>N° VERBALE DI CAMPIONAMENTO:</b>	20230722CG1800		
<b>DATA INIZIO CAMPIONAMENTO:</b> 08/07/2023	<b>ORA INIZIO CAMPIONAMENTO:</b>	10.00	
<b>DATA FINE CAMPIONAMENTO:</b> 08/07/2023	<b>ORA FINE CAMPIONAMENTO:</b>	16.00	
<b>DATA RICEZIONE CAMPIONE:</b> 09/07/2023	<b>ORA ACCETTAZIONE CAMPIONE:</b>	12.20	
<b>DATA ACCETTAZIONE CAMPIONE:</b> 09/07/2023			
<b>N° ACCETTAZIONE CAMPIONE:</b> 23LA29432			
<b>DATA INIZIO PROVE:</b> 08/07/2023	<b>DATA FINE PROVE:</b>	14/07/2023	

Parametro	U.M.	Risultato	Incertezza
Metodo			

#### IDROCARBURI E RELATIVE FRAZIONI

IDROCARBURI RADIELLO + EPA 8015D 2003	µg/m§	< 28,1
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#### COMPOSTI ORGANICI AROMATICI

BENZENE RADIELLO + EPA 8015D 2003	µg/m§	< 0,012
TOLUENE RADIELLO + EPA 8015D 2003	µg/m§	< 0,013
XILENE RADIELLO + EPA 8015D 2003	µg/m§	< 0,028

#### Legenda:

- U.M. = unità di misura
- Cat.III = prova eseguita in campo
- nd = non determinabile
- NR = non rilevato
- \* = prova non accreditata ACCREDIA
- # = prova in subappalto
- \$ = prova fornita dal cliente per la quale il laboratorio declina ogni responsabilità
- Parametro NON CONFORME

#### Informazioni fornite dal cliente per le quali il laboratorio declina ogni eventuale responsabilità:

PUNTO DI CAMPIONAMENTO, DESCRIZIONE CAMPIONE.

Il recupero dei singoli analiti è compreso tra l' 80% ed il 120%. Non si utilizza alcun fattore di correzione nel calcolo della concentrazione. Per le singole diossine, il recupero varia dal 63% al 170%.

Il criterio di valutazione utilizzato per l'espressione del giudizio di conformità è eseguito in conformità alle Linee Guida SNPA 34/2021 secondo la regola denominata "Accettazione semplice".

Il limite inferiore dei misurandi viene calcolato in funzione di pesate, diluizioni e primo punto retta (LR adjusted).

### GIUDIZIO DI CONFORMITÀ

NESSUN SUPERAMENTO - CONFORME rispetto al limite per i parametri analizzati.

**SEGUE RAPPORTO DI PROVA N 23LA29432**

**DEL 30/08/2023**

**I risultati del presente rapporto di prova si devono intendere riferiti esclusivamente al campione sottoposto a prova.  
Il presente rapporto di prova non può essere riprodotto parzialmente se non previa approvazione scritta da parte di questo Laboratorio.**

**Il Responsabile di Laboratorio**  
*Dott. Francesco Troisi*



**- Fine Rapporto di Prova -**

**Monitoraggio componente ATMOSFERA**  
**Scheda di rilevazione**

**RILIEVO PLANIMETRICO**

**Codice misura: ATM\_20**



**LOCALIZZAZIONE GEOGRAFICA**

Località: C.da Imera  
Comune: Caltanissetta  
Provincia: Caltanissetta  
Regione: Sicilia  
Distanza dal tracciato: 100 m

**ANAGRAFICA**

<b>Misura N.</b>	ATM_20	<b>Durata Rilievi</b>	Da:	11/10/2023
			A:	24/10/2023

**COORDINATE:** 37.533729° N, 14.125015° E

**Fase di monitoraggio:** CORSO D'OPERA

**STRUMENTAZIONE DI MISURA**

Laboratorio mobile per il monitoraggio della qualità dell'aria conforme alla normativa D.Lgs 155/2010 – Fiat Ducato - targa GK 071 HV

Tecnico rilevatore: geol. Claudio Girgenti



Monitoraggio componente ATMOSFERA

DOCUMENTAZIONE FOTOGRAFICA



**Opera (WBS) e tipo di attività eseguita nei pressi della stazione di misura:**

T.O. 4 (19+200 - 28+082) 159 - VI2.15 DX - VIADOTTO SALSO DX - PISTA DX - ELEVAZIONI PILA 13, 14, 16, 18, 19

T.O. 4 (19+200 - 28+082) 159 - VI2.15 DX - VIADOTTO SALSO DX - PISTA DX - PULVINI PILE 1, 2, 4, 5, 6 DX - PILE DX

Per i parametri misurati, si rimanda ai rapporti di prova e alle schede di campo.

**Data : 11 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	20.21	0.21	2.65	3.15	29.70	0.39	0.44	0.22	0.04	15.8	1031.3	SE	4.0	73.0	0.0	0.0
02:00	27.22	0.24	3.05	3.63	28.90	0.36	0.49	0.24	0.05	15.7	1031.0	SE	2.7	74.0	0.0	0.0
03:00	18.02	0.33	2.90	3.56	23.70	0.41	0.49	0.20	0.05	14.2	1030.8	SE	2.7	74.0	0.0	0.0
04:00	14.75	0.41	2.40	3.10	22.20	0.45	0.36	0.24	0.03	14.8	1030.5	SE	4.0	75.0	0.0	0.0
05:00	17.51	0.52	2.20	3.00	24.60	0.43	0.41	0.20	0.04	15.3	1030.2	SE	2.7	76.0	0.0	0.0
06:00	21.92	0.44	2.80	3.64	29.10	0.39	0.53	0.18	0.04	16.7	1030.2	SE	2.7	76.0	0.0	0.0
07:00	21.81	0.43	3.25	4.13	28.40	0.35	0.77	0.20	0.05	20.8	1030.1	SE	2.7	75.0	0.0	0.0
08:00	17.43	0.39	3.40	4.26	29.70	0.41	0.76	0.17	0.04	21.4	1029.8	SE	3.6	76.0	0.0	0.0
09:00	20.20	0.40	3.55	4.44	25.20	0.40	0.70	0.08	0.05	21.9	1029.9	SE	3.6	76.0	0.0	28.0
10:00	25.70	0.42	4.15	5.13	24.70	0.39	0.67	0.08	0.04	22.7	1029.5	SE	5.4	73.0	0.0	154.0
11:00	29.73	0.55	2.75	3.41	19.20	0.38	0.85	0.09	0.04	23.2	1029.3	SE	4.0	69.0	0.0	305.0
12:00	34.65	0.39	1.95	2.42	17.60	0.37	0.71	0.16	0.03	25.3	1028.5	SE	5.4	63.0	0.0	410.0
13:00	29.49	0.30	5.85	6.36	17.70	0.38	0.67	0.15	0.04	25.9	1028.3	SE	5.8	54.0	0.0	489.0
14:00	29.08	0.30	1.75	2.12	18.90	0.41	0.51	0.15	0.03	28.4	1027.8	SE	4.9	48.0	0.0	516.0
15:00	35.00	0.16	1.60	1.82	18.40	0.45	0.36	0.16	0.03	30.2	1026.8	SE	4.9	45.0	0.0	488.0
16:00	36.08	0.18	1.15	1.38	18.90	0.43	0.40	0.13	0.04	29.7	1026.7	SE	5.8	46.0	0.0	421.0
17:00	37.71	0.21	2.35	2.65	20.10	0.48	0.38	0.12	0.03	28.9	1026.9	ESE	5.4	52.0	0.0	260.0
18:00	44.64	0.36	3.75	4.25	21.50	0.41	0.37	0.13	0.02	28.0	1026.7	SE	4.9	55.0	0.0	128.0
19:00	43.03	0.43	4.50	5.65	20.70	0.44	0.39	0.18	0.04	22.9	1026.9	SE	4.9	61.0	0.0	43.0
20:00	37.52	0.52	3.30	4.37	20.80	0.38	0.39	0.14	0.04	22.5	1026.9	SE	4.9	64.0	0.0	0.0
21:00	34.85	0.36	2.90	3.73	22.80	0.35	0.42	0.05	0.03	21.1	1027.2	SE	4.9	67.0	0.0	0.0
22:00	41.39	0.44	2.80	3.71	24.10	0.34	0.53	0.11	0.03	20.0	1027.9	SE	3.6	69.0	0.0	0.0
23:00	42.61	0.39	4.25	5.31	20.70	0.36	0.42	0.17	0.03	17.7	1027.9	SE	3.1	70.0	0.0	0.0
00:00	44.68	0.25	4.35	5.27	20.50	0.35	0.45	0.17	0.03	15.7	1027.9	SSE	2.7	70.0	0.0	0.0

Mean	30.22	0.36	3.07	3.77	22.84	0.40	0.52	0.16	0.04	21.6	1028.7		4.1	65.9	0.0	135.1
Min	14.75	0.16	1.15	1.38	17.60	0.34	0.36	0.05	0.02	14.2	1026.70		2.7	45.0	0.0	0.0
Max	44.68	0.55	5.85	6.36	29.70	0.48	0.85	0.24	0.05	30.2	1031.30		5.8	76.0	0.0	516.0

<b>PTS</b>
µg/m³
18.1

<b>Benzo(a)pirene</b>
ng/m³
< 0.2

<b>Sommatoria IPA</b>
ng/m³
< 0.2

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00408
Nichel	0.00285
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.204
Titanio	< 0.002
Vanadio	0.00275
Zinco	< 0.009

**Data : 12 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	32.43	0.23	3.45	4.21	19.20	0.40	0.45	0.03	0.04	15.5	1028.2	SSE	2.2	70.0	0.0	0.0
02:00	23.80	0.20	2.20	2.75	20.60	0.45	0.44	0.06	0.03	16.1	1028.9	SE	0.4	71.0	0.0	0.0
03:00	13.22	0.32	1.20	1.74	25.50	0.43	0.44	0.12	0.03	16.8	1028.8	WNW	0.4	74.0	0.0	0.0
04:00	17.96	0.38	1.95	2.64	23.90	0.45	0.50	0.15	0.03	17.2	1028.1	NE	0.4	75.0	0.0	0.0
05:00	18.95	0.46	2.25	3.07	24.30	0.51	0.86	0.13	0.04	18.3	1028.9	SSE	0.4	76.0	0.0	0.0
06:00	17.73	0.65	5.45	6.90	18.20	0.50	1.18	0.40	0.09	20.1	1029.2	NNE	0.4	77.0	0.0	0.0
07:00	13.50	0.71	7.05	8.78	19.70	0.53	0.99	0.31	0.06	22.6	1028.8	NE	0.4	77.0	0.0	0.0
08:00	18.40	0.88	7.85	9.88	19.10	0.48	1.06	0.32	0.06	23.1	1029.0	WSW	0.9	77.0	0.0	0.0
09:00	15.19	0.76	4.65	6.12	18.60	0.51	0.78	0.28	0.06	24.3	1029.0	SE	0.4	77.0	0.0	26.0
10:00	15.32	0.64	6.25	7.79	17.50	0.49	1.07	0.26	0.06	24.4	1029.2	SE	2.2	80.0	0.0	142.0
11:00	14.79	0.57	3.60	4.72	17.10	0.46	1.02	0.29	0.06	24.5	1029.0	SE	4.0	75.0	0.0	150.0
12:00	18.48	0.42	3.10	3.98	16.50	0.45	1.09	0.33	0.06	24.6	1029.0	SE	4.5	71.0	0.0	212.0
13:00	21.07	0.33	1.50	2.06	16.20	0.44	0.76	0.40	0.08	25.1	1028.6	SE	5.4	68.0	0.0	344.0
14:00	35.30	0.45	1.65	2.37	10.90	0.41	0.43	0.20	0.02	26.3	1029.3	SE	5.4	60.0	0.0	550.0
15:00	40.36	0.48	2.00	2.80	12.30	0.38	0.48	0.34	0.06	28.1	1030.8	WSW	5.8	65.0	0.0	50.0
16:00	44.73	0.52	1.35	2.11	7.50	0.29	0.35	0.27	0.05	27.1	1030.5	S	1.8	68.0	0.0	26.0
17:00	47.38	0.42	2.15	2.90	8.10	0.27	0.34	0.26	0.04	25.3	1030.6	E	1.8	69.0	0.0	108.0
18:00	49.08	0.33	3.40	4.21	8.80	0.26	0.30	0.20	0.02	23.1	1031.4	WSW	1.8	64.0	0.0	100.0
19:00	44.56	0.45	4.30	5.36	5.10	0.30	0.34	0.23	0.03	21.7	1031.9	SSE	2.7	63.0	0.0	30.0
20:00	46.67	0.49	3.75	4.78	2.80	0.33	0.23	0.13	0.02	20.1	1032.4	SSW	0.9	66.0	0.0	2.0
21:00	48.05	0.63	5.50	6.91	5.70	0.35	0.18	0.03	0.02	18.4	1032.7	ESE	0.9	64.0	0.0	0.0
22:00	47.52	0.44	5.15	6.30	8.70	0.40	0.20	0.08	0.02	18.0	1033.2	SSW	0.4	67.0	0.0	0.0
23:00	49.97	0.31	4.40	5.31	14.70	0.42	0.18	0.06	0.02	17.5	1034.0	NNE	0.4	68.0	0.0	0.0
00:00	50.92	0.24	3.75	4.50	7.80	0.44	0.23	0.08	0.03	17.1	1034.5	NNE	0.9	70.0	0.0	0.0

Mean	31.06	0.47	3.66	4.67	14.53	0.41	0.58	0.21	0.04	21.5	1030.25		1.9	70.5	0.0	72.5
Min	13.22	0.20	1.20	1.74	2.80	0.26	0.18	0.03	0.02	15.5	1028.10		0.4	60.0	0.0	0.0
Max	50.92	0.88	7.85	9.88	25.50	0.53	1.18	0.40	0.09	28.1	1034.50		5.8	80.0	0.0	550.0

<b>PTS</b> µg/m³
18

<b>Benzo(a)pirene</b> ng/m³
< 0.2

<b>Sommatoria IPA</b> ng/m³
< 0.2

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00408
Nichel	0.00286
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.188
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 13 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	52.38	0.23	4.90	5.79	15.80	0.45	0.21	0.04	0.02	17.1	1034.3	NW	0.9	70.0	0.0	0.0
02:00	52.95	0.21	4.90	5.76	21.40	0.45	0.31	0.03	0.02	18.2	1034.3	NE	0.9	71.0	0.0	0.0
03:00	52.08	0.26	3.65	4.39	20.10	0.50	0.34	0.04	0.02	19.3	1035.1	NE	0.9	69.0	0.0	0.0
04:00	51.10	0.34	3.80	4.65	25.30	0.41	0.28	0.06	0.02	19.8	1035.5	WNW	0.4	70.0	0.0	0.0
05:00	47.95	0.51	4.95	6.13	24.70	0.53	0.35	0.08	0.02	20.9	1035.8	WNW	0.9	71.0	0.0	0.0
06:00	46.09	0.41	5.55	6.69	25.90	0.44	0.32	0.07	0.02	21.5	1036.7	N	0.4	71.0	0.0	0.0
07:00	41.65	0.66	7.10	8.72	28.00	0.42	0.30	0.05	0.02	22.7	1037.1	WNW	0.4	72.0	0.0	0.0
08:00	41.35	1.02	6.95	8.95	27.80	0.41	0.27	0.08	0.02	23.2	1037.8	WNW	0.4	73.0	0.0	0.0
09:00	42.28	1.02	7.05	9.07	18.60	0.38	0.25	0.05	0.02	24.2	1038.3	n,p,	calma	75.0	0.0	28.0
10:00	42.32	0.84	8.04	9.97	17.90	0.36	0.22	0.08	0.02	24.5	1038.9	n,p,	calma	75.0	0.0	182.0
11:00	45.05	0.72	6.25	7.83	10.20	0.35	0.24	0.07	0.02	25.1	1039.4	SE	0.4	61.0	0.0	343.0
12:00	46.28	0.51	7.90	9.45	10.00	0.38	0.26	0.10	0.02	25.5	1039.3	SE	0.9	54.0	0.0	399.0
13:00	47.93	0.38	5.50	6.60	14.60	0.41	0.31	0.08	0.02	26.3	1039.4	SE	3.1	50.0	0.0	560.0
14:00	49.35	0.29	4.85	5.77	10.60	0.50	0.33	0.22	0.01	26.9	1038.9	SSE	3.1	42.0	0.0	596.0
15:00	51.69	0.25	5.15	6.07	10.00	0.53	0.28	0.04	0.01	27.0	1038.4	SE	3.6	45.0	0.0	581.0
16:00	53.56	0.38	6.53	7.82	10.80	0.51	0.25	0.05	0.01	26.5	1038.7	SE	3.6	44.0	0.0	449.0
17:00	51.99	0.74	7.71	9.57	11.90	0.47	0.30	0.17	0.04	24.9	1038.8	SE	3.6	47.0	0.0	192.0
18:00	45.75	0.96	6.35	8.28	15.30	0.45	0.29	0.11	0.01	24.0	1039.2	SE	2.7	51.0	0.0	62.0
19:00	38.72	0.51	5.84	7.20	18.00	0.44	0.25	0.14	0.01	23.5	1039.4	SE	3.1	52.0	0.0	36.0
20:00	26.57	0.59	6.14	7.62	30.00	0.49	0.18	0.15	0.01	22.6	1040.0	SE	0.9	57.0	0.0	0.0
21:00	22.15	0.53	6.24	7.66	19.00	0.41	0.16	0.18	0.01	21.5	1040.4	n,p,	calma	64.0	0.0	0.0
22:00	16.09	0.28	6.35	7.51	9.80	0.43	0.15	0.08	0.01	19.8	1040.5	WNW	0.4	64.0	0.0	0.0
23:00	11.28	0.27	6.10	7.22	12.50	0.45	0.18	0.11	0.01	17.9	1041.0	WSW	0.4	66.0	0.0	0.0
00:00	6.37	0.17	3.75	4.44	11.00	0.39	0.20	0.08	0.01	17.4	1041.2	n,p,	calma	67.0	0.0	0.0

Mean	40.96	0.50	5.90	7.22	17.47	0.44	0.26	0.09	0.02	22.5	1038.27		0.0	61.7	0.0	142.8
Min	6.37	0.17	3.65	4.39	9.80	0.35	0.15	0.03	0.01	17.1	1034.30		0.4	42.0	0.0	0.0
Max	53.56	1.02	8.04	9.97	30.00	0.53	0.35	0.22	0.04	27.0	1041.20		3.6	75.0	0.0	596.0

<b>PTS</b> µg/m³
13.8

<b>Benzo(a)pirene</b> ng/m³
< 0.2

<b>Sommatoria IPA</b> ng/m³
< 0.2

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00407
Nichel	0.00285
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.179
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009

Il Responsabile del Laboratorio  
Dott. Francesco Troisi

**Data : 14 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	3.30	0.17	3.65	4.33	10.20	0.33	0.21	0.15	0.01	16.8	1041.0	n,p,	calma	68.0	0.0	0.0
02:00	9.07	0.22	3.15	3.84	9.10	0.31	0.24	0.05	0.01	15.1	1041.6	n,p,	calma	69.0	0.0	0.0
03:00	11.75	0.28	4.15	5.05	12.10	0.40	0.23	0.11	0.01	14.3	1041.9	n,p,	calma	70.0	0.0	0.0
04:00	12.00	0.36	4.50	5.54	11.20	0.37	0.22	0.09	0.00	15.2	1042.0	n,p,	calma	70.0	0.0	0.0
05:00	15.35	0.48	5.05	6.30	16.30	0.45	0.20	0.10	0.00	16.1	1042.1	WSW	0.4	72.0	0.0	0.0
06:00	16.62	0.60	8.15	9.97	21.20	0.44	0.22	0.15	0.01	16.8	1042.1	n,p,	calma	72.0	0.0	0.0
07:00	17.10	1.85	7.12	10.22	25.90	0.42	0.23	0.12	0.01	17.9	1042.2	n,p,	calma	72.0	0.0	0.0
08:00	17.67	1.42	8.26	11.03	20.20	0.48	0.29	0.20	0.00	19.2	1042.5	WNW	0.4	72.0	0.0	0.0
09:00	18.65	0.85	8.63	10.80	15.50	0.52	0.53	0.14	0.04	20.3	1042.9	n,p,	calma	73.0	0.0	27.0
10:00	35.19	0.24	9.75	10.19	13.30	0.55	0.46	0.15	0.02	21.5	1043.3	W	0.4	71.0	0.0	151.0
11:00	42.68	0.21	8.45	9.49	12.80	0.59	0.26	0.13	0.01	22.5	1043.6	n,p,	calma	59.0	0.0	310.0
12:00	54.92	0.17	6.75	7.58	11.70	0.53	0.22	0.27	0.00	23.5	1043.5	n,p,	calma	45.0	0.0	441.0
13:00	56.49	0.20	8.10	9.10	11.20	0.56	0.24	0.22	0.02	25.4	1043.1	W	0.4	34.0	0.0	527.0
14:00	60.04	0.34	9.50	10.78	9.10	0.48	0.16	0.16	0.01	26.7	1043.0	WSW	0.4	29.0	0.0	557.0
15:00	62.19	0.39	10.85	11.27	6.80	0.55	0.26	0.2193	0.00	27.8	1042.3	S	0.9	27.0	0.0	530.0
16:00	64.66	0.44	9.40	9.87	6.40	0.43	0.26	0.14	0.01	26.6	1042.3	n,p,	calma	27.0	0.0	449.0
17:00	63.12	0.58	8.64	9.25	9.10	0.38	0.46	0.12	0.01	24.7	1042.2	S	0.9	26.0	0.0	311.0
18:00	61.45	0.84	7.21	8.08	10.40	0.33	0.95	0.24	0.04	23.2	1042.1	S	0.4	29.0	0.0	148.0
19:00	56.05	0.85	6.82	7.69	8.00	0.33	0.92	0.19	0.04	21.7	1042.5	SE	1.8	48.0	0.0	31.0
20:00	46.68	1.14	6.71	7.88	11.80	0.37	1.05	0.29	0.04	20.4	1043.1	ESE	0.9	52.0	0.0	0.0
21:00	40.67	1.23	7.55	8.81	14.20	0.43	0.82	0.18	0.02	18.8	1043.1	ENE	0.9	59.0	0.0	0.0
22:00	33.44	0.91	7.40	8.44	8.90	0.48	0.65	0.10	0.02	17.8	1043.5	NNE	0.4	61.0	0.0	0.0
23:00	21.33	0.36	8.15	8.65	6.30	0.37	0.80	0.19	0.03	16.8	1043.4	n,p,	calma	63.0	0.0	0.0
00:00	14.87	0.40	8.95	9.50	8.00	0.42	0.97	0.23	0.04	16.1	1043.3	n,p,	calma	65.0	0.0	0.0

Mean	34.80	0.61	7.37	8.49	12.07	0.44	0.45	0.16	0.02	20.2	1042.61		0.7	55.5	0.0	145.1
Min	3.30	0.17	3.15	3.84	6.30	0.31	0.16	0.05	0.00	14.3	1041.00		0.4	26.0	0.0	0.0
Max	64.66	1.85	10.85	11.27	25.90	0.59	1.05	0.29	0.04	27.8	1043.60		1.8	73.0	0.0	557.0

<b>PTS</b> µg/m³	16.1
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<b>Benzo(a)pirene</b> ng/m³	< 0.2
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<b>Sommatoria IPA</b> ng/m³	< 0.2
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00408
Nichel	0.00286
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.138
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 15 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	18.44	0.35	7.50	7.98	9.70	0.47	0.85	0.28	0.03	16.4	1043.2	n,p,	calma	67.0	0.0	0.0
02:00	10.19	0.27	6.25	6.62	9.60	0.43	0.59	0.24	0.02	16.8	1042.8	n,p,	calma	68.0	0.0	0.0
03:00	14.08	0.22	5.05	5.35	8.10	0.39	0.53	0.23	0.02	17.1	1042.4	n,p,	calma	70.0	0.0	0.0
04:00	15.57	0.21	4.95	5.24	5.90	0.43	0.43	0.22	0.02	17.6	1042.1	n,p,	calma	73.0	0.0	0.0
05:00	20.86	0.34	7.90	8.37	8.90	0.37	0.40	0.31	0.01	18.4	1041.9	n,p,	calma	73.0	0.0	0.0
06:00	17.42	0.63	8.65	9.43	12.40	0.31	0.38	0.58	0.01	19.3	1042.0	n,p,	calma	74.0	0.0	0.0
07:00	12.69	0.97	7.33	9.15	16.90	0.45	0.36	0.49	0.01	19.7	1042.0	n,p,	calma	74.0	0.0	0.0
08:00	24.79	0.49	6.75	7.98	17.40	0.41	0.36	0.46	0.02	20.1	1041.7	n,p,	calma	75.0	0.0	0.0
09:00	46.30	0.53	7.20	8.52	14.70	0.37	0.68	0.39	0.03	20.5	1041.9	n,p,	calma	76.0	0.0	17.0
10:00	60.90	0.16	6.50	7.34	10.20	0.34	0.50	0.31	0.02	22.8	1041.9	n,p,	calma	76.0	0.0	56.0
11:00	64.84	0.17	6.90	7.80	11.30	0.45	0.37	0.13	0.02	24.7	1041.5	SE	0.4	73.0	0.0	203.0
12:00	67.91	0.12	5.00	5.65	9.80	0.52	0.39	0.09	0.01	25.6	1040.4	SE	2.2	69.0	0.0	279.0
13:00	70.04	0.12	5.00	5.65	9.20	0.55	0.55	0.08	0.02	26.4	1040.0	SE	3.6	62.0	0.0	499.0
14:00	66.90	0.19	5.85	6.66	7.60	0.53	0.50	0.05	0.03	27.2	1039.3	SE	4.0	56.0	0.0	547.0
15:00	69.42	0.14	4.15	4.72	11.40	0.48	0.48	0.115	0.02	27.9	1038.0	SE	4.9	53.0	0.0	524.0
16:00	69.26	0.10	3.05	3.47	12.40	0.39	0.53	0.20	0.02	26.3	1037.9	SE	4.9	58.0	0.0	312.0
17:00	62.61	0.10	3.05	3.50	13.00	0.41	0.45	0.19	0.03	24.7	1037.8	SE	4.5	62.0	0.0	237.0
18:00	58.86	0.32	7.50	8.70	9.40	0.40	0.93	0.21	0.03	22.2	1036.8	SE	4.0	64.0	0.0	111.0
19:00	53.07	0.38	8.95	10.38	10.80	0.38	1.19	0.13	0.08	20.9	1036.5	SE	3.1	67.0	0.0	38.0
20:00	52.08	0.37	8.75	10.15	17.00	0.40	1.53	0.17	0.07	20.7	1036.8	SE	3.1	70.0	0.0	0.0
21:00	46.27	0.29	6.60	7.67	13.30	0.27	1.17	0.10	0.04	19.8	1036.8	SE	0.4	72.0	0.0	0.0
22:00	45.48	0.30	6.70	7.79	13.50	0.29	1.08	0.09	0.04	17.5	1037.2	NNE	0.4	73.0	0.0	0.0
23:00	48.63	0.30	6.75	7.84	16.80	0.43	0.80	0.12	0.03	16.2	1037.2	NNW	0.4	75.0	0.0	0.0
00:00	52.15	0.30	6.80	7.90	22.40	0.46	0.68	0.15	0.02	16.0	1036.9	NW	0.4	76.0	0.0	0.0

Mean	44.53	0.31	6.38	7.24	12.15	0.41	0.66	0.22	0.03	21.0	1039.79		2.6	69.0	0.0	117.6
Min	10.19	0.10	3.05	3.47	5.90	0.27	0.36	0.05	0.01	16.0	1036.50		0.4	53.0	0.0	0.0
Max	70.04	0.97	8.95	10.38	22.40	0.55	1.53	0.58	0.08	27.9	1043.20		4.9	76.0	0.0	547.0

<b>PTS</b> µg/m³
12

<b>Benzo(a)pirene</b> ng/m³
< 0.2

<b>Sommatoria IPA</b> ng/m³
< 0.2

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00408
Nichel	0.00286
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.159
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009

Il Responsabile del Laboratorio  
Dott. Francesco Troisi

**Data : 16 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	53.08	0.35	7.55	8.79	11.90	0.53	0.52	0.17	0.02	15.8	1036.5	WNW	0.4	77.0	0.0	0.0
02:00	49.06	0.34	7.90	9.16	18.40	0.48	0.44	0.19	0.01	16.1	1035.6	N	0.4	77.0	0.0	0.0
03:00	45.27	0.31	7.30	8.47	19.90	0.37	0.35	0.17	0.02	16.9	1034.7	E	1.3	63.0	0.0	0.0
04:00	44.48	0.29	6.85	7.95	27.10	0.29	0.34	0.17	0.01	17.2	1035.0	N	2.2	56.0	0.0	0.0
05:00	40.98	0.31	7.30	8.47	24.70	0.35	0.27	0.19	0.02	17.8	1034.7	SSW	0.9	59.0	0.0	0.0
06:00	34.37	0.56	7.60	9.07	29.20	0.35	0.29	0.16	0.03	18.6	1034.9	NNW	0.9	62.0	0.0	0.0
07:00	30.52	0.66	9.00	10.59	26.80	0.38	0.48	0.10	0.03	19.4	1034.7	NNE	0.9	61.0	0.0	0.0
08:00	31.13	0.42	5.80	6.82	19.90	0.46	0.57	0.07	0.01	20.8	1034.4	WNW	0.4	62.0	0.0	0.0
09:00	34.70	0.34	4.70	5.53	14.90	0.42	0.94	0.08	0.03	22.3	1034.6	n,p,	calma	63.0	0.0	4.0
10:00	43.55	0.38	3.05	3.76	13.00	0.48	0.92	0.06	0.02	23.7	1034.8	NW	0.4	63.0	0.0	86.0
11:00	49.83	0.35	2.60	3.23	11.10	0.54	0.91	0.05	0.01	25.6	1035.2	NW	0.4	59.0	0.0	230.0
12:00	51.46	0.29	3.45	4.10	13.60	0.46	0.83	0.05	0.02	26.3	1035.0	S	0.9	53.0	0.0	216.0
13:00	54.08	0.27	2.90	3.48	17.00	0.42	0.99	0.07	0.02	26.7	1034.7	S	1.3	54.0	0.0	174.0
14:00	57.01	0.30	3.15	3.78	13.10	0.44	0.88	0.07	0.03	27.1	1035.8	S	1.3	58.0	0.0	92.0
15:00	56.76	0.33	4.10	4.86	11.50	0.46	0.83	0.004	0.03	27.8	1033.2	S	1.3	65.0	0.0	258.0
16:00	57.69	0.41	4.10	4.95	13.40	0.36	0.56	0.00	0.02	26.4	1033.0	SE	2.2	60.0	0.0	460.0
17:00	56.07	0.38	3.00	3.71	14.20	0.26	0.44	0.00	0.03	25.1	1032.5	S	2.2	50.0	0.0	308.0
18:00	54.62	0.25	5.85	6.69	13.40	0.36	0.31	0.01	0.02	23.7	1032.1	SSW	0.9	53.0	0.0	156.0
19:00	54.82	0.24	5.55	6.35	15.30	0.25	0.29	0.06	0.02	21.3	1032.3	SW	0.9	48.0	0.0	54.0
20:00	54.89	0.56	6.08	7.28	14.90	0.33	0.36	0.02	0.02	19.6	1033.2	S	1.3	49.0	0.0	0.0
21:00	52.15	0.77	7.33	8.89	11.00	0.41	0.59	0.00	0.01	18.1	1033.4	S	0.9	54.0	0.0	0.0
22:00	46.94	0.72	8.27	10.11	20.70	0.48	0.68	0.01	0.02	17.9	1033.5	N	0.9	55.0	0.0	0.0
23:00	45.14	0.60	8.62	10.38	37.40	0.40	0.43	0.01	0.02	16.4	1033.8	NNE	0.9	60.0	0.0	0.0
00:00	45.69	0.42	9.45	11.11	29.00	0.53	0.28	0.04	0.02	15.1	1033.2	W	0.4	63.0	0.0	0.0

Mean	47.68	0.41	5.90	6.98	18.39	0.41	0.56	0.07	0.02	21.1	1034.20		1.0	59.3	0.0	84.9
Min	30.52	0.24	2.60	3.23	11.00	0.25	0.27	0.00	0.01	15.1	1032.10		0.4	48.0	0.0	0.0
Max	57.69	0.77	9.45	11.11	37.40	0.54	0.99	0.19	0.03	27.8	1036.50		2.2	77.0	0.0	460.0

<b>PTS</b>
µg/m³
13.8

<b>Benzo(a)pirene</b>
ng/m³
< 0.2

<b>Sommatoria IPA</b>
ng/m³
< 0.2

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00408
Nichel	0.00285
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.172
Titanio	< 0.002
Vanadio	0.00275
Zinco	< 0.009

**Data : 17 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	46.51	0.41	8.80	10.37	35.60	0.48	0.25	0.00	0.02	16.3	1032.8	N	0.9	65.0	0.0	0.0
02:00	43.41	0.25	5.90	6.93	26.30	0.42	0.19	0.03	0.02	16.7	1032.7	NW	0.4	66.0	0.0	0.0
03:00	39.84	0.19	4.40	5.17	25.60	0.45	0.29	0.00	0.02	17.1	1032.2	WSW	0.4	67.0	0.0	0.0
04:00	43.38	0.17	3.85	4.52	18.00	0.37	0.20	0.05	0.02	17.5	1031.8	n,p,	calma	68.0	0.0	0.0
05:00	40.98	0.16	3.65	4.28	27.40	0.39	0.47	0.02	0.02	18.3	1031.6	NNW	0.4	69.0	0.0	0.0
06:00	38.49	0.37	5.00	6.04	18.50	0.40	0.41	0.03	0.02	18.9	1031.2	NW	0.4	70.0	0.0	0.0
07:00	29.94	0.41	5.60	6.76	10.60	0.42	0.21	0.02	0.03	19.6	1031.1	W	0.4	70.0	0.0	0.0
08:00	34.92	1.42	6.58	9.01	11.70	0.43	0.26	0.02	0.02	20.1	1030.8	W	0.4	70.0	0.0	0.0
09:00	40.06	0.96	7.12	9.09	16.10	0.33	0.45	0.01	0.01	20.7	1031.6	NW	0.4	71.0	0.0	13.0
10:00	44.08	0.77	6.85	8.58	14.40	0.33	0.36	0.07	0.01	21.3	1032.1	n,p,	calma	66.0	0.0	162.0
11:00	48.95	0.65	6.60	8.16	15.20	0.42	0.26	0.07	0.01	21.8	1032.4	n,p,	calma	60.0	0.0	169.0
12:00	52.03	0.54	7.15	8.66	15.10	0.33	0.12	0.07	0.01	22.9	1032.2	SSE	0.4	55.0	0.0	354.0
13:00	54.56	0.42	6.55	7.85	15.80	0.36	0.24	0.04	0.02	24.3	1031.7	SE	0.4	51.0	0.0	440.0
14:00	58.42	0.38	5.35	6.45	16.50	0.33	0.25	0.03	0.02	25.7	1030.8	SSE	1.8	44.0	0.0	534.0
15:00	59.76	0.39	5.80	6.97	21.80	0.41	0.41	0.076	0.02	27.4	1030.1	S	1.3	40.0	0.0	445.0
16:00	59.29	0.33	7.20	8.48	27.90	0.44	0.44	0.07	0.01	26.6	1030.3	S	1.8	35.0	0.0	414.0
17:00	58.58	0.28	6.10	7.18	33.10	0.48	0.10	0.06	0.02	25.3	1030.1	WSW	2.7	33.0	0.0	296.0
18:00	56.16	0.21	5.00	5.87	22.50	0.37	0.11	0.05	0.02	24.1	1030.7	WSW	1.8	35.0	0.0	128.0
19:00	54.19	0.22	5.15	6.04	18.20	0.33	0.45	0.05	0.01	21.6	1031.5	NW	0.9	42.0	0.0	28.0
20:00	51.88	0.21	3.25	3.89	11.90	0.43	0.12	0.06	0.02	19.8	1031.5	NW	0.4	46.0	0.0	0.0
21:00	52.94	0.28	4.70	5.61	30.40	0.41	0.38	0.07	0.02	17.1	1032.1	n,p,	calma	48.0	0.0	0.0
22:00	48.76	0.32	3.45	4.24	20.20	0.31	0.33	0.06	0.01	15.9	1032.2	N	0.4	54.0	0.0	0.0
23:00	44.23	0.35	3.55	4.39	20.00	0.32	0.29	0.01	0.01	15.4	1032.5	NNE	0.4	59.0	0.0	0.0
00:00	40.44	0.41	4.16	5.14	24.30	0.43	0.31	0.04	0.00	15.6	1032.4	NW	0.4	57.0	0.0	0.0

Mean	47.58	0.42	5.49	6.65	20.71	0.39	0.29	0.04	0.02	20.4	1031.60		0.8	55.9	0.0	124.3
Min	29.94	0.16	3.25	3.89	10.60	0.31	0.10	0.00	0.00	15.4	1030.10		0.4	33.0	0.0	0.0
Max	59.76	1.42	8.80	10.37	35.60	0.48	0.47	0.08	0.03	27.4	1032.80		2.7	71.0	0.0	534.0

<b>PTS</b>
µg/m³
27.2

<b>Benzo(a)pirene</b>
ng/m³
< 0.2

<b>Sommatoria IPA</b>
ng/m³
< 0.2

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00407
Nichel	0.00286
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.141
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009



**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 18 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	42.72	0.45	4.48	5.55	28.40	0.33	0.35	0.02	0.01	15.8	1031.7	n,p,	calma	60.0	0.0	0.0
02:00	40.93	0.56	4.09	5.23	28.80	0.39	0.34	0.04	0.02	16.1	1031.4	n,p,	calma	61.0	0.0	0.0
03:00	38.99	0.44	5.64	6.84	30.20	0.41	0.42	0.21	0.02	16.7	1031.1	n,p,	calma	62.0	0.0	0.0
04:00	38.56	0.52	4.88	6.08	26.50	0.44	0.42	0.04	0.01	17.3	1030.5	n,p,	calma	65.0	0.0	0.0
05:00	37.95	0.62	3.59	4.74	22.50	0.31	0.38	0.06	0.02	17.5	1029.7	WSW	0.4	65.0	0.0	0.0
06:00	35.00	0.49	5.26	6.47	22.60	0.40	0.32	0.01	0.01	18.1	1029.3	S	0.4	64.0	0.0	0.0
07:00	34.49	0.43	6.43	7.72	18.30	0.43	0.39	0.01	0.02	18.7	1028.5	NE	0.4	65.0	0.0	0.0
08:00	33.63	0.35	4.55	5.52	14.70	0.53	0.36	0.01	0.02	19.0	1027.7	SE	1.8	62.0	0.0	0.0
09:00	31.63	0.33	5.61	6.69	12.60	0.56	0.41	0.08	0.01	19.4	1027.8	SE	4.5	59.0	0.0	11.0
10:00	29.94	0.38	5.29	6.38	11.00	0.35	0.27	0.02	0.02	20.1	1027.8	SE	4.5	57.0	0.0	27.0
11:00	31.85	0.42	4.32	5.34	10.70	0.54	0.28	0.01	0.01	22.4	1028.1	SE	1.8	57.0	0.0	58.0
12:00	39.37	0.43	4.68	5.75	11.80	0.55	0.39	0.03	0.02	23.7	1028.1	SE	1.8	55.0	0.0	114.0
13:00	48.38	0.42	3.21	4.09	12.10	0.27	0.25	0.00	0.01	24.5	1027.6	SE	1.3	50.0	0.0	160.0
14:00	51.34	0.60	4.53	5.77	13.20	0.27	0.31	0.08	0.02	26.1	1027.0	SE	1.8	45.0	0.0	222.0
15:00	51.99	0.65	4.48	5.77	14.30	0.31	0.31	0.01	0.03	28.3	1026.7	WSW	1.8	38.0	0.0	227.0
16:00	55.27	0.67	6.70	8.30	15.40	0.34	0.45	0.02	0.02	27.4	1027.0	WSW	6.7	38.0	0.0	371.0
17:00	54.50	0.56	6.00	7.38	17.30	0.51	0.25	0.03	0.02	25.4	1027.3	WSW	6.3	40.0	0.0	257.0
18:00	54.35	0.48	5.77	7.04	22.40	0.30	0.24	0.04	0.02	24.7	1027.4	WSW	4.9	44.0	0.0	130.0
19:00	53.25	0.58	4.24	5.43	23.80	0.35	0.33	0.01	0.01	23.0	1028.0	WSW	1.8	50.0	0.0	22.0
20:00	43.30	0.61	3.24	4.33	27.20	0.33	0.38	0.02	0.01	21.2	1028.3	SW	0.9	52.0	0.0	0.0
21:00	37.04	0.56	4.34	5.52	33.60	0.52	0.39	0.00	0.02	19.7	1029.3	SW	1.8	50.0	0.0	0.0
22:00	33.30	0.47	4.24	5.30	34.10	0.56	0.51	0.00	0.04	18.3	1029.6	SW	1.3	38.0	0.0	0.0
23:00	39.92	0.61	4.41	5.65	34.60	0.50	0.58	0.04	0.03	17.8	1029.8	NNW	0.9	42.0	0.0	0.0
00:00	38.99	0.45	4.92	5.99	35.50	0.36	0.42	0.03	0.02	17.2	1030.2	SE	0.9	45.0	0.0	0.0

Mean	41.53	0.50	4.79	5.95	21.73	0.41	0.36	0.03	0.02	20.8	1028.75		2.3	52.7	0.0	66.6
Min	29.94	0.33	3.21	4.09	10.70	0.27	0.24	0.00	0.01	15.8	1026.70		0.4	38.0	0.0	0.0
Max	55.27	0.67	6.70	8.30	35.50	0.56	0.58	0.21	0.04	28.3	1031.70		6.7	65.0	0.0	371.0

<b>PTS</b>
µg/m³
42.8

<b>Benzo(a)pirene</b>
ng/m³
< 0.2

<b>Sommatoria IPA</b>
ng/m³
< 0.2

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00408
Nichel	0.00286
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.142
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009

Il Responsabile del Laboratorio  
Dott. Francesco Troisi

**Data : 19 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	44.52	0.33	5.82	6.86	36.90	0.39	0.49	0.02	0.03	17.0	1030.8	W	0.9	48.0	0.0	0.0
02:00	43.15	0.31	4.76	5.65	36.40	0.47	0.32	0.02	0.02	16.5	1031.0	SSE	0.9	51.0	0.0	0.0
03:00	41.75	0.37	5.27	6.29	35.90	0.51	0.35	0.02	0.01	16.2	1031.0	ENE	0.4	51.0	0.0	0.0
04:00	40.40	0.43	6.10	7.28	33.90	0.34	0.27	0.02	0.01	16.6	1031.1	WNW	0.4	55.0	0.0	0.0
05:00	37.79	0.44	5.91	7.08	21.40	0.51	0.30	0.02	0.01	17.3	1031.0	NNE	0.4	56.0	0.0	0.0
06:00	38.16	0.48	4.27	5.30	20.50	0.49	0.24	0.00	0.01	17.9	1031.3	N	0.4	56.0	0.0	0.0
07:00	38.91	0.57	4.81	6.00	19.60	0.33	0.26	0.00	0.01	18.7	1031.6	SSW	0.4	58.0	0.0	0.0
08:00	34.11	0.65	4.83	6.11	17.00	0.34	0.37	0.03	0.01	19.4	1032.0	NNE	0.4	57.0	0.0	0.0
09:00	31.41	0.57	5.19	6.42	16.40	0.26	0.33	0.05	0.01	20.1	1032.6	S	1.3	47.0	0.0	16.0
10:00	32.54	0.52	4.67	5.79	14.30	0.38	0.30	0.00	0.01	22.7	1033.7	NW	1.3	53.0	0.0	77.0
11:00	36.19	0.49	5.89	7.11	10.10	0.33	0.26	0.00	0.01	23.6	1034.6	NW	1.3	49.0	0.0	135.0
12:00	42.08	0.41	5.38	6.46	10.00	0.44	0.30	0.02	0.01	24.5	1035.2	SW	0.9	44.0	0.0	213.0
13:00	50.56	0.59	6.17	7.54	11.90	0.49	0.26	0.00	0.01	25.4	1035.4	W	1.8	37.0	0.0	264.0
14:00	48.62	0.48	6.38	7.65	12.40	0.55	0.25	0.03	0.01	26.3	1035.2	WSW	1.3	33.0	0.0	298.0
15:00	52.96	0.44	6.71	7.97	17.00	0.47	0.14	0.028	0.01	27.8	1035.0	SW	1.8	33.0	0.0	374.0
16:00	52.67	0.35	6.31	7.42	23.70	0.36	0.10	0.02	0.01	26.1	1034.7	S	1.8	31.0	0.0	449.0
17:00	45.57	0.46	5.30	6.42	24.20	0.44	0.18	0.02	0.01	25.3	1034.8	S	1.3	32.0	0.0	214.0
18:00	42.62	0.58	4.96	6.24	27.90	0.30	0.22	0.01	0.01	23.6	1035.1	S	0.9	37.0	0.0	60.0
19:00	36.30	0.47	5.48	6.70	29.20	0.54	0.24	0.01	0.01	21.4	1035.5	n.p.	calma	44.0	0.0	22.0
20:00	33.38	0.37	5.45	6.55	31.10	0.30	0.29	0.05	0.01	19.8	1036.3	NNW	0.4	49.0	0.0	0.0
21:00	39.86	0.28	4.05	4.87	32.90	0.46	0.26	0.07	0.01	18.4	1036.9	NW	0.4	54.0	0.0	0.0
22:00	41.09	0.34	4.51	5.46	35.10	0.44	0.21	0.02	0.01	17.3	1037.5	WSW	0.4	53.0	0.0	0.0
23:00	45.03	0.36	4.53	5.50	36.00	0.29	0.19	0.00	0.01	16.8	1038.2	N	0.4	58.0	0.0	0.0
00:00	45.74	0.42	5.83	7.04	36.70	0.46	0.20	0.01	0.00	16.5	1038.7	SW	0.9	60.0	0.0	0.0

Mean	41.47	0.45	5.36	6.49	24.60	0.41	0.26	0.02	0.01	20.6	1034.13		0.9	47.8	0.0	88.4
Min	31.41	0.28	4.05	4.87	10.00	0.26	0.10	0.00	0.00	16.2	1030.80		0.4	31.0	0.0	0.0
Max	52.96	0.65	6.71	7.97	36.90	0.55	0.49	0.07	0.03	27.8	1038.70		1.8	60.0	0.0	449.0

<b>PTS</b> µg/m³	36.1
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<b>Benzo(a)pirene</b> ng/m³	< 0.2
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<b>Sommatoria IPA</b> ng/m³	< 0.2
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<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00408
Nichel	0.00285
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.191
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009

**Data : 20 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	45.96	0.39	4.22	5.19	36.90	0.39	0.20	0.06	0.00	17.2	1039.1	NNW	0.4	64.0	0.0	0.0
02:00	48.82	0.33	4.92	5.91	38.60	0.27	0.19	0.00	0.00	17.9	1039.6	NNW	0.4	64.0	0.0	0.0
03:00	46.59	0.30	4.63	5.55	23.00	0.37	0.20	0.02	0.03	18.5	1040.0	W	0.4	67.0	0.0	0.0
04:00	44.98	0.39	5.72	6.88	17.30	0.30	0.22	0.06	0.02	19.3	1039.9	WNW	0.4	67.0	0.0	0.0
05:00	46.14	0.42	5.02	6.12	13.50	0.34	0.16	0.10	0.02	19.7	1040.0	NW	0.9	69.0	0.0	0.0
06:00	47.51	0.45	4.31	5.36	13.80	0.35	0.19	0.13	0.01	20.1	1040.3	n,p,	calma	69.0	0.0	0.0
07:00	49.60	0.37	5.22	6.29	14.40	0.49	0.21	0.03	0.02	20.8	1040.6	WNW	0.4	70.0	0.0	0.0
08:00	49.26	0.46	5.71	6.95	20.00	0.42	0.15	0.03	0.03	20.9	1041.1	n,p,	calma	72.0	0.0	17.0
09:00	49.31	0.32	6.69	7.89	20.40	0.25	0.21	0.04	0.01	21.5	1041.8	n,p,	calma	69.0	0.0	153.0
10:00	49.36	0.46	6.67	8.03	20.10	0.32	0.31	0.04	0.05	22.6	1042.0	n,p,	calma	55.0	0.0	308.0
11:00	52.01	0.51	6.32	7.69	15.10	0.46	0.29	0.10	0.02	23.7	1042.1	SSE	0.4	46.0	0.0	412.0
12:00	51.42	0.66	5.73	7.12	14.30	0.41	0.29	0.05	0.01	25.1	1042.0	SW	0.9	37.0	0.0	535.0
13:00	51.10	0.51	5.63	6.84	13.30	0.53	0.42	0.02	0.02	26.7	1041.6	WSW	0.9	31.0	0.0	568.0
14:00	51.10	0.54	4.52	5.63	12.00	0.41	0.31	0.10	0.03	27.4	1040.9	S	0.9	32.0	0.0	540.0
15:00	51.06	0.45	4.62	5.65	15.50	0.45	0.3	0.052	0.01	28.6	1040.5	SE	1.8	32.0	0.0	456.0
16:00	51.05	0.52	5.65	6.87	16.00	0.41	0.26	0.02	0.02	27.1	1040.4	SSE	1.8	31.0	0.0	329.0
17:00	51.01	0.41	5.32	6.38	16.30	0.51	0.33	0.05	0.03	26.3	1040.5	SE	4.0	39.0	0.0	159.0
18:00	52.50	0.45	4.01	4.97	17.30	0.42	0.30	0.03	0.05	24.8	1040.8	SE	3.1	40.0	0.0	20.0
19:00	49.90	0.56	4.78	5.95	17.20	0.47	0.49	0.06	0.04	22.7	1041.7	SE	1.8	48.0	0.0	0.0
20:00	37.41	0.44	4.41	5.40	17.80	0.48	0.55	0.10	0.05	21.7	1042.2	SE	0.4	54.0	0.0	0.0
21:00	24.94	0.69	3.65	4.83	18.80	0.38	0.66	0.04	0.05	21.1	1042.6	W	0.4	61.0	0.0	0.0
22:00	23.74	0.67	3.98	5.18	19.00	0.36	0.57	0.06	0.03	20.8	1042.5	WNW	0.4	63.0	0.0	0.0
23:00	31.95	0.48	3.65	4.60	20.40	0.46	0.55	0.05	0.03	20.3	1042.8	WNW	0.4	66.0	0.0	0.0
00:00	32.34	0.30	3.48	4.21	21.50	0.50	0.73	0.67	0.06	19.5	1042.9	WNW	0.4	67.0	0.0	0.0

Mean	45.38	0.46	4.95	6.06	18.85	0.41	0.34	0.08	0.03	22.3	1041.16		1.0	54.7	0.0	145.7
Min	23.74	0.30	3.48	4.21	12.00	0.25	0.15	0.00	0.00	17.2	1039.10		0.4	31.0	0.0	0.0
Max	52.50	0.69	6.69	8.03	38.60	0.53	0.73	0.67	0.06	28.6	1042.90		4.0	72.0	0.0	568.0

<b>PTS</b> µg/m³
33.4

<b>Benzo(a)pirene</b> ng/m³
< 0.2

<b>Sommatoria IPA</b> ng/m³
< 0.2

<b>Metalli - Giornaliero</b> µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00407
Nichel	0.00284
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.193
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009

**Data : 21 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	34.46	0.36	4.26	5.14	23.60	0.45	0.56	2.53	0.04	18.7	1043.0	WNW	0.4	68.0	0.0	0.0
02:00	34.55	0.42	4.71	5.71	24.00	0.32	0.43	1.29	0.04	18.1	1043.0	NW	0.4	69.0	0.0	0.0
03:00	34.13	0.48	5.30	6.44	22.80	0.31	0.52	0.28	0.03	17.6	1043.0	n,p,	calma	71.0	0.5	0.0
04:00	36.70	0.37	4.86	5.82	20.50	0.42	0.44	0.14	0.03	17.2	1042.6	WNW	0.4	74.0	0.7	0.0
05:00	39.01	0.41	4.30	5.24	18.70	0.35	0.40	0.09	0.03	16.5	1042.4	n,p,	calma	76.0	0.2	0.0
06:00	32.95	0.49	4.73	5.81	15.40	0.27	0.29	0.08	0.03	16.7	1042.1	n,p,	calma	77.0	0.0	0.0
07:00	22.62	0.37	5.59	6.64	14.60	0.29	0.31	0.07	0.03	17.6	1042.1	n,p,	calma	77.0	0.0	0.0
08:00	19.79	0.48	5.93	7.14	13.40	0.36	0.38	0.07	0.01	18.4	1042.5	n,p,	calma	79.0	0.0	9.1
09:00	37.74	0.54	4.84	5.99	12.10	0.43	0.51	0.06	0.03	18.9	1042.9	n,p,	calma	80.0	0.0	49.0
10:00	45.82	0.64	5.52	6.86	11.80	0.55	0.43	0.06	0.02	19.3	1042.8	ENE	1.3	79.0	0.0	133.0
11:00	50.87	0.55	5.04	6.22	10.70	0.48	0.39	0.16	0.03	20.4	1042.6	SE	3.1	64.0	0.0	314.3
12:00	51.57	0.71	5.23	6.61	11.40	0.37	0.25	0.13	0.02	21.9	1041.6	SE	4.5	58.0	0.0	364.7
13:00	52.45	0.51	5.74	6.96	12.60	0.37	0.35	0.13	0.12	22.7	1041.5	SE	4.5	53.0	0.0	385.7
14:00	52.43	0.54	5.30	6.50	12.90	0.29	0.23	0.09	0.24	23.6	1040.8	SE	4.9	51.0	0.0	366.1
15:00	53.40	0.72	5.25	6.65	14.00	0.35	0.4	0.036	0.20	24.7	1040.5	SE	5.4	55.0	0.0	306.6
16:00	51.07	0.31	6.96	8.10	14.10	0.41	0.39	0.02	0.04	22.1	1040.1	SE	4.9	58.0	0.0	185.5
17:00	44.86	0.52	4.68	5.79	14.80	0.36	0.22	0.06	0.03	20.9	1039.8	SE	5.4	62.0	0.2	107.1
18:00	45.92	0.39	4.27	5.19	15.00	0.32	0.30	0.05	0.03	19.7	1039.7	SE	4.5	65.0	0.1	15.4
19:00	41.68	0.55	4.88	6.05	16.10	0.26	0.46	0.03	0.03	19.1	1039.8	SE	3.1	68.0	0.0	0.0
20:00	41.78	0.78	4.06	5.39	18.00	0.43	0.59	0.06	0.04	18.4	1039.5	SE	3.1	69.0	0.0	0.0
21:00	43.25	0.67	3.21	4.36	18.60	0.47	0.64	0.00	0.04	18.2	1039.2	SE	3.6	71.0	0.0	0.0
22:00	35.83	0.53	3.63	4.68	19.30	0.44	0.74	0.01	0.04	17.6	1038.8	SE	4.0	71.0	0.0	0.0
23:00	29.74	0.40	5.07	6.16	21.10	0.55	0.88	0.02	0.03	17.3	1038.1	SE	4.0	71.0	0.0	0.0
00:00	29.63	0.30	6.27	7.40	27.70	0.47	0.76	0.00	0.05	16.7	1037.4	SE	4.0	71.0	0.0	0.0

Mean	40.09	0.50	4.98	6.12	16.80	0.39	0.45	0.23	0.05	19.3	1041.08		3.4	68.2	0.1	93.2
Min	19.79	0.30	3.21	4.36	10.70	0.26	0.22	0.00	0.01	16.5	1037.40		0.4	51.0	0.0	0.0
Max	53.40	0.78	6.96	8.10	27.70	0.55	0.88	2.53	0.24	24.7	1043.00		5.4	80.0	0.7	385.7

<b>PTS</b>
µg/m³
30.5

<b>Benzo(a)pirene</b>
ng/m³
< 0.2

<b>Sommatoria IPA</b>
ng/m³
< 0.2

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00407
Nichel	0.00285
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.168
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009

**CAMPAGNA DI MONITORAGGIO LABORATORIO MOBILE**  
**Punto di Campionamento: ATM\_20**

Natura Srl  
Via Rossini, 16  
80026 Casoria - (NA)  
Tel. +39 081 5737038  
Fax + 39 081 5739776

**Data : 22 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	30.19	0.48	6.48	7.83	28.80	0.43	0.72	0.02	0.04	16.1	1037.1	SE	4.0	72.0	0.0	0.0
02:00	16.60	0.32	5.85	6.95	28.90	0.55	0.70	0.03	0.07	15.4	1036.6	SE	3.1	71.0	0.0	0.0
03:00	17.81	0.47	3.43	4.39	31.30	0.49	0.43	0.03	0.04	14.8	1036.4	SE	2.7	72.0	0.0	0.0
04:00	14.28	0.52	4.22	5.34	31.20	0.38	0.44	0.00	0.03	14.2	1035.2	SSE	0.9	73.0	0.0	0.0
05:00	12.65	0.49	5.86	7.15	28.20	0.47	0.37	0.04	0.03	13.5	1035.2	SSE	1.3	73.0	0.0	0.0
06:00	13.08	0.52	5.82	7.14	26.70	0.41	0.30	0.02	0.02	13.8	1035.1	SSE	3.1	72.0	0.0	0.0
07:00	7.05	0.67	4.39	5.70	29.80	0.56	0.36	0.01	0.02	14.7	1035.2	S	1.8	73.0	0.0	0.0
08:00	12.54	0.59	5.13	6.44	30.10	0.47	0.37	0.00	0.03	15.8	1035.5	NNE	0.9	73.0	0.0	6.0
09:00	31.23	0.40	3.29	4.15	27.50	0.39	0.35	0.04	0.02	16.3	1035.4	SE	2.7	62.0	0.0	128.0
10:00	42.61	0.44	4.19	5.21	24.40	0.43	0.34	0.04	0.02	18.9	1035.4	SE	4.9	60.0	0.0	342.0
11:00	49.91	0.34	3.49	4.31	19.80	0.52	0.31	0.04	0.01	20.7	1035.4	SSE	3.6	53.0	0.0	362.0
12:00	51.60	0.57	4.78	6.02	15.70	0.48	0.25	0.02	0.01	22.1	1034.6	SE	4.5	50.0	0.0	576.0
13:00	52.67	0.28	4.56	5.45	18.10	0.40	0.19	0.01	0.01	24.1	1034.3	SE	4.9	47.0	0.0	410.0
14:00	58.62	0.59	3.96	5.12	19.80	0.36	0.20	0.02	0.01	25.6	1033.8	SSE	3.6	42.0	0.0	450.0
15:00	56.84	0.60	3.76	4.91	20.80	0.41	0.17	0.01	0.02	27.2	1033.6	S	3.6	36.0	0.0	458.0
16:00	57.67	0.32	4.08	4.95	21.70	0.47	0.12	0.02	0.00	26.3	1033.8	SW	2.2	34.0	0.0	370.0
17:00	57.11	0.62	4.46	5.72	22.40	0.44	0.16	0.03	0.01	25.1	1034.4	WSW	2.7	34.0	0.0	206.0
18:00	55.91	0.60	4.66	5.92	22.50	0.51	0.17	0.02	0.01	23.6	1034.8	WSW	1.8	38.0	0.0	30.0
19:00	54.59	0.45	5.25	6.42	23.40	0.43	0.25	0.01	0.01	21.6	1036.0	NW	0.4	46.0	0.0	0.0
20:00	51.83	0.78	5.60	7.18	23.50	0.42	0.20	0.01	0.00	20.8	1036.8	NW	3.1	50.0	0.0	0.0
21:00	50.19	0.48	6.10	7.41	23.70	0.38	0.16	0.04	0.01	19.4	1037.1	WSW	2.2	52.0	0.0	0.0
22:00	47.61	0.45	6.76	8.12	25.30	0.31	0.20	0.01	0.01	17.1	1037.3	WSW	1.8	52.0	0.0	0.0
23:00	41.06	0.75	5.67	7.23	26.00	0.37	0.28	0.02	0.01	16.3	1038.1	SW	1.3	55.0	0.0	0.0
00:00	37.11	0.75	4.75	6.19	26.40	0.30	0.14	0.02	0.01	15.4	1038.2	NNW	1.8	50.0	0.0	0.0

Mean	38.36	0.52	4.86	6.05	24.83	0.43	0.30	0.02	0.02	19.1	1035.64		2.6	55.8	0.0	139.1
Min	7.05	0.28	3.29	4.15	15.70	0.30	0.12	0.00	0.00	13.5	1033.60		0.4	34.0	0.0	0.0
Max	58.62	0.78	6.76	8.12	31.30	0.56	0.72	0.04	0.07	27.2	1038.20		4.9	73.0	0.0	576.0

<b>PTS</b>
µg/m³
28.3

<b>Benzo(a)pirene</b>
ng/m³
< 0.2

<b>Sommatoria IPA</b>
ng/m³
< 0.2

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00407
Nichel	0.00285
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.167
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009

Il Responsabile del Laboratorio  
Dott. Francesco Troisi

**Data : 23 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	45.69	0.53	5.74	7.06	27.70	0.28	0.16	0.05	0.01	15.1	1038.7	WSW	2.7	49.0	0.0	0.0
02:00	41.99	0.43	5.13	6.26	28.00	0.33	0.17	0.00	0.00	16.3	1039.4	NW	2.2	49.0	0.0	0.0
03:00	39.50	0.68	4.60	5.94	27.70	0.36	0.14	0.05	0.00	16.8	1039.6	NW	0.9	54.0	0.0	0.0
04:00	28.68	0.55	4.48	5.66	26.40	0.41	0.11	0.03	0.00	17.5	1039.8	W	0.9	54.0	0.0	0.0
05:00	29.24	0.67	4.19	5.47	25.60	0.45	0.16	0.01	0.01	17.9	1039.9	WNW	0.4	55.0	0.0	0.0
06:00	29.99	0.76	4.27	5.66	24.70	0.39	0.16	0.07	0.01	18.3	1040.1	SW	0.4	56.0	0.0	0.0
07:00	33.74	0.74	5.05	6.52	23.50	0.42	0.12	0.01	0.02	19.1	1040.4	SE	0.4	56.0	0.0	0.0
08:00	37.67	0.66	5.15	6.54	22.10	0.52	0.24	0.00	0.01	20.8	1040.7	NW	0.4	59.0	0.0	14.0
09:00	41.86	0.65	4.85	6.19	21.30	0.41	0.24	0.02	0.01	20.9	1041.4	NW	0.4	59.0	0.0	96.0
10:00	46.07	0.54	4.19	5.32	20.80	0.39	0.21	0.02	0.02	21.7	1041.0	NNW	0.4	52.0	0.0	209.0
11:00	48.18	0.42	3.46	4.37	15.70	0.48	0.18	0.02	0.02	22.5	1040.9	n,p,	calma	44.0	0.0	387.0
12:00	48.28	0.39	3.93	4.86	14.80	0.39	0.12	0.02	0.02	23.4	1040.4	S	0.9	39.0	0.0	441.0
13:00	51.86	0.35	3.69	4.55	14.20	0.34	0.16	0.05	0.02	25.6	1039.6	SE	2.7	32.0	0.0	475.0
14:00	52.36	0.53	3.79	4.86	13.00	0.39	0.22	0.02	0.02	26.1	1038.7	SE	3.1	28.0	0.0	409.0
15:00	52.31	0.62	4.59	5.86	13.70	0.43	0.21	0.02	0.02	27.3	1038.2	S	1.8	27.0	0.0	206.0
16:00	52.39	0.67	3.46	4.65	18.80	0.49	0.23	0.04	0.02	26.4	1038.6	S	1.3	28.0	0.0	97.0
17:00	51.44	0.69	3.87	5.13	19.90	0.53	0.19	0.01	0.02	25.1	1038.7	SSW	0.9	37.0	0.0	29.0
18:00	45.25	0.79	3.60	4.94	9.90	0.46	0.27	0.01	0.02	23.8	1038.2	NW	1.8	53.0	0.0	4.0
19:00	44.23	0.64	3.67	4.85	10.00	0.38	0.28	0.03	0.02	21.7	1037.9	NW	0.9	56.0	0.0	0.0
20:00	42.53	0.48	3.50	4.48	16.90	0.47	0.28	0.04	0.02	19.5	1037.7	W	0.4	60.0	0.0	0.0
21:00	38.84	0.52	3.73	4.78	14.90	0.44	0.22	0.04	0.01	18.3	1038.0	n,p,	calma	59.0	0.0	0.0
22:00	36.99	0.67	3.34	4.51	15.10	0.49	0.24	0.00	0.01	18.0	1037.4	W	0.4	62.0	0.0	0.0
23:00	30.89	0.41	3.51	4.41	16.30	0.52	0.25	0.00	0.01	17.6	1036.9	NW	0.4	63.0	0.0	0.0
00:00	31.20	0.69	3.57	4.80	15.00	0.47	0.18	0.06	0.01	16.9	1036.9	n,p,	calma	65.0	0.0	0.0

Mean	41.72	0.59	4.14	5.32	19.00	0.43	0.20	0.03	0.01	20.7	1039.13		1.1	49.8	0.0	98.6
Min	28.68	0.35	3.34	4.37	9.90	0.28	0.11	0.00	0.00	15.1	1036.90		0.4	27.0	0.0	0.0
Max	52.39	0.79	5.74	7.06	28.00	0.53	0.28	0.07	0.02	27.3	1041.40		3.1	65.0	0.0	475.0

<b>PTS</b>
µg/m³
28.1

<b>Benzo(a)pirene</b>
ng/m³
< 0.2

<b>Sommatoria IPA</b>
ng/m³
< 0.2

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00407
Nichel	0.00285
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.191
Titanio	< 0.002
Vanadio	0.00275
Zinco	< 0.009

**Data : 24 ottobre 2023**

Time	O3 µg/m³	NO µg/m³	NO2 µg/m³	NOX µg/m³	PM10 µg/m³	CO mg/m³	Benzene µg/m³	Xileni µg/m³	Toluene µg/m³	TEMP E °C	Press mbar	DV °N	VV m/s	UR E %	PIOGGIA mm/H2O	IRRAG w/m2
01:00	34.45	0.53	4.01	5.11	11.40	0.38	0.22	0.07	0.01	16.5	1036.1	n,p,	calma	66.0	0.0	0.0
02:00	25.39	0.71	5.35	6.82	7.10	0.46	0.24	0.01	0.01	16.1	1035.7	n,p,	calma	66.0	0.0	0.0
03:00	20.71	0.67	4.75	6.02	15.70	0.30	0.19	0.03	0.00	16.3	1036.5	WSW	0.4	66.0	0.0	0.0
04:00	30.82	0.74	4.52	5.84	10.10	0.39	0.19	0.03	0.00	17.1	1036.1	NW	0.4	64.0	0.0	0.0
05:00	27.07	0.71	4.30	5.56	8.19	0.48	0.19	0.05	0.01	17.8	1035.8	SSW	0.4	66.0	0.0	0.0
06:00	25.30	0.46	3.94	4.88	9.70	0.44	0.13	0.04	0.02	18.4	1035.5	SW	0.4	67.0	0.0	0.0
07:00	24.04	0.79	4.46	5.83	8.30	0.33	0.17	0.02	0.01	18.9	1035.2	SW	1.3	64.0	0.0	0.0
08:00	28.44	0.78	4.69	6.07	9.40	0.50	0.22	0.22	0.02	18.7	1035.4	NW	0.9	64.0	0.0	12.0
09:00	42.44	0.61	4.55	5.73	7.20	0.27	0.16	0.07	0.02	19.5	1035.8	NW	2.2	56.0	0.0	141.0
10:00	40.96	0.53	3.72	4.72	9.80	0.39	0.29	0.06	0.01	20.4	1035.8	NNW	1.3	51.0	0.0	287.0
11:00	44.07	0.38	4.98	5.95	10.90	0.43	0.19	0.06	0.01	21.3	1035.8	SSE	0.9	46.0	0.0	413.0
12:00	44.56	0.64	5.46	6.77	9.60	0.42	0.24	0.07	0.02	22.7	1035.1	SE	1.3	41.0	0.0	501.0
13:00	43.57	0.46	5.28	6.37	7.10	0.36	0.20	0.01	0.02	24.6	1033.8	SSE	0.9	35.0	0.0	493.0
14:00	45.47	0.24	4.82	5.62	8.20	0.33	0.28	0.03	0.02	25.8	1033.0	SE	0.9	34.0	0.0	376.0
15:00	43.95	0.37	4.43	5.33	10.60	0.34	0.22	0.035	0.02	27.1	1032.2	ESE	4.0	43.0	0.0	395.0
16:00	43.91	0.24	5.01	5.83	16.90	0.27	0.13	0.07	0.01	26.8	1031.3	S	4.5	35.0	0.0	271.0
17:00	43.99	0.65	4.66	5.98	16.10	0.35	0.11	0.01	0.01	25.3	1031.3	S	3.1	41.0	0.0	58.0
18:00	41.56	0.50	4.38	5.49	29.90	0.50	0.17	0.04	0.03	23.7	1031.2	S	3.1	45.0	0.0	7.0
19:00	42.77	0.56	3.91	5.03	25.60	0.43	0.19	0.04	0.02	22.1	1030.5	SE	4.0	48.0	0.0	0.0
20:00	43.30	0.43	3.74	4.69	22.10	0.29	0.51	0.09	0.03	19.8	1030.0	SE	4.0	49.0	0.0	0.0
21:00	38.65	0.77	3.27	4.55	23.10	0.44	0.71	0.06	0.04	18.7	1029.6	SE	4.5	55.0	0.0	0.0
22:00	36.63	0.79	4.03	5.43	21.50	0.47	0.82	0.17	0.06	17.5	1028.4	SE	3.6	59.0	0.0	0.0
23:00	34.43	0.61	4.26	5.48	12.90	0.40	0.66	0.05	0.05	17.1	1027.1	SE	4.0	53.0	0.0	0.0
00:00	34.04	0.52	4.35	5.48	15.60	0.33	0.55	0.07	0.05	16.4	1026.4	SE	5.4	43.0	0.0	0.0

Mean	36.69	0.57	4.45	5.61	13.62	0.39	0.29	0.06	0.02	20.4	1033.07		2.3	52.4	0.0	123.1
Min	20.71	0.24	3.27	4.55	7.10	0.27	0.11	0.01	0.00	16.1	1026.40		0.4	34.0	0.0	0.0
Max	45.47	0.79	5.46	6.82	29.90	0.50	0.82	0.22	0.06	27.1	1036.50		5.4	67.0	0.0	501.0

<b>PTS</b>
µg/m³
26.1

<b>Benzo(a)pirene</b>
ng/m³
< 0.2

<b>Sommatoria IPA</b>
ng/m³
< 0.2

<b>Metalli - Giornaliero</b>	
µg/m³	
Alluminio	< 0.09
Arsenico	< 0.002
Cadmio	< 0.002
Cromo totale	< 0.002
Ferro	< 0.02
Manganese	0.00407
Nichel	0.00285
Piombo	< 0.002
Potassio	< 2
Rame	< 0.0009
Silicio	0.166
Titanio	< 0.002
Vanadio	0.00274
Zinco	< 0.009

RAPPORTO DI PROVA N. 23LA34020		DEL	
<b>COMMITTENTE:</b>	EMPEDOCLE 2 s.c.p.a.		
<b>INDIRIZZO COMMITTENTE:</b>	C.da Bigini Km.57+700 93100 CALTANISSETTA (CL)		
<b>PARTITA IVA E/O COD. FISCALE:</b>	IT02379310390		
<b>UBICAZIONE CAMPIONAMENTO:</b>	C.DA IMERA		
<b>PUNTO DI CAMPIONAMENTO:</b>	ATM_20		
<b>DESCRIZIONE CAMPIONE:</b>	RADIELLO		
<b>CAMPIONAMENTO A CURA DI:</b>	TECNICI DEL LABORATORIO NATURA SRL		
<b>NOME E COGNOME CAMPIONATORE:</b>	Claudio Girgenti		
<b>N° VERBALE DI CAMPIONAMENTO:</b>	20231025CG1800		
<b>DATA INIZIO CAMPIONAMENTO:</b> 11/10/2023	<b>ORA INIZIO CAMPIONAMENTO:</b>	00.00	
<b>DATA FINE CAMPIONAMENTO:</b> 25/10/2023	<b>ORA FINE CAMPIONAMENTO:</b>	23.59	
<b>DATA RICEZIONE CAMPIONE:</b> 27/10/2023	<b>ORA ACCETTAZIONE CAMPIONE:</b>	18.30	
<b>DATA ACCETTAZIONE CAMPIONE:</b> 27/10/2023			
<b>N° ACCETTAZIONE CAMPIONE:</b> 23LA34020			
<b>DATA INIZIO PROVE:</b> 30/12/2023	<b>DATA FINE PROVE:</b>	25/01/2024	

Parametro  
Metodo

U.M. Risultato Incertezza

### IDROCARBURI E RELATIVE FRAZIONI

IDROCARBURI RADIELLO + EPA 8015D 2003	µg/m§	< 28,1
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### COMPOSTI ORGANICI AROMATICI

BENZENE RADIELLO + EPA 8015D 2003	µg/m§	< 0,012
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TOLUENE RADIELLO + EPA 8015D 2003	µg/m§	< 0,013
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XILENE RADIELLO + EPA 8015D 2003	µg/m§	< 0,028
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#### Legenda:

U.M. = unità di misura

Cat.III = prova eseguita in campo

nd = non determinabile

nr = non rilevato

\* = prova non accreditata ACCREDIA

# = prova in subappalto

\$ = prova fornita dal cliente per la quale il laboratorio declina ogni responsabilità

► Parametro NON CONFORME

#### Informazioni fornite dal cliente per le quali il laboratorio declina ogni eventuale responsabilità:

PUNTO DI CAMPIONAMENTO, DESCRIZIONE CAMPIONE.

Il recupero dei singoli analiti è compreso tra l' 80% ed il 120%. Non si utilizza alcun fattore di correzione nel calcolo della concentrazione. Per le singole diossine, il recupero varia dal 63% al 170%.

Il criterio di valutazione utilizzato per l'espressione del giudizio di conformità è eseguito in conformità alle Linee Guida SNPA 34/2021 secondo la regola denominata "Accettazione semplice".

Il limite inferiore dei misurandi viene calcolato in funzione di pesate, diluizioni e primo punto retta (LR adjusted).

### GIUDIZIO DI CONFORMITÀ

NESSUN SUPERAMENTO - **CONFORME** rispetto al limite per i parametri analizzati.



**SEGUE RAPPORTO DI PROVA N. 23LA34020**

**DEL**

I risultati del presente rapporto di prova si devono intendere riferiti esclusivamente al campione sottoposto a prova.  
Il presente rapporto di prova non può essere riprodotto parzialmente se non previa approvazione scritta da parte di questo Laboratorio.

**Il Responsabile di Laboratorio**  
*Dott. Francesco Troisi*



-- Fine Rapporto di Prova --