

Tabella 3a - CSR Cumulate rischi sanitari - Sorgente 1

Rischi in modalità forward da Crap

Dettaglio Rischi - Suolo Superficiale			Commerciale on-site				Residenziale				Ricreativo	
Contaminante	Crapp	Csat	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
			Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor	
			R	HI	R	HI	R	HI	R	HI	R	HI
	mg/kg	mg/kg	-	-	-	-	-	-	-	-	-	-
DDE	5,28E+01	4,72E+00	4,38E-06	1,20E-01	-	-	5,04E-11	-	-	-	1,44E-12	-
Rischio Cumulato			4,38E-06	6,12E-01			5,04E-11				1,44E-12	

Dettaglio Rischi - Suolo Profondo			Commerciale on-site				Residenziale				Ricreativo	
Contaminante	Crapp	Csat	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
			Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
			R	HI	R	HI	R	HI	R	HI	R	HI
	mg/kg	mg/kg	-	-	-	-	-	-	-	-	-	-
Arsenico	3,65E+02	-	-	-	-	-	-	-	-	-	-	-
TCDD (2,3,7,8)	1,67E-03	\	-	-	-	-	-	-	-	-	-	-
Rischio Cumulato												

Dettaglio Rischi - Falda			Commerciale on-site				Residenziale				Ricreativo	
Contaminante	Crapp	Sol	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
			Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
			R	HI	R	HI	R	HI	R	HI	R	HI
	µg/L	µg/L	-	-	-	-	-	-	-	-	-	-
Mercurio elementare	1,76E+01	6,00E+01	-	2,94E-03	-	1,20E-02	-	1,24E-02	-	9,17E-02	-	1,55E-03
Triclorometano	1,90E+01	7,95E+06	6,44E-09	8,00E-06	2,61E-08	3,24E-05	3,25E-08	3,36E-05	2,40E-07	2,49E-04	4,06E-09	4,20E-06
Tricloroetilene	1,11E+00	1,28E+06	1,58E-10	5,40E-05	6,42E-10	2,19E-04	1,43E-09	2,27E-04	1,06E-08	1,68E-03	1,79E-10	2,84E-05
Tetracloroetilene	1,73E+01	2,06E+05	2,05E-10	5,52E-05	8,33E-10	2,24E-04	1,03E-09	2,32E-04	7,67E-09	1,72E-03	1,29E-10	2,90E-05
Tetracloruro di Carbonio (User)	1,22E+01	7,93E+05	5,87E-09	2,74E-05	2,39E-08	1,11E-04	2,96E-08	1,15E-04	2,20E-07	8,54E-04	3,70E-09	1,44E-05
Rischio Cumulato			1,27E-08	3,09E-03	5,15E-08	1,25E-02	6,45E-08	1,30E-02	4,78E-07	9,62E-02	8,07E-09	1,62E-03

	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
	Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor	
Rischi cumulati	4,39E-06	6,15E-01	5,15E-08	1,25E-02	6,46E-08	1,30E-02	4,78E-07	9,62E-02	8,07E-09	1,62E-03

Note:

CSR

 CSR cumulata

CSR

 CSR corrispondente a Crap

CSR cumulate e rischi associati

CSR	Commerciale on-site				Residenziale				Ricreativo	
	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
	Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor	
	R	HI	R	HI	R	HI	R	HI	R	HI
mg/kg	-	-	-	-	-	-	-	-	-	-
1,21E+01	1,00E-06	2,75E-02	-	-	1,16E-11	-	-	-	3,30E-13	-
	1,00E-06	2,75E-02			1,16E-11				3,30E-13	

CSR	Commerciale on-site				Residenziale				Ricreativo	
	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
	Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
	R	HI	R	HI	R	HI	R	HI	R	HI
mg/kg	-	-	-	-	-	-	-	-	-	-
3,65E+02	-	-	-	-	-	-	-	-	-	-
4,98E-02	-	-	-	-	-	-	-	-	-	-

CSR	Commerciale on-site				Residenziale				Ricreativo	
	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
	Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
	R	HI	R	HI	R	HI	R	HI	R	HI
µg/L	-	-	-	-	-	-	-	-	-	-
6,00E+01	-	1,00E-02	-	4,09E-02	-	4,23E-02	-	3,13E-01	-	5,28E-03
7,92E+01	2,68E-08	3,33E-05	1,09E-07	1,35E-04	1,35E-07	1,40E-04	1,00E-06	1,04E-03	1,69E-08	1,75E-05
1,05E+02	1,49E-08	5,09E-03	6,06E-08	2,07E-02	1,35E-07	2,14E-02	1,00E-06	1,58E-01	1,69E-08	2,68E-03
2,26E+03	2,67E-08	7,20E-03	1,09E-07	2,92E-02	1,34E-07	3,02E-02	1,00E-06	2,24E-01	1,68E-08	3,78E-03
5,55E+01	2,67E-08	1,25E-04	1,09E-07	5,05E-04	1,35E-07	5,23E-04	1,00E-06	3,88E-03	1,68E-08	6,55E-05
	9,51E-08	2,25E-02	3,87E-07	9,14E-02	5,39E-07	9,46E-02	4,00E-06	7,00E-01	6,74E-08	1,18E-02

	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
	Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor	
	1,10E-06	5,00E-02	3,87E-07	9,14E-02	5,39E-07	9,46E-02	4,00E-06	7,00E-01	6,74E-08	1,18E-02

CSR CSR corrisponde alla Cmax

Tabella 3b - CSR Cumulate rischi sanitari - Sorgente 2

Rischi in modalità forward da Crap

Dettaglio Rischi - Suolo Superficiale			Commerciale on-site				Residenziale				Ricreativo	
Contaminante	CRS	Csat	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
			Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor	
			R	HI	R	HI	R	HI	R	HI	R	HI
-	mg/kg	mg/kg	-	-	-	-	-	-	-	-	-	-
Rischio Cumulato			-	-	-	-	-	-	-	-	-	-

Dettaglio Rischi - Suolo Profondo			Commerciale on-site				Residenziale				Ricreativo	
Contaminante	CRS	Csat	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
			Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
			R	HI	R	HI	R	HI	R	HI	R	HI
	mg/kg	mg/kg	-	-	-	-	-	-	-	-	-	-
TCDD (2,3,7,8)	3.06e-3	4.98e-2	-	-	-	-	-	-	-	-	-	-
Rischio Cumulato			-	-	-	-	-	-	-	-	-	-

Dettaglio Rischi - Falda			Commerciale on-site				Residenziale				Ricreativo	
Contaminante	Crapp	Sol	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
			Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
			R	HI	R	HI	R	HI	R	HI	R	HI
	µg/L	µg/L	-	-	-	-	-	-	-	-	-	-
Mercurio elementare	1,76E+01	6,00E+01	-	2,94E-03	-	1,20E-02	-	1,24E-02	-	9,17E-02	-	1,55E-03
Triclorometano	1,90E+01	7,95E+06	6,44E-09	8,00E-06	2,61E-08	3,24E-05	3,25E-08	3,36E-05	2,40E-07	2,49E-04	4,06E-09	4,20E-06
Tricloroetilene	1,11E+00	1,28E+06	1,58E-10	5,40E-05	6,42E-10	2,19E-04	1,43E-09	2,27E-04	1,06E-08	1,68E-03	1,79E-10	2,84E-05
Tetracloroetilene	1,73E+01	2,06E+05	2,05E-10	5,52E-05	8,33E-10	2,24E-04	1,03E-09	2,32E-04	7,67E-09	1,72E-03	1,29E-10	2,90E-05
Tetracloruro di Carbonio (User)	1,22E+01	7,93E+05	5,87E-09	2,74E-05	2,39E-08	1,11E-04	2,96E-08	1,15E-04	2,20E-07	8,54E-04	3,70E-09	1,44E-05
Rischio Cumulato			1,27E-08	3,09E-03	5,15E-08	1,25E-02	6,45E-08	1,30E-02	4,78E-07	9,62E-02	8,07E-09	1,62E-03

CSR cumulate e rischi associati

CSR	Commerciale on-site				Residenziale				Ricreativo	
	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
	Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor	
	R	HI	R	HI	R	HI	R	HI	R	HI
mg/kg	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-

CSR	Commerciale on-site				Residenziale				Ricreativo	
	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
	Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
	R	HI	R	HI	R	HI	R	HI	R	HI
mg/kg	-	-	-	-	-	-	-	-	-	-
4.98e-2	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

CSR	Commerciale on-site				Residenziale				Ricreativo	
	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
	Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
	R	HI	R	HI	R	HI	R	HI	R	HI
µg/L	-	-	-	-	-	-	-	-	-	-
6,00E+01	-	1,00E-02	-	4,09E-02	-	4,23E-02	-	3,13E-01	-	5,28E-03
7,92E+01	2,68E-08	3,33E-05	1,09E-07	1,35E-04	1,35E-07	1,40E-04	1,00E-06	1,04E-03	1,69E-08	1,75E-05
1,05E+02	1,49E-08	5,09E-03	6,06E-08	2,07E-02	1,35E-07	2,14E-02	1,00E-06	1,58E-01	1,69E-08	2,68E-03
2,26E+03	2,67E-08	7,20E-03	1,09E-07	2,92E-02	1,34E-07	3,02E-02	1,00E-06	2,24E-01	1,68E-08	3,78E-03
5,55E+01	2,67E-08	1,25E-04	1,09E-07	5,05E-04	1,35E-07	5,23E-04	1,00E-06	3,88E-03	1,68E-08	6,55E-05
	9,51E-08	2,25E-02	3,87E-07	9,14E-02	5,39E-07	9,46E-02	4,00E-06	7,00E-01	6,74E-08	1,18E-02

Rischi cumulati	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
	Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor	
	1,27E-08	3,09E-03	5,15E-08	1,25E-02	6,45E-08	1,30E-02	4,78E-07	9,62E-02	8,07E-09	1,62E-03

	On-Site		On-Site		Off-Site		Off-Site		Off-Site	
	Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor	
	9,51E-08	2,25E-02	3,87E-07	9,14E-02	5,39E-07	9,46E-02	4,00E-06	7,00E-01	6,74E-08	1,18E-02

Note: CSR CSR cumulata CSR CSR corrispondente a Crap CSR CSR corrispondente a Csat/Csol CSR CSR corrisponde alla Cmax

Tabella 3c - CSR Cumulate rischi sanitari - Sorgente 3

Rischi in modalità forward da Crap

CSR cumulate e r

Rischi da CSR cumulate

Pettaglio Rischì - Suolo Superficiale			Ricreativo				Residenziale				Commerciale			
Contaminante	Crapp	Csat	On-Site		On-Site		Off-Site		Off-Site		Off-Site		Off-Site	
			Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor	
			R	HI	R	HI	R	HI	R	HI	R	HI	R	HI
	mg/kg	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-
Rame	5,84E+03	-	-	1,92E+00	-	-	-	9,09E-06	-	-	-	2,16E-06	-	-
Zinco	1,41E+02	-	-	6,18E-03	-	-	-	2,93E-08	-	-	-	5,20E-11	-	-
Aldrin	1,19E+00	1,40E+00	4,17E-05	6,49E-01	-	-	5,44E-10	-	-	-	1,08E-10	-	-	-
Dieldrin	2,49E-01	3,94E+00	8,21E-06	8,15E-02	-	-	1,07E-10	-	-	-	2,12E-11	-	-	-
Endrin	1,20E-01	5,05E+00	-	6,55E-03	-	-	-	2,49E-08	-	-	-	5,93E-09	-	-
Clordano	3,00E-02	3,79E+00	1,85E-08	1,42E-02	-	-	2,80E-13	9,33E-09	-	-	5,56E-14	2,22E-09	-	-
DDE	3,54E+01	4,72E+00	2,06E-05	1,64E+00	-	-	3,21E-10	-	-	-	6,36E-11	-	-	-
Benzo(a)antracene	1,04E+00	1,66E+00	8,54E-07	-	-	-	1,05E-11	-	-	-	1,16E-12	-	-	-
Benzo(a)pirene	1,24E+00	9,51E-01	1,02E-05	7,23E-02	-	-	1,25E-10	1,35E-04	-	-	1,38E-11	3,22E-05	-	-
Benzo(b)fluorantene	1,53E+00	8,99E-01	1,25E-06	-	-	-	1,54E-11	-	-	-	1,70E-12	-	-	-
Benzo(k)fluorantene	1,01E+00	4,70E-01	8,28E-08	-	-	-	1,02E-12	-	-	-	1,12E-13	-	-	-
Benzo(g,h,i)perilene	1,38E+00	4,11E-01	-	8,00E-04	-	-	-	9,99E-08	-	-	-	2,38E-08	-	-
Dibenzo(a,e)pirene	8,56E-01	2,75E-01	-	4,98E-04	-	-	-	6,21E-08	-	-	-	1,48E-08	-	-
Dibenzo(a,h)antracene	4,59E-01	4,76E+00	3,76E-06	-	-	-	4,63E-11	-	-	-	5,10E-12	-	-	-
Indenopirene	1,33E+00	3,71E-01	1,09E-06	-	-	-	1,34E-11	-	-	-	1,47E-12	-	-	-
Pirene	2,87E+00	7,35E+00	-	1,67E-03	-	-	-	2,08E-07	-	-	-	4,96E-08	-	-
Tetracloroetilene	6,59E-01	5,63E+01	8,06E-09	2,97E-03	-	-	4,16E-08	9,34E-03	3,35E-07	7,51E-02	9,92E-09	2,67E-03	4,37E-08	1,18E-02
Diclorobenzene (1,2)	4,30E+00	7,86E+01	-	2,31E-03	-	-	-	1,22E-02	-	9,80E-02	-	3,48E-03	-	1,53E-02
Pentaclorobenzene	1,80E+01	3,18E+00	-	5,93E-01	-	-	-	1,81E+00	-	1,87E+00	-	4,72E-01	-	2,43E-01
Rischio Cumulato			8,77E-05	4,99E+00	-	-	4,28E-08	1,83E+00	3,35E-07	2,04E+00	1,01E-08	4,78E-01	4,37E-08	2,70E-01

CSR	Rricreavvo				Residenziale				Commerciale			
	On-Site		On-Site		On-Site		On-Site		On-Site		On-Site	
	Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor	
	R	HI	R	HI	R	HI	R	HI	R	HI	R	HI
mg/kg	-	-	-	-	-	-	-	-				
2,22E+03	-	7,30E-01	-	-	-	3,45E-06	-	-		8,21E-07		
2,00E+03	-	8,77E-02	-	-	-	4,15E-07	-	-		7,38E-10		
2,85E-02	1,00E-06	1,56E-02	-	-	1,30E-11	-	-	-	2,59E-12			
3,03E-02	1,00E-06	9,93E-03	-	-	1,30E-11	-	-	-	2,58E-12			
1,20E-01	-	6,55E-03	-	-	-	2,49E-08	-	-		5,93E-09		
3,00E-02	1,85E-08	1,42E-02	-	-	2,80E-13	9,33E-09	-	-	5,56E-14	2,22E-09		
1,72E+00	1,00E-06	7,96E-02	-	-	1,54E-11	-	-	-	3,09E-12			
1,04E+00	8,54E-07	-	-	-	1,05E-11	-	-	-	1,16E-12			
1,22E-01	1,00E-06	7,09E-03	-	-	1,23E-11	1,32E-05	-	-	1,35E-12	3,16E-06		
1,22E+00	1,00E-06	-	-	-	1,23E-11	-	-	-	1,36E-12			
1,01E+00	8,28E-08	-	-	-	1,02E-12	-	-	-	1,12E-13			
1,38E+00		8,00E-04	-	-	-	1,00E-07	-	-		2,38E-08		
8,56E-01		4,98E-04	-	-	-	6,21E-08	-	-		1,48E-08		
1,22E-01	1,00E-06	-	-	-	1,23E-11	-	-	-	1,36E-12			
1,22E+00	1,00E-06	-	-	-	1,23E-11	-	-	-	1,35E-12			
7,35E+00		4,28E-03	-	-	-	5,33E-07	-	-		1,27E-07		
9,20E-01	1,13E-08	4,15E-03	-	-	5,82E-08	1,31E-02	4,68E-07	1,05E-01	1,38E-08	3,73E-03	6,10E-08	1,65E-02
4,30E+00		2,31E-03	-	-	-	1,22E-02	-	9,80E-02		3,48E-03		1,53E-02
4,00E-01		1,32E-02	-	-	-	4,04E-02	-	4,17E-02		1,05E-02		5,42E-03
	7,97E-06	9,76E-01	-	-	5,83E-08	6,57E-02	4,68E-07	2,45E-01	1,39E-08	1,77E-02	6,10E-08	3,72E-02

Dettaglio Rischi - Suolo Profondo			Ricreativo				Residenziale				Commerciale			
Contaminante	Crapp	Csat	On-Site		On-Site		Off-Site		Off-Site		Off-Site		Off-Site	
			Vapori Outdoor	Vapori Indoor	Vapori Outdoor	Vapori Indoor	Vapori Outdoor	Vapori Indoor	Vapori Outdoor	Vapori Indoor				
			R	HI	R	HI	R	HI	R	HI	R	HI	R	HI
	mg/kg	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-
Cobalto	7,66E+00	-	-	-	-	-	-	-	-	-	-	-	-	-
Piombo	2,89E+02	-	-	-	-	-	-	-	-	-	-	-	-	-
Rame	1,37E+03	-	-	-	-	-	-	-	-	-	-	-	-	-
Tallio	3,20E-01	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinco	1,54E+02	-	-	-	-	-	-	-	-	-	-	-	-	-
Aldrin	7,03E-02	1,40E+00	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	3,00E-01	3,94E+00	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	1,20E-01	5,05E+00	-	-	-	-	-	-	-	-	-	-	-	-
Clordano	3,00E-02	3,79E+00	-	-	-	-	-	-	-	-	-	-	-	-
DDE	8,18E+00	4,72E+00	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)antracene	1,79E+00	1,66E+00	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pirene	1,97E+00	9,51E-01	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluorantene	2,95E+00	8,99E-01	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluorantene	1,64E+00	4,70E-01	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perilene	1,93E+00	4,11E-01	-	-	-	-	-	-	-	-	-	-	-	-
Crisene	1,82E+00	3,62E-01	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,e)pirene	2,13E+00	2,75E-01	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,i)pirene	3,02E+00	4,76E+00	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,l)pirene	1,25E+01	8,17E-01	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)pirene	1,80E-01	5,01E-01	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)antracene	5,40E-01	4,76E+00	-	-	-	-	-	-	-	-	-	-	-	-
Indenopirene	1,95E+00	3,71E-01	-	-	-	-	-	-	-	-	-	-	-	-
Pirene	4,57E+00	7,35E+00	-	-	-	-	-	-	-	-	-	-	-	-
Pentaclorobenzene	8,63E+00	3,18E+00	-	5,69E-02	-	-	-	3,40E-01	-	7,02E-01	-	8,09E-02	-	9,15E-02
TCDD (2,3,7,8)	2,00E-02	4,98E-02	-	-	-	-	-	-	-	-	-	-	-	-
Rischio Cumulato				5,69E-02	-	-		3,40E-01		7,02E-01		8,09E-02		9,15E-02

CSR	Ricreativo				Residenziale				Commerciale			
	On-Site		On-Site		Off-Site		Off-Site		Off-Site		Off-Site	
	Vapori Outdoor	Vapori Indoor	Vapori Outdoor	Vapori Indoor	Vapori Outdoor	Vapori Indoor	Vapori Outdoor	Vapori Indoor	Vapori Outdoor	Vapori Indoor	Vapori Outdoor	Vapori Indoor
mg/kg	-	-	-	-	-	-	-	-	-	-	-	-
3,30E+01	-	-	-	-	-	-	-	-	-	-	-	-
4,07E+03	-	-	-	-	-	-	-	-	-	-	-	-
6,95E+04	-	-	-	-	-	-	-	-	-	-	-	-
2,79E+00	-	-	-	-	-	-	-	-	-	-	-	-
1,30E+03	-	-	-	-	-	-	-	-	-	-	-	-
1,40E+00	-	-	-	-	-	-	-	-	-	-	-	-
3,94E+00	-	-	-	-	-	-	-	-	-	-	-	-
5,05E+00	-	-	-	-	-	-	-	-	-	-	-	-
3,79E+00	-	-	-	-	-	-	-	-	-	-	-	-
2,02E+01	-	-	-	-	-	-	-	-	-	-	-	-
8,11E+00	-	-	-	-	-	-	-	-	-	-	-	-
7,40E+00	-	-	-	-	-	-	-	-	-	-	-	-
8,11E+00	-	-	-	-	-	-	-	-	-	-	-	-
6,15E+00	-	-	-	-	-	-	-	-	-	-	-	-
5,70E+00	-	-	-	-	-	-	-	-	-	-	-	-
8,64E+00	-	-	-	-	-	-	-	-	-	-	-	-
2,13E+00	-	-	-	-	-	-	-	-	-	-	-	-
4,76E+00	-	-	-	-	-	-	-	-	-	-	-	-
1,25E+01	-	-	-	-	-	-	-	-	-	-	-	-
5,01E-01	-	-	-	-	-	-	-	-	-	-	-	-
4,76E+00	-	-	-	-	-	-	-	-	-	-	-	-
5,90E+00	-	-	-	-	-	-	-	-	-	-	-	-
1,52E-01	-	-	-	-	-	-	-	-	-	-	-	-
6,75E-01	-	4,45E-03	-	-	-	2,66E-02	-	5,49E-02	-	6,33E-03	-	7,16E-03
2,90E-01	-	-	-	-	-	-	-	-	-	-	-	-
	-	4,45E-03	-	-	-	2,66E-02	-	5,49E-02	-	6,33E-03	-	7,16E-03

Dettaglio Rischi - Falda			Ricreativo				Residenziale				Commerciale			
Contaminante	Crapp	Sol	On-Site		On-Site		On-Site		On-Site		On-Site		On-Site	
			Vapori Outdoor		Cumulato Indoor		Vapori Outdoor		Cumulato Indoor		Vapori Outdoor		Cumulato Indoor	
			R	HI	R	HI	R	HI	R	HI	R	HI	R	HI
	µg/L	µg/L	-	-	-	-	-	-	-	-	-	-	-	-
Mercurio elementare	1,76E+01	6,00E+01	-	1,55E-03	-	-	-	1,24E-02	-	9,17E-02	-	2,94E-03	-	1,20E-02
Triclorometano	1,90E+01	7,95E+06	4,06E-09	4,20E-06	-	-	3,25E-08	3,36E-05	2,40E-07	2,49E-04	6,44E-09	8,00E-06	2,61E-08	3,24E-05
Tricloroetilene	1,11E+00	1,28E+06	1,79E-10	2,84E-05	-	-	1,43E-09	2,27E-04	1,06E-08	1,68E-03	1,58E-10	5,40E-05	6,42E-10	2,19E-04
Tetracloroetilene	1,73E+01	2,06E+05	1,29E-10	2,90E-05	-	-	1,03E-09	2,32E-04	7,67E-09	1,72E-03	2,05E-10	5,52E-05	8,33E-10	2,24E-04
Tetracloruro di Carbonio (User)	1,22E+01	7,93E+05	3,70E-09	1,44E-05	-	-	2,96E-08	1,15E-04	2,20E-07	8,54E-04	5,87E-09	2,74E-05	2,39E-08	1,11E-04
Rischio Cumulato			8,07E-09	1,62E-03	-	-	6,45E-08	1,30E-02	4,78E-07	9,62E-02	1,27E-08	3,09E-03	5,15E-08	1,25E-02
			On-Site		On-Site		On-Site		On-Site		On-Site		On-Site	
			Cumulato outdoor		Cumulato Indoor		Cumulato outdoor		Cumulato Indoor		Cumulato outdoor		Cumulato Indoor	
		Rischi cumulati	8,77E-05	5,05E+00	-	-	1,07E-07	2,18E+00	8,13E-07	2,84E+00	2,28E-08	5,62E-01	9,52E-08	3,74E-01

	Ricreativo				Residenziale				Commerciale			
CSR	On-Site		On-Site		Off-Site		Off-Site		Off-Site		Off-Site	
	Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor	
	R	Hl	R	Hl	R	Hl	R	Hl	R	Hl	R	Hl
µg/L	-	-	-	-	-	-	-	-	-	-	-	-
6,00E+01	-	5,28E-03	-	-	-	4,23E-02	-	3,13E-01	-	1,00E-02	-	4,09E-02
7,92E+01	1,69E-08	1,75E-05	-	-	1,35E-07	1,40E-04	1,00E-06	1,04E-03	2,68E-08	3,33E-05	1,09E-07	1,35E-04
1,05E+02	1,69E-08	2,68E-03	-	-	1,35E-07	2,14E-02	1,00E-06	1,58E-01	1,49E-08	5,09E-03	6,06E-08	2,07E-02
2,26E+03	1,68E-08	3,78E-03	-	-	1,34E-07	3,02E-02	1,00E-06	2,24E-01	2,67E-08	7,20E-03	1,09E-07	2,92E-02
5,55E+01	1,68E-08	6,55E-05	-	-	1,35E-07	5,23E-04	1,00E-06	3,88E-03	2,67E-08	1,25E-04	1,09E-07	5,05E-04
	6,74E-08	1,18E-02			5,39E-07	9,46E-02	4,00E-06	7,00E-01	9,51E-08	2,25E-02	3,87E-07	9,14E-02
	Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor		Cumulato indoor	
	8,03E-06	9,92E-01	-	-	5,97E-07	1,87E-01	4,47E-06	1,00E+00	1,09E-07	4,65E-02	4,48E-07	1,36E-01

Note

CSR

CSR cumulata

CSR

CSR corrispondente a Crap

CSR

CSR corrispondente a Csat/Csol

CSR

CSR corrisponde alla C_{max}

Tabella 3d - CSR Cumulate rischi sanitari - Sorgente 4

Rischi in modalità forward da Crap

Dettaglio Rischi - Suolo Superficiale			Comerciale on site				Commerciale off-site				Ricreativo	
Contaminante	Crapp	Csat	On-Site	On-Site	Off-Site		Off-Site		Off-Site		Off-Site	
			Cumulato outdoor		Vapori Indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor	
			R	HI	R	HI	R	HI	R	HI	R	HI
	mg/kg	mg/kg	-	-	-	-	-	-	-	-	-	-
Mercurio elementare	7,80E+01	1,50E+01	-	1,02E+00	-	-	-	1,02E+00	-	2,57E+00	-	5,35E-01
Rame	4,00E+03	-	-	5,54E-02	-	-	-	1,56E-07	-	-	-	8,20E-08
DDE	1,39E+01	4,72E+00	1,15E-06	3,16E-02	-	-	2,63E-12	-	-	-	1,66E-12	-
Rischio Cumulato			1,15E-06	1,11E+00			2,63E-12	1,02E+00		2,57E+00	1,66E-12	5,35E-01

Dettaglio Rischi - Suolo Profondo			Comerciale on site				Commerciale off-site				Ricreativo	
Contaminante	Crapp	Csat	On-Site	On-Site	Off-Site		Off-Site		Off-Site		Off-Site	
			Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
			R	HI	R	HI	R	HI	R	HI	R	HI
	mg/kg	mg/kg	-	-	-	-	-	-	-	-	-	-
Arsenico	3,10E+02	-	-	-	-	-	-	-	-	-	-	-
TCDD (2,3,7,8)	6,18E-03	4,98E-02	-	-	-	-	-	-	-	-	-	-
Rischio Cumulato												

Dettaglio Rischi - Falda			Comerciale on site				Commerciale off-site				Ricreativo	
Contaminante	Crapp	Sol	On-Site	On-Site	Off-Site		Off-Site		Off-Site		Off-Site	
			Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
			R	HI	R	HI	R	HI	R	HI	R	HI
	µg/L	µg/L	-	-	-	-	-	-	-	-	-	-
Mercurio elementare	1,76E+01	6,00E+01	-	2,94E-03	-	-	-	2,94E-03	-	1,20E-02	-	1,55E-03
Triclorometano	1,90E+01	7,95E+06	6,44E-09	8,00E-06	-	-	6,44E-09	8,00E-06	2,61E-08	3,24E-05	4,06E-09	4,20E-06
Tricloroetilene	1,11E+00	1,28E+06	1,58E-10	5,40E-05	-	-	1,58E-10	5,40E-05	6,42E-10	2,19E-04	1,79E-10	2,84E-05
Tetracloroetilene	1,73E+01	2,06E+05	2,05E-10	5,52E-05	-	-	2,05E-10	5,52E-05	8,33E-10	2,24E-04	1,29E-10	2,90E-05
Tetracloruro di Carbonio (User)	1,22E+01	7,93E+05	5,87E-09	2,74E-05	-	-	5,87E-09	2,74E-05	2,39E-08	1,11E-04	3,70E-09	1,44E-05
Rischio Cumulato			1,27E-08	3,09E-03			1,27E-08	3,09E-03	5,15E-08	1,25E-02	8,07E-09	1,62E-03

Rischi cumulati	On-Site	On-Site	Off-Site	Off-Site	Off-Site
	Cumulato outdoor	Vapori Indoor	Cumulato outdoor	Cumulato indoor	Cumulato outdoor
	1,16E-06	1,11E+00	0,00E+00	0,00E+00	1,27E-08
			1,02E+00	5,15E-08	2,58E+00
					8,07E-09
					5,37E-01

Note:

CSR

CSR cumulata

CSR

CSR corrispondente a Crap

CSR

CSR corrispondente a Csat/Csol

CSR

CSR corrisponde alla Cmax

CSR cumulate e rischi associati

CSR	Comerciale on site				Commerciale off-site				Ricreativo	
	On-Site	On-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	Cumulato outdoor		Vapori Indoor		Cumulato outdoor		Cumulato indoor		Cumulato outdoor	
	R	HI	R	HI	R	HI	R	HI	R	HI
mg/kg	-	-	-	-	-	-	-	-	-	-
2,76E+01	-	3,61E-01	-	-	-	3,61E-01	-	9,08E-01	-	1,89E-01
4,00E+03	-	5,54E-02	-	-	-	1,56E-07	-	-	-	8,20E-08
1,39E+01	1,15E-06	3,16E-02	-	-	2,63E-12	-	-	-	1,66E-12	-
	1,15E-06	4,48E-01			2,63E-12	3,61E-01		9,08E-01		1,89E-01

CSR	Comerciale on site				Commerciale off-site				Ricreativo	
	On-Site	On-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
	R	HI	R	HI	R	HI	R	HI	R	HI
mg/kg	-	-	-	-	-	-	-	-	-	-
3,10E+02	-	-	-	-	-	-	-	-	-	-
4,98E-02	-	-	-	-	-	-	-	-	-	-

CSR	Comerciale on site				Commerciale off-site				Ricreativo	
	On-Site	On-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	Vapori Outdoor		Vapori Indoor		Vapori Outdoor		Vapori Indoor		Vapori Outdoor	
	R	HI	R	HI	R	HI	R	HI	R	HI
µg/L	-	-	-	-	-	-	-	-	-	-
6,00E+01	-	1,00E-02	-	-	-	1,00E-02	-	4,09E-02	-	5,28E-03
7,92E+01	2,68E-08	3,33E-05	-	-	2,68E-08	3,33E-05	1,09E-07	1,35E-04	1,69E-08	1,75E-05
1,05E+02	1,49E-08	5,09E-03	-	-	1,49E-08	5,09E-03	6,06E-08	2,07E-02	1,69E-08	2,68E-03
2,26E+03	2,67E-08	7,20E-03	-	-	2,67E-08	7,20E-03	1,09E-07	2,92E-02	1,68E-08	3,78E-03
5,55E+01	2,67E-08	1,25E-04	-	-	2,67E-08	1,25E-04	1,09E-07	5,05E-04	1,68E-08	6,55E-05
	9,51E-08	2,25E-02	0,00E+00	0,00E+00	9,51E-08	2,25E-02	3,87E-07	9,14E-02	6,74E-08	1,18E-02

Rischi cumulati	On-Site	On-Site	Off-Site	Off-Site	Off-Site
	Cumulato outdoor	Vapori Indoor	Cumulato outdoor	Cumulato indoor	Cumulato outdoor
	1,25E-06	4,70E-01	0,00E+00	0,00E+00	9,52E-08
			3,83E-01	3,87E-07	1,00E+00
					6,74E-08
					2,01E-01