

Allegato B - Variabili *ex post* - Legenda

Nome_variabile	Note esplicative	Unità di misura
Punti di misura	Punti di campionamento passivo	
Benzene_INV	Concentrazione di benzene misurata nel periodo invernale - marzo 2019	$\mu\text{g}/\text{m}^3$
Benzene_EST	Concentrazione di benzene misurata nel periodo estivo - maggio 2019	$\mu\text{g}/\text{m}^3$
Toluene_INV	Concentrazione di benzene misurata nel periodo invernale - marzo 2019	$\mu\text{g}/\text{m}^3$
TGM_MAG	Traffico giornaliero medio nel mese di maggio	veic/giorno
TGM_GEN	Traffico giornaliero medio nel mese di gennaio	veic/giorno
Distance	Distanza del punto di misura dalla strada più vicina	m
InvDist	Inverso di "Distance"	1/m
L_strade_25	Lunghezza delle strade in un buffer di raggio pari a 25 m	m
L_strade_50	Lunghezza delle strade in un buffer di raggio pari a 50 m	m
L_strade_75	Lunghezza delle strade in un buffer di raggio pari a 75 m	m
L_strade_100	Lunghezza delle strade in un buffer di raggio pari a 100 m	m
VMagDivDIS	Rapporto tra il traffico giornaliero medio e la distanza dalla strada più vicina	veic/giorno*m
VMagDivDIS2	Rapporto tra il traffico giornaliero medio e il quadrato della distanza dalla strada più vicina	veic/giorno*m ²
SUM_Vol25	Somma dei volumi degli edifici in un buffer di raggio pari a 25 m	m ³
SUM_Vol50	Somma dei volumi degli edifici in un buffer di raggio pari a 50 m	m ³
SUM_Vol75	Somma dei volumi degli edifici in un buffer di raggio pari a 75 m	m ³
SUM_Vol100	Somma dei volumi degli edifici in un buffer di raggio pari a 100 m	m ³
Area_COMM_100	Aree commerciali, industriali e pubbliche in un buffer di raggio pari a 100 m	m ²
High_density_25	Area ad elevata intensità abitativa in un buffer di raggio pari a 25 m	m ²
High_density_50	Area ad elevata intensità abitativa in un buffer di raggio pari a 50 m	m ²
High_density_75	Area ad elevata intensità abitativa in un buffer di raggio pari a 75 m	m ²
High_density_100	Area ad elevata intensità abitativa in un buffer di raggio pari a 100 m	m ²
Low_density_25	Area a bassa intensità abitativa in un buffer di raggio pari a 25 m	m ²
Low_density_50	Area a bassa intensità abitativa in un buffer di raggio pari a 50 m	m ²
Low_density_75	Area a bassa intensità abitativa in un buffer di raggio pari a 75 m	m ²
Low_density_100	Area a bassa intensità abitativa in un buffer di raggio pari a 100 m	m ²
UTM_X	coordinata metrica X in UTM32 WGS84	m
UTM_Y	coordinata metrica Y in UTM32 WGS84	m

Tab. 1 Benzene, inverno, *ex post* : variabile risposta e variabili predittive

Punti di misura	Benzene_INV	TGM_GEN	Distance	InvDist	L_strade_25	L_strade_50	L_strade_75	L_strade_100	VMagDivDIS	VMagDivDIS2
1	0.87	7988	9.71	0.10	79.05	190.30	376.77	556.12	822.878	84.768
2	1.05	15977	4.48	0.22	119.12	280.87	434.20	654.43	3564.416	795.209
3	0.88	1218	3.89	0.26	86.97	194.33	351.33	816.84	313.111	80.491
4	1.37	7988	4.96	0.20	119.02	248.58	488.63	694.35	1609.931	324.471
5	0.74	206	7.00	0.14	47.90	105.49	238.36	354.56	29.440	4.207
6	0.86	5200	5.86	0.17	48.52	99.24	149.37	224.23	886.640	151.179
7	0.96	5715	2.88	0.35	109.46	286.14	440.64	592.86	1984.351	689.002
8	1.08	7772	2.07	0.48	49.69	260.36	459.18	705.72	3756.787	1815.935
9	0.92	4719	4.15	0.24	49.18	140.14	312.17	402.83	1135.912	273.426
10	0.82	7772	7.46	0.13	47.58	115.94	200.36	392.19	1041.955	139.690
11	0.76	206	18.44	0.05	27.34	82.07	179.12	348.60	11.172	0.606
12	0.88	206	2.75	0.36	49.67	122.45	210.51	299.40	74.959	27.276
13	0.92	15740	8.21	0.12	47.04	181.64	288.39	391.32	1916.964	233.466
14	0.75	1757	2165.38	0.0005	0.00	0.00	0.00	0.00	0.811	0.000
15	0.87	17959	10.37	0.10	90.68	223.90	354.47	482.07	1731.012	166.847
16	1.02	7817	4.54	0.22	48.98	99.47	167.01	307.03	1720.410	378.638
17	0.78	312	104.37	0.01	72.25	150.57	214.40	357.46	2.989	0.029
18	0.95	5715	3.30	0.30	149.42	288.75	460.05	569.66	1729.706	523.514
19	0.80	5553	10.07	0.10	48.16	149.69	289.99	422.89	551.312	54.735
20	0.78	3011	4.51	0.22	49.55	100.06	182.78	272.38	668.136	148.258
21	1.34	2676	5.04	0.20	152.38	341.31	548.04	710.37	530.430	105.141
22	0.86	13294	9.13	0.11	58.56	146.06	223.70	299.95	1456.282	159.527
23	0.71	88	2.18	0.46	49.72	99.74	149.83	199.95	40.391	18.539
24	1.01	18277	5.20	0.19	77.81	188.98	312.73	392.25	3517.028	676.779
25	0.61	18277	200.03	0.005	0.00	0.00	0.00	0.00	91.372	0.457

Tab. 1 Benzene, i

[illegible]

Tab. 1 Benzene, i

Punti di misura	High_density_100	Low_density_25	Low_density_50	Low_density_75	Low_density_100	UTM_X	UTM_Y
1	15506.41	0.00	0.00	0.00	89.90	523965.325538	5048680.150930
2	12220.51	1071.10	4104.49	9032.12	13476.81	523606.224929	5048616.961070
3	6664.95	231.84	2237.05	6179.20	11335.94	523676.275493	5048722.338580
4	12786.25	647.52	3230.19	7411.58	13583.25	523156.571249	5048536.313490
5	1896.90	1674.01	6750.87	13385.40	18532.99	523380.453004	5048864.441510
6	4942.01	1661.68	6565.32	13720.06	22750.80	523132.681721	5048359.017610
7	0.00	585.61	3688.84	10775.59	23213.20	523319.851760	5048280.732590
8	0.00	1608.63	5908.79	13389.24	24076.44	523356.642770	5048249.670960
9	4632.77	1666.78	7047.29	14641.70	24136.50	523641.306643	5048407.740250
10	11782.27	291.79	2441.41	5702.83	9464.27	523807.418888	5048211.422400
11	505.31	1006.08	4648.09	10598.01	17077.79	523746.214243	5048860.381500
12	25044.84	0.00	0.00	860.14	4113.89	523824.363650	5048438.132230
13	0.00	0.00	0.00	0.00	0.00	524250.189569	5048502.213080
14	0.00	0.00	0.00	0.00	0.00	520580.914536	5046765.685390
15	0.00	0.00	0.00	0.00	0.00	524202.177373	5047923.808970
16	13494.89	0.00	0.00	0.00	302.86	523592.247875	5047605.787250
17	21537.85	0.00	0.00	0.00	0.00	523692.171563	5048053.825490
18	0.00	933.51	5713.98	14156.84	26326.48	523388.916057	5047832.267340
19	11817.61	69.20	1727.76	5824.90	9674.88	523002.705117	5047694.150640
20	8789.48	0.00	0.00	0.00	0.00	522863.170519	5048147.536020
21	15863.75	0.00	0.00	0.00	0.00	522566.999163	5048368.569040
22	0.00	1070.26	3908.34	7799.97	12195.40	523042.208981	5049374.118490
23	0.00	0.00	0.00	0.00	0.00	523909.164904	5047761.137330
24	8544.42	755.68	2199.02	3444.90	6329.65	522642.471233	5048774.465520
25	0.00	0.00	0.00	0.00	0.00	522726.557795	5049206.312950

Tab. 2 Benzene, estate, ex post : variabile risposta e variabili predittive

Punti di misura	Benzene_EST	TGM_MAG	Distance	InvDist	L_strade_25	L_strade_50	L_strade_75	L_strade_100	VMagDivDIS	VMagDivDIS2
1	0.57	7409	9.71	0.10	79.05	190.30	376.77	556.12	763.233	78.624
2	0.62	14821	4.48	0.22	119.12	280.87	434.20	654.43	3306.516	737.673
3	0.67	1091	3.89	0.26	86.97	194.33	351.33	816.84	280.463	72.098
4	1.02	7720	4.96	0.20	119.02	248.58	488.63	694.35	1555.917	313.585
5	0.51	204	7.00	0.14	47.90	105.49	238.36	354.56	29.154	4.166
6	0.57	5210	5.86	0.17	48.52	99.24	149.37	224.23	888.345	151.470
7	0.66	6230	2.88	0.35	109.46	286.14	440.64	592.86	2163.168	751.091
8	0.81	5870	2.07	0.48	49.69	260.36	459.18	705.72	2837.409	1371.531
9	0.54	4807	4.15	0.24	49.18	140.14	312.17	402.83	1157.095	278.525
10	0.73	5870	7.46	0.13	47.58	115.94	200.36	392.19	786.963	105.504
11	0.56	204	18.44	0.05	27.34	82.07	179.12	348.60	11.063	0.600
12	0.56	204	2.75	0.36	49.67	122.45	210.51	299.40	74.232	27.011
13	0.67	15740	8.21	0.12	47.04	181.64	288.39	391.32	1916.964	233.466
14	0.55	1757	2165.38	0.0005	0.00	0.00	0.00	0.00	0.811	0.000
15	0.60	17959	10.37	0.10	90.68	223.90	354.47	482.07	1731.012	166.847
16	0.64	7817	4.54	0.22	48.98	99.47	167.01	307.03	1720.410	378.638
17	0.53	312	104.37	0.01	72.25	150.57	214.40	357.46	2.989	0.029
18	0.62	6230	3.30	0.30	149.42	288.75	460.05	569.66	1885.576	570.690
19	0.51	5553	10.07	0.10	48.16	149.69	289.99	422.89	551.312	54.735
20	0.51	3011	4.51	0.22	49.55	100.06	182.78	272.38	668.136	148.258
21	0.98	2676	5.04	0.20	152.38	341.31	548.04	710.37	530.430	105.141
22	0.57	13294	9.13	0.11	58.56	146.06	223.70	299.95	1456.282	159.527
23	0.51	88	2.18	0.46	49.72	99.74	149.83	199.95	40.391	18.539
24	0.82	18277	5.20	0.19	77.81	188.98	312.73	392.25	3517.028	676.779
25	0.51	18277	200.03	0.005	0.00	0.00	0.00	0.00	91.372	0.457

Tab. 2 Benzene,

[illegible]

Tab. 2 Benzene,

Punti di misura	High_density_100	Low_density_25	Low_density_50	Low_density_75	Low_density_100	UTM_X	UTM_Y
1	15506.41	0.00	0.00	0.00	89.90	523965.325538	5048680.150930
2	12220.51	1071.10	4104.49	9032.12	13476.81	523606.224929	5048616.961070
3	6664.95	231.84	2237.05	6179.20	11335.94	523676.275493	5048722.338580
4	12786.25	647.52	3230.19	7411.58	13583.25	523156.571249	5048536.313490
5	1896.90	1674.01	6750.87	13385.40	18532.99	523380.453004	5048864.441510
6	4942.01	1661.68	6565.32	13720.06	22750.80	523132.681721	5048359.017610
7	0.00	585.61	3688.84	10775.59	23213.20	523319.851760	5048280.732590
8	0.00	1608.63	5908.79	13389.24	24076.44	523356.642770	5048249.670960
9	4632.77	1666.78	7047.29	14641.70	24136.50	523641.306643	5048407.740250
10	11782.27	291.79	2441.41	5702.83	9464.27	523807.418888	5048211.422400
11	505.31	1006.08	4648.09	10598.01	17077.79	523746.214243	5048860.381500
12	25044.84	0.00	0.00	860.14	4113.89	523824.363650	5048438.132230
13	0.00	0.00	0.00	0.00	0.00	524250.189569	5048502.213080
14	0.00	0.00	0.00	0.00	0.00	520580.914536	5046765.685390
15	0.00	0.00	0.00	0.00	0.00	524202.177373	5047923.808970
16	13494.89	0.00	0.00	0.00	302.86	523592.247875	5047605.787250
17	21537.85	0.00	0.00	0.00	0.00	523692.171563	5048053.825490
18	0.00	933.51	5713.98	14156.84	26326.48	523388.916057	5047832.267340
19	11817.61	69.20	1727.76	5824.90	9674.88	523002.705117	5047694.150640
20	8789.48	0.00	0.00	0.00	0.00	522863.170519	5048147.536020
21	15863.75	0.00	0.00	0.00	0.00	522566.999163	5048368.569040
22	0.00	1070.26	3908.34	7799.97	12195.40	523042.208981	5049374.118490
23	0.00	0.00	0.00	0.00	0.00	523909.164904	5047761.137330
24	8544.42	755.68	2199.02	3444.90	6329.65	522642.471233	5048774.465520
25	0.00	0.00	0.00	0.00	0.00	522726.557795	5049206.312950

Tab. 3 Toluene, inverno, ex post : variabile risposta e variabili predittive

Punti di misura	Toluene_INV	TGM_GEN	Distance	InvDist	L_strade_25	L_strade_50	L_strade_75	L_strade_100	VMagDivDIS	VMagDivDIS2
1	4.64	7988	9.71	0.10	79.05	190.30	376.77	556.12	822.878	84.768
2	4.97	15977	4.48	0.22	119.12	280.87	434.20	654.43	3564.416	795.209
3	3.89	1218	3.89	0.26	86.97	194.33	351.33	816.84	313.111	80.491
4	5.96	7988	4.96	0.20	119.02	248.58	488.63	694.35	1609.931	324.471
5	3.33	206	7.00	0.14	47.90	105.49	238.36	354.56	29.440	4.207
6	4.01	5200	5.86	0.17	48.52	99.24	149.37	224.23	886.640	151.179
7	4.47	5715	2.88	0.35	109.46	286.14	440.64	592.86	1984.351	689.002
8	4.79	7772	2.07	0.48	49.69	260.36	459.18	705.72	3756.787	1815.935
9	4.31	4719	4.15	0.24	49.18	140.14	312.17	402.83	1135.912	273.426
10	3.91	7772	7.46	0.13	47.58	115.94	200.36	392.19	1041.955	139.690
11	3.72	206	18.44	0.05	27.34	82.07	179.12	348.60	11.172	0.606
12	4.44	206	2.75	0.36	49.67	122.45	210.51	299.40	74.959	27.276
13	4.95	15740	8.21	0.12	47.04	181.64	288.39	391.32	1916.964	233.466
14	4.11	1757	2165.38	0.0005	0.00	0.00	0.00	0.00	0.811	0.000
15	4.66	17959	10.37	0.10	90.68	223.90	354.47	482.07	1731.012	166.847
16	5.13	7817	4.54	0.22	48.98	99.47	167.01	307.03	1720.410	378.638
17	3.58	312	104.37	0.01	72.25	150.57	214.40	357.46	2.989	0.029
18	4.60	5715	3.30	0.30	149.42	288.75	460.05	569.66	1729.706	523.514
19	3.94	5553	10.07	0.10	48.16	149.69	289.99	422.89	551.312	54.735
20	3.67	3011	4.51	0.22	49.55	100.06	182.78	272.38	668.136	148.258
21	6.11	2676	5.04	0.20	152.38	341.31	548.04	710.37	530.430	105.141
22	3.57	13294	9.13	0.11	58.56	146.06	223.70	299.95	1456.282	159.527
23	3.67	88	2.18	0.46	49.72	99.74	149.83	199.95	40.391	18.539
24	4.47	18277	5.20	0.19	77.81	188.98	312.73	392.25	3517.028	676.779
25	2.87	18277	200.03	0.005	0.00	0.00	0.00	0.00	91.372	0.457

Tab. 3 Toluene, in

[illegible]

Tab. 3 Toluene, in

Punti di misura	High_density_100	Low_density_25	Low_density_50	Low_density_75	Low_density_100	UTM_X	UTM_Y
1	15506.41	0.00	0.00	0.00	89.90	523965.325538	5048680.150930
2	12220.51	1071.10	4104.49	9032.12	13476.81	523606.224929	5048616.961070
3	6664.95	231.84	2237.05	6179.20	11335.94	523676.275493	5048722.338580
4	12786.25	647.52	3230.19	7411.58	13583.25	523156.571249	5048536.313490
5	1896.90	1674.01	6750.87	13385.40	18532.99	523380.453004	5048864.441510
6	4942.01	1661.68	6565.32	13720.06	22750.80	523132.681721	5048359.017610
7	0.00	585.61	3688.84	10775.59	23213.20	523319.851760	5048280.732590
8	0.00	1608.63	5908.79	13389.24	24076.44	523356.642770	5048249.670960
9	4632.77	1666.78	7047.29	14641.70	24136.50	523641.306643	5048407.740250
10	11782.27	291.79	2441.41	5702.83	9464.27	523807.418888	5048211.422400
11	505.31	1006.08	4648.09	10598.01	17077.79	523746.214243	5048860.381500
12	25044.84	0.00	0.00	860.14	4113.89	523824.363650	5048438.132230
13	0.00	0.00	0.00	0.00	0.00	524250.189569	5048502.213080
14	0.00	0.00	0.00	0.00	0.00	520580.914536	5046765.685390
15	0.00	0.00	0.00	0.00	0.00	524202.177373	5047923.808970
16	13494.89	0.00	0.00	0.00	302.86	523592.247875	5047605.787250
17	21537.85	0.00	0.00	0.00	0.00	523692.171563	5048053.825490
18	0.00	933.51	5713.98	14156.84	26326.48	523388.916057	5047832.267340
19	11817.61	69.20	1727.76	5824.90	9674.88	523002.705117	5047694.150640
20	8789.48	0.00	0.00	0.00	0.00	522863.170519	5048147.536020
21	15863.75	0.00	0.00	0.00	0.00	522566.999163	5048368.569040
22	0.00	1070.26	3908.34	7799.97	12195.40	523042.208981	5049374.118490
23	0.00	0.00	0.00	0.00	0.00	523909.164904	5047761.137330
24	8544.42	755.68	2199.02	3444.90	6329.65	522642.471233	5048774.465520
25	0.00	0.00	0.00	0.00	0.00	522726.557795	5049206.312950