



中华人民共和国国家标准

GB/T 18834 202
GB/T 18834 2002

生 态 环 境 部
国 家 市 场 监 督 管 理 总 局

	.....	ii
1	.....	1
2	.....	1
3	.....	5
4	.....	12
5	.....	20
6	.....	24
7	.....	32
A	.....	37
B	.....	41

	GB/T 18834-2002	
2002		
GB/T 18834-2002	179	315
	GB/T 18834-2002	

2.1.3

2.1.4

2.1.18

pH

2 3

2.2.3

2.2.4

2.2.5

2.2.2
2.2.6

2.3.2

3.3.10

3.3.9

3.3.9

-

3.5.3

3.5.3

4.2.2

4.3.5

4.5.1

4.5.5

4.5.6

4.5.4

4.5.1

4.7.1

5.2.19

6.3.3

6.3.2

6.3.4

6.3.2

6.3.4

150

540

7.3.1

7.3.1

50%

LOEC

CO₂

O₂

CO₂

O₂

tpeakmax

8.4.20

CO₂

μ

A

	5.2.1
7.4.8	5.2.4
	3.2.25
7.1.12	2.2.6
3.3.8	4.3.2
3.3.10	7.3.5
5.2.18	3.2.19
5.2.19	2.2.5
3.5.6	2.2.8
3.4.3	6.3.15
6.3.20	4.6.5
7.4.19	
3.5.9	7.4.20
2.1.12	4.2.5
4.5.2	7.4.17
4.5.1	7.4.10
2.1.14	6.3.16
6.3.7	7.4.12
2.1.15	2.3.1
6.4.22	4.7.1
7.3.6	3.3.5
5.2.21	6.3.18
	3.3.6
4.1.1	4.2.10
4.1.5	3.2.7
4.4.2	6.4.25
4.4.1	5.2.15
4.2.14	7.3.4
4.1.2	4.3.1
4.1.4	4.2.13
4.4.4	2.2.9
4.4.3	6.4.6
4.1.3	7.4.7
4.1.6	7.3.1
4.1.7	4.3.4
7.1.1	
7.2.3	7.4.15
4.4.14	7.4.16
4.3.6	

7.3.3	6.4.19
6.3.14	5.1.1
4.7.6	5.1.2
3.3.9	5.2.24
3.2.8	
6.3.12	
3.2.18	
3.2.15	
3.2.30	
4.2.19	
4.2.11	
4.6.3	
6.4.15	
5.2.12	
5.2.13	
3.2.29	
2.1.19	
4.3.3	
6.3.19	
4.2.17	
4.6.1	
6.3.10	
4.7.3	
4.7.2	
3.2.22	
3.2.11	
6.4.32	
5.2.6	
3.2.24	
2.1.16	
6.4.2	
7.4.18	
4.5.5	
6.4.13	
5.2.2	
7.2.4	
4.6.2	
3.2.10	
7.4.11	
7.4.13	
3.3.2	

3.4.6	6.3.1
3.2.6	6.3.4
6.4.1	6.3.2
	6.3.3
4.4.10	
6.4.16	
6.4.17	
6.4.20	
5.1.5	
2.2.4	
6.4.28	
3.3.7	
3.3.4	
6.4.3	
6.4.11	
7.1.6	
6.4.10	
3.2.31	
3.2.17	
5.2.10	
7.1.7	
6.4.9	
6.4.23	
6.4.21	
7.2.2	
4.3.5	
7.1.4	
7.1.3	
7.1.5	
7.1.2	
5.2.7	
2.2.3	
6.3.17	
2.2.7	
4.5.7	
4.2.8	
2.1.23	
3.5.3	
5.2.9	
6.4.7	
6.3.5	
6.3.6	

-

3.2.33

2.1.8

2.1.3

2.1.5

6.4.8

2.2.12

2.2.13

6.3.8

2.2.2

5.2.16

5.2.17

7.4.1

7.4.5

2.1.24

4.4.11

6.4.31

5.2.3

2.3.3

5.2.14

7.1.13

6.4.12

6.4.14

3.2.5

3.2.4

3.2.26

4.2.16

4.2.15

4.5.6

4.5.4

3.2.28

7.4.9

4.4.7

4.4.8

B

A

abiotic degradation	3.2.18
acceptable risk level	5.2.20
accumulation	3.2.9
active soil-gas sampling	3.4.2
adsorption	3.2.26
aerobic	2.1.16
aerobic biological treatment	6.4.4
aggressive soil conditions	3.2.29
air-sparging	6.4.26
ammonification	7.4.8
anaerobic	2.1.17
anaerobic biological treatment	6.4.5
anisotropy	4.7.2
anthropogenic change	5.1.5
available water capacity	2.1.25
avoidance behaviour	7.2.4

B

background concentration	3.5.6
basal respiration	7.4.11
basal respiration rate	7.4.13
bedrock	3.3.2
bioavailability	5.2.10
biochar	6.4.21
bioconcentration factor	3.2.31
biodegradation	3.2.17
biodiversity	7.1.6
biological remediation	
biological treatment	6.4.3
biomass	7.1.7
bioreactor	6.4.10
biotreatment bed	6.4.11
bioventing	6.4.9
boring	4.4.6
bottom barrier system	6.3.16
break layer	6.3.10

C

capillary water	3.3.3
certified reference material	4.5.2

chemical treatment	6.4.13
chemico-physical treatment	6.4.14
clay content	3.1.3
cluster sample	4.2.4
composite extract	4.3.2
composite sample	4.3.3
composting	6.4.6
contaminant of concern	5.2.6
contaminant release assessment	5.2.14
contaminated site	2.3.3
control soil	7.3.1
control substrate	7.4.7
core	4.4.7
cover system	6.3.19
critical concentration	3.5.7
critical load	3.5.8
cross contamination	4.4.17
cumulative CO ₂ evolution	7.4.15
D	
decomposition	3.2.15
degradation	3.2.16
degraded land	2.2.12
degraded soil	2.2.13
diapause	7.2.1
direct thermal desorption	6.4.18
displacement barrier	6.3.12
dissolved organic carbon	2.1.22
disturbed sample	4.4.10
dredged material	2.2.3
drilling	4.4.5
drying	4.6.1
E	
effect concentration for x effect	7.1.8
electrokinetic remediation	6.4.25
engineering-based methods	6.2.1
environmental background values of soil	3.5.1
environmental fate analysis	5.2.2
environmental site investigation	5.2.1
essential trace element	3.5.9
excavated barrier	6.3.11
excavated soil	2.2.2
excavation	6.3.8
exposure assessment	5.2.18
exposure pathway	5.2.19

ex-situ remediation		6.2.3
	F	
field blank sample		4.5.4
field capacity		2.1.23
field spike		4.5.6
fill material		2.2.6
filter characteristics		3.2.24
fresh sample		4.4.9
	G	
gas monitoring well		3.4.6
geocomposite		6.3.6
geogrid		6.3.1
geomembrane		6.3.2
geoproducts		6.3.5
geostatistics		4.7.1
geosynthetics		6.3.4
geotextile		6.3.3
germination		7.3.3
groundwater		3.3.5
groundwater extraction		6.3.18
groundwater surface		3.3.6
growth		7.2.2
	H	
habitat function		3.2.23
hazard index		5.2.17
hazard quotient		5.2.16
hazardous substances		3.5.10
health risk assessment for contaminated site		5.2.3
homogeneity		4.7.3
hormesis		7.3.4
humus		2.1.19
hydraulic measures		6.3.17
hyphae		7.4.2
	I	
immobilization		3.2.11
incineration		6.4.15
indicator substance		5.2.11
indigenous		6.4.8
indirect thermal desorption		6.4.19
inhibitory dose		7.1.9
injected barrier		6.3.13
in-situ remediation		6.2.2
isolation		6.3.9
	J	

judgemental sampling		4.2.18
	K	
kriging		4.7.4
	L	
laboratory sample		4.3.5
landfarming		6.4.7
leaching		3.2.12
lessivage		3.2.13
lethal concentration _x		7.1.10
limiting factor		3.2.28
log		4.4.8
lowest observed effect concentration		7.1.11
	M	
manufactured soil		2.2.4
median lethal concentration		7.1.12
metabolic quotient		7.4.17
microbial activity		7.4.5
microorganisms		7.4.1
mineralization		3.2.14
mixing		4.6.2
mobile treatment system		6.4.33
mobilization		3.2.10
monitoring		5.1.1
monitoring site		5.1.2
multistage sampling		4.3.4
mycelium		7.4.3
mycorrhizal fungus		7.4.4
	N	
natural attenuation		6.1.6
natural background concentration		3.5.5
natural background value		3.5.4
natural soil material		2.2.10
nitrification		7.4.9
nitrogen mineralization		7.4.10
no observed effect concentration		7.1.13
non-extractable residues		7.3.6
non-point source input		3.2.8
	O	
one-stage-soil-gas sampling		3.4.4
organic carbon		2.1.20
organic matter		2.1.18
	P	
parent material		2.1.13
particle size distribution		3.1.4

partition coefficient	3.2.30
partition coefficient between soil and plant	3.2.33
partition coefficient between soil organic matter and soil water	3.2.34
passive soil-gas sampling	3.4.3
pathway	5.2.9
pedo-geochemical background value	3.5.2
perched groundwater	3.3.7
percolating water	3.3.4
permanent monitoring areas	5.1.3
persistence	3.2.25
physical treatment	6.4.12
phytoavailability	3.2.27
phytoremediation	6.4.24
point source input	3.2.7
post-treatment measures	6.4.2
potential sensitive targets	5.2.5
prediction	4.7.5
pretreatment measures	6.4.1
primary degradation	3.2.19
probabilistic sampling	4.2.17
profile description	4.4.13
pump and treat system	6.3.20
pyrolysis	6.4.20
	Q
quality control sample	4.5.3
quantitative risk assessment	5.2.15
	R
rate of CO ₂ formation	7.4.16
reactive barrier	6.3.14
receptor	5.2.7
reference material	4.5.1
reference soil	7.1.1
remediation objective	6.1.7
remediation target value	6.1.8
replicate sample	4.2.9
representative sample	4.2.5
respiratory activation quotient	7.4.18
retention function	3.2.22
reuse of soil material	2.2.11
riffling	4.6.3
risk analysis	5.2.12
risk assessment	5.2.13
risk control values for soil and groundwater	5.2.22
risk intervention values for soil contamination of agricultural land	5.2.27

risk intervention values for soil contamination of land for construction	5.2.28
risk screening values for soil contamination of agricultural land	5.2.25
risk screening values for soil contamination of land for construction	5.2.26
S	
sample	4.2.1
sample pretreatment	4.6.4
sample storage	4.4.15
sample transportation	4.4.16
sampling	4.1.1
sampling design	4.1.6
sampling error	4.1.7
sampling network	4.2.14
sampling objective	4.1.3
sampling plan	4.1.4
sampling point	4.4.1
sampling procedure	4.1.5
sampling programme	4.1.2
sampling record	4.4.4
sampling site	4.4.2
sampling technique	4.4.3
saturated zone	3.3.10
scenario	5.2.4
seedling emergence	7.3.5
segment	4.2.13
selective sample	4.2.6
sequential sample	4.2.7
simple random sample	4.2.8
single sample	4.3.1
site	2.3.1
soil	2.1.1
soil bulk density	3.1.1
soil characterization	2.1.10
soil contamination of agricultural land	5.2.23
soil contamination risk of land for construction	5.2.24
soil damage	5.1.4
soil degradation	3.2.2
soil environment	2.1.2
soil environment quality	2.1.4
soil environmental quality assessment	2.1.6
soil flushing	6.4.29
soil functions	3.2.21
soil gas	3.4.1
soil material	2.2.1
soil microbial biomass	7.4.6

soil mixture ratio	7.3.2
soil pollution	6.1.1
soil pores	2.1.9
soil porosity	3.1.2
soil processes	3.2.1
soil profile	4.4.12
soil protection	6.1.2
soil purification	6.1.5
soil quality	2.1.3
soil quality assessment	2.1.5
soil reaction	2.1.11
soil remediation	6.1.4
soil respiration rate	7.4.14
soil restoration	6.1.3
soil salinization	3.2.3
soil sample bank	5.1.7
soil specimen bank	5.1.6
soil structure	2.1.7
soil texture	2.1.8
soil vapor extraction	6.4.27
soil washing	6.4.30
soil water	3.3.1
soil water content	3.1.5
soil-water partition coefficient	3.2.32
solidification	6.4.32
solvent extraction	6.4.28
source	5.2.8
soil sampling	7.4.19
specimen	4.2.2
split sample	4.5.5
spot sample	4.2.10
stabilization	6.4.31
standard soil	2.1.12
statistical characteristic	3.5.3
stockpile	2.2.9
stratified sample	4.2.11
stratified sampling	4.2.19
subhydric soils	2.2.7
subsample	4.2.3
subsampling	4.6.5
subsoil	2.1.15
substance input	3.2.4
substance output	3.2.5
substrate-induced respiration	7.4.12

surface liner system		6.3.7
suspect contaminated site		2.3.2
systematic pattern		4.2.15
systematic sampling		4.2.16
	T	
test material		7.1.2
test mixture		7.1.3
test mixture ratio		7.1.4
test pit		4.4.14
test sample		4.3.6
test substance		7.1.5
test substrate		7.2.3
thermal desorption		6.4.17
time to the peak maximum		7.4.20
topsoil		2.1.14
total organic carbon		2.1.21
traceability		4.5.7
translocation		3.2.6
treated soil		2.2.5
treated soil material		2.2.8
two-stage-soil-gas sampling		3.4.5
	U	
ultimate biodegradation		3.2.20
umpire sample		4.2.12
uncertainty analysis		5.2.21
undisturbed sample		4.4.11
unsaturated zone		3.3.9
	V	
vadose zone		3.3.8
variogram		4.7.6
vertical barrier		6.3.15
vitrification		6.4.22
	W	
water table		3.3.6
wilting point		2.1.24
