

Tabella di sintesi dei risultati analitici delle indagini ambientali 2009 - Top soil

PARAMETRO	U.M.	CSC D.Lgs 152/06 Siti ad uso Commerciale e Industriale	TS1	TS2
			0-0,1 m	0-0,1 m
Amianto	mg/kg	1	<1	<1
Diossine	mg TE/kg	0,0001	0,000000362	0,0000107
PCB	mg TE/kg	5	0,0000212	0,00000124

Tabella di sintesi dei risultati analitici delle indagini ambientali 2009 - Terreni

PARAMETRO	U.M.	CSC D.Lgs 152/06 Siti ad uso Commerciale e Industriale	PSI				S2			S3			S4		
			0-1 m	7-8 m	11-12 m	14-15 m	0-1 m	7-8 m	14-15 m	0-1 m	7-8 m	14-15 m	0-1 m	7-8 m	14-15 m
Benzene	mg/kg	2	<0.01	<0.01	0.06	0.044	<0.01	<0.001	<0.001	<0.01	<0.01	0.044	<0.01	0.076	0.074
Etilbenzene	mg/kg	50	<0.01	<0.01	0.389	0.394	<0.01	<0.001	<0.001	<0.01	<0.01	0.394	<0.01	0.031	0.256
Stirene	mg/kg	50	<0.01	<0.01	0.179	0.217	<0.01	<0.001	<0.001	<0.01	<0.01	0.217	<0.01	0.012	0.137
Toluene	mg/kg	50	<0.01	<0.01	0.047	0.044	<0.01	<0.001	0.022	<0.01	<0.01	0.044	<0.01	0.289	1.272
Para-xilene	mg/kg	50	<0.01	<0.01	0.054	0.0594	<0.01	<0.001	<0.001	<0.001	<0.01	0.0594	<0.01	0.042	0.594
Nitilene	mg/kg	50	<0.01	<0.01	9.2	28.15	<0.01	0.89	<0.01	0.89	<0.01	18.44	<0.01	0.93	6.56
Acenafillene	mg/kg	50	0.04	0.03	0.66	0.09	<0.01	<0.001	<0.001	<0.01	<0.01	<0.001	<0.01	0.14	0.45
Acenafillene	mg/kg	50	0.03	<0.01	0.75	0.48	<0.01	<0.001	<0.001	<0.01	0.04	<0.001	<0.01	0.05	0.32
Fluorene	mg/kg	50	0.06	<0.01	3.5	0.8	<0.001	<0.001	0	<0.01	0.06	0	<0.01	0.32	0.75
Feniltriene	mg/kg	50	0.38	0.25	3.66	0.58	<0.001	<0.001	0.09	0.03	0.38	0.03	<0.01	0.88	0.44
Antracene	mg/kg	50	0.42	0.28	4.14	0.53	<0.001	<0.001	0.11	0.04	0.42	0.04	<0.01	0.96	0.72
Fluorantene	mg/kg	50	0.4	0.5	21.59	3.54	<0.001	<0.001	0.14	0.36	0.34	0.36	<0.01	3.15	0.23
Benzof(a) antracene	mg/kg	10	0.27	0.32	14.97	2.39	<0.01	<0.001	0.1	0.2	0.23	0.2	<0.01	2.03	0.59
Crisene	mg/kg	50	0.12	0.22	6.06	1.19	<0.01	<0.001	0.07	0.19	0.14	0.19	<0.01	1.33	1.34
Benzo (b) fluorantene	mg/kg	10	0.16	0.14	9.46	1.38	<0.01	<0.001	0.06	0.16	0.12	0.16	<0.01	1.18	1.56
Benzo (k) fluorantene	mg/kg	10	0.16	0.24	9.46	2.13	<0.01	<0.001	0.09	0.21	0.19	0.21	<0.01	1.49	1.68
Benzo (a) pirene	mg/kg	10	0.13	0.23	9.43	1.48	<0.01	<0.001	0.05	0.19	0.09	0.19	<0.01	0.65	0.35
Indeno (1,2,3 - c,d)pirene	mg/kg	5	0.13	0.11	5.5	1.18	<0.001	<0.001	0.05	0.09	0.11	0.09	<0.01	0.25	0.11
Dibenzof(a,b) antracene	mg/kg	5	<0.01	0.04	1.27	0.44	<0.001	<0.001	0.04	0.05	0.1	0.05	<0.01	0.12	0.06
Benzo (ghi) perillene	mg/kg	10	0.09	0.07	3.15	0.89	<0.001	<0.001	0.03	0.07	0.09	0.07	<0.01	0.2	0.22
Dibenzof(a,e) pirene	mg/kg	10	0.12	0.07	1.63	0.44	<0.001	<0.001	0.16	0.12	0.09	0.12	<0.01	0	0.3
Dibenzof(a,h) pirene	mg/kg	10	0.15	0.08	1.58	0.18	<0.001	<0.001	0.14	0	0.09	0	<0.01	0	0.11
Dibenzof(a,i) pirene	mg/kg	10	<0.01	<0.001	0.74	0.1	<0.001	<0.001	0	0	<0.01	0	<0.01	0	<0.01
Dibenzof(a,j) pirene	mg/kg	10	<0.01	<0.001	0.24	0.09	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Clorometano	mg/kg	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Triclorometano	mg/kg	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cloruro di vinile	mg/kg	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2 - dicloroetano	mg/kg	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1 - dicloroetilene	mg/kg	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tricloroetilene	mg/kg	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tetracloroetilene	mg/kg	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Esaclorobutadiene	mg/kg	20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1 - dicloroetano	mg/kg	30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2 - dicloroetilene	mg/kg	15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2 - dicloropropano	mg/kg	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,2 - tricloroetano	mg/kg	15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,3 - tricloropropano	mg/kg	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,1,2,2 - tetradicloroetano	mg/kg	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tribromometano	mg/kg	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2 - dibromometano	mg/kg	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibromoclorometano	mg/kg	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Bromodidiclorometano	mg/kg	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Note:
- parametro non normalo
CSC: Concentrazione Soglia di Contaminazione (Tabella 1, colonna B, Allegato 5, Titolo V, del D.Lgs. 152/06);

Tabella di sintesi dei risultati analitici delle indagini ambientali 2009 - Terreni

PARAMETRO	U.M.	CSC D.Lgs 152/06 Siti ad uso Commerciale e Industriale	PSI				S2			S3			S4		
			0-1 m	7-8 m	11-12 m	14-15 m	0-1 m	7-8 m	14-15 m	0-1 m	7-8 m	14-15 m	0-1 m	7-8 m	14-15 m
Monoclorobenzene	mg/kg	50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2 - diclorobenzene	mg/kg	50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,4 - diclorobenzene	mg/kg	10	<0.01	<0.01	0.024	0.16	<0.01	0.024	0.16	<0.01	0.024	0.16	<0.01	<0.01	<0.01
1,2,4 - triclorobenzene	mg/kg	50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2,4,5 - tetraclorobenzene	mg/kg	25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Pentaclorobenzene	mg/kg	50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Esaclorobenzene	mg/kg	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
C-12	mg/kg	250	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
G-12	mg/kg	750	10.04	765.26	85140	8791.3	<0.1	310	51970	<0.1	7890	93	<0.1	<0.1	1550
Metilfenolo	mg/kg	25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
fenolo	mg/kg	60	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2-clorofenolo	mg/kg	25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4-diclorofenolo	mg/kg	50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2,4,6-triclorofenolo	mg/kg	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Anilina	mg/kg	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-anisidina	mg/kg	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
m-p-anisidina	mg/kg	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
difenilammina	mg/kg	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
p-toluidina	mg/kg	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrobenzene	mg/kg	30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-dinitrobenzene	mg/kg	25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,3-dinitrobenzene	mg/kg	25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
clorotolueni	mg/kg	10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenico	mg/kg	50	9.801	5.312	36.87	5.63	<0.01	7.171	11.987	7.535	8.874	<0.01	7.847	5.083	8.928
Antimonio	mg/kg	30	<0.001	<0.001	<0.001	<0.001	4.887	<0.001	<0.001	<0.001	0	<0.001	<0.001	<0.001	<0.001
Cadmio	mg/kg	15	1.992	16.266	38.551	4.835	<0.001	1.01	20.002	1.205	15.375	3.002	1.54	2.1	6.23
Cobalto	mg/kg	250	3.626	12.101	12.158	3.463	0.345	3.365	3.739	1.837	9.729	2.226	3.032	2.698	8.029
Cromo totale	mg/kg	800	22.105	44.295	107.903	22.502	2.187	26.281	27.499	15	457.114	19.815	25.856	25.464	89.748
Cromo VI	mg/kg	15	<0.01	<0.01	<0.01	<0.01	4.483	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Berillio	mg/kg	10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tallio	mg/kg	10	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercurio	mg/kg	5	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Nichel	mg/kg	500	11.633	26.148	142.823	18.045	<0.006	25.82	43.687	8.72	556.018	7.972	26.65	18.984	131.999
Piombo	mg/kg	1000	10.831	31.442	649.54	72.738	5.626	51.63	88.296	67.545	104.928	16.526	7.333	16.285	89.898
Rame	mg/kg	600	12.209	10.992	196.311	38.494	2.473	14.166	31.84	6.932	63.901	5.422	13.068	16.742	94.807
Selenio	mg/kg	15	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Stagno	mg/kg	350	<0.001	<0.001	8.056	<0.001	8.056	<0.001	<0.001	<0.001	3.695	<0.001	<0.001	<0.001	<0.001
Vanadio	mg/kg	250	31.425	114.711	88.317	29.239	7.843	49.187	43.279	29.645	81.254	17.727	28.81	23.507	45.342
Zinco	mg/kg	1500	115.666	146.218	190.215	113.266	16.406	399.656	214.454	143.385	244.022	177.542	132.04	138.816	352.809
Fluoruri	mg/kg	2000	<0.01	<0.01	<0.01	<0.01	6.1178	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cianuri liberi	mg/kg	100	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Umidità	%	-	0.38	2.59	1.89	0.53	<0.01	1.9	0.26	0.46	1.6	4.76	0.51	1.85	2.72
Solfuro	g/kg	-	583.36	616.65	730.91	620.69	0.68	722.27	631.4	437.28	844.55	791.29	351.74	639.22	744.13
pH	-	-	9.24	10.85	9.71	9.92	9.27	11.96	12.33	9.28	9.35	11.32	9.37	11.32	9.37
FOC	g/kg	-	9.16	2.84	137.81	40.32	32.58	1.72	26.31	45.68	7.07	0.65	58.13	4.8	11.94

Note:
- parametro non normato
CSC: Concentrazione Scelte di Contaminazione (Tabella 1, colonna B, Allegato 5, Titolo V, del D.Lgs. 152/06);