

SOIL SAMPLE ANALYTICAL DATA		Units	2000 - Dutch Target Level ^{1a}	2000 - Dutch Intervention Levels ^{1a}	2009 - Dutch Intervention Levels ^{1b}	Calculated SGV	Published SGV ²	C4SLs ³	Typical Soil Baseline ⁴	WAC - Inert ⁵	WAC - Non-hazardous ⁵	WAC - Hazardous ⁵	TP1-S1	TP2-S1 (Shallow)	TP2-S2 (Deep)	TP3-S1	TP4-S1
METALS	Arsenic	mg/kg	29	55	76		32	37	1-50				13	13	13	16	12
	Cadmium	mg/kg	0.8	12	13	5.28	10	26	0.1-1				<0.10	0.52	0.14	0.10	0.14
	Chromium	mg/kg	100	380	-	132.2		21	5-250				8.4	12	18	16	16
	Copper	mg/kg	36	190	190				2-100				32	12	15	16	17
	Lead	mg/kg	85	530	530	450		200	2-80				11	19	18	25	24
	Mercury	mg/kg	0.3	10	-				0.03-0.8				<0.10	<0.10	<0.10	<0.10	<0.10
	Nickel	mg/kg	35	210	100				0.5-100				13	18	20	14	24
	Selenium	mg/kg					350		0.2-2				<0.20	<0.20	0.52	0.57	0.63
	Boron	mg/kg							20-1000				3.7	6.4	<0.40	3.4	0.62
Zinc	mg/kg	140	720	720				10-200				38	39	45	50	60	
HYDROCARBONS	Total Aliphatic Hydrocarbons (>C5-C44)	mg/kg											<5.0	<5.0	<5.0	<5.0	<5.0
	Total Aromatic Hydrocarbons (>C5-C44)	mg/kg											<5.0	<5.0	<5.0	<5.0	<5.0
	Total Petroleum Hydrocarbons	mg/kg											<10	<10	<10	<10	<10
	Mineral Oil	mg/kg	50	5,000	5,000					500	-	-	<10	<10	<10	<10	<10
	MTBE [#]	ug/kg											<1.0	<1.0	<1.0	<1.0	<1.0
	Benzene [#]	ug/kg	10	1000	1100		330	870					<1.0	<1.0	<1.0	<1.0	<1.0
	Toluene [#]	ug/kg	10	130,000	32,000		610,000						<1.0	<1.0	<1.0	<1.0	<1.0
	Ethylbenzene [#]	ug/kg	30	50,000	110,000		350,000						<1.0	<1.0	<1.0	<1.0	<1.0
	m/p-Xylene [#]	ug/kg	100	25,000	17,000		230,000						<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene [#]	ug/kg					250,000						<1.0	<1.0	<1.0	<1.0	<1.0	
Sum of BTEX	mg/kg								6	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	
POLYCYCLIC AROMATIC HYDROCARBONS	Naphthalene	mg/kg											0.9	<0.10	<0.10	0.45	<0.10
	Acenaphthylene	mg/kg											0.11	<0.10	<0.10	<0.10	<0.10
	Acenaphthene	mg/kg											0.77	<0.10	<0.10	0.53	<0.10
	Fluorene	mg/kg											0.63	<0.10	<0.10	0.32	<0.10
	Phenanthrene	mg/kg											8.3	1.3	<0.10	2.8	<0.10
	Anthracene	mg/kg											1.3	0.35	<0.10	0.55	<0.10
	Fluoranthene	mg/kg											8.4	3.6	<0.10	4.5	<0.10
	Pyrene	mg/kg											7.7	3.6	<0.10	4	<0.10
	Benzo(a)anthracene	mg/kg											3.1	1.5	<0.10	1.8	<0.10
	Chrysene	mg/kg											3.2	1.7	<0.10	2	<0.10
	Benzo(b)+	mg/kg											5.7	3.1	<0.10	2.8	<0.10
	Benzo(k)fluoranthene	mg/kg											1.9	1	<0.10	0.94	<0.10
	Benzo(a)pyrene	mg/kg				928		5					5.4	2.7	<0.10	2.7	<0.10
	Indeno(123cd)pyrene	mg/kg											3.3	1.6	<0.10	1.4	<0.10
	Dibenzo(ah)anthracene	mg/kg											0.67	0.32	<0.10	0.32	<0.10
	Benzo(ghi)perylene	mg/kg											3.3	1.6	<0.10	1.5	<0.10
Coronene	mg/kg											3.3	1.6	<0.10	1.5	<0.10	
Total PAHs	mg/kg	1	40	40					100	-	-	55	22	<2.0	27	<2.0	
PHENOLS	Total Phenols	mg/kg	-	40	14		420						<0.10	<0.10	<0.10	<0.10	<0.10
PCB	Total 7 PCBs	mg/kg			1					1	-	-	<0.10	<0.10	<0.10	<0.10	<0.10
Dichlorodifluoromethane	Dichlorodifluoromethane	ug/kg											<1.0	<1.0	<1.0	<1.0	<1.0
	Chloromethane	ug/kg											<1.0	<1.0	<1.0	<1.0	<1.0

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VOLATILE ORGANIC COMPOUNDS	Vinyl Chloride	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Bromomethane	ug/kg											< 20	< 20	< 20	< 20	< 20
	Chloroethane	ug/kg											< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	Trichlorofluoromethane	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,1-Dichloroethene	ug/kg			300								< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Trans 1,2-Dichloroethene	ug/kg			1000								< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,1-Dichloroethane	ug/kg			15000								< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	cis 1,2-Dichloroethene	ug/kg			6400								< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Bromochloromethane	ug/kg											< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	Trichloromethane	ug/kg			5600								< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,1,1-Trichloroethane	ug/kg			15000								< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Tetrachloromethane	ug/kg			700								< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,1-Dichloropropene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,2-Dichloroethane	ug/kg											< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	Trichloroethene	ug/kg			2500								< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,2-Dichloropropane	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Dibromomethane	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Bromodichloromethane	ug/kg											< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	cis-1,3-Dichloropropene	ug/kg											< 10	< 10	< 10	< 10	< 10
	Trans-1,3-Dichloropropene	ug/kg											< 10	< 10	< 10	< 10	< 10
	1,1,2-Trichloroethane	ug/kg			10000								< 10	< 10	< 10	< 10	< 10
	Tetrachloroethene	ug/kg			8800								< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,3-Dichloropropane	ug/kg											< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	Dibromochloromethane	ug/kg											< 10	< 10	< 10	< 10	< 10
	1,2-Dibromoethane	ug/kg											< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
	Chlorobenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,1,1,2-Tetrachloroethane	ug/kg											< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
	Styrene	ug/kg			86000								< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Tribromomethane	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Isopropylbenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Bromobenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,2,3-Trichloropropane	ug/kg											< 50	< 50	< 50	< 50	< 50
	N-Propylbenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2-Chlorotoluene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,3,5-Trimethylbenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4-Chlorotoluene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Tert-Butylbenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,2,4-Trimethylbenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Sec-Butylbenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1,3-Dichlorobenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Isopropyltoluene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,4-Dichlorobenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
N-Butylbenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dichlorobenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dibromo-3-Chloropropane	ug/kg											< 50	< 50	< 50	< 50	< 50	
1,2,4-Trichlorobenzene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Hexachlorobutadiene	ug/kg											< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	

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1,2,3-Trichlorobenzene	ug/kg											< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

^{1a} Directorate-General for Environmental Protection (Department of Soil Protection) (2000) "Circular on target values and intervention values for soil remediation", Ministry of Housing, Spatial Planning and Environment, The Hague.

^{1b} Dutch Soil Remediation Circular 2009, Ministry of Housing, Spatial Planning and Environment, The Hague.

² UK Environment Agency Published Soil Guideline Values (SGVs) - for Residential Scenario.