Site Clean-up Goals (Media Protection Standards [MPS])

Table 1
Groundwater Target Concentrations for Historical Detections of Constituents in Site Groundwater

CONSTITUENT	NORTH END GROUNDWATER[1] (protective of residential exposure to vapors in indoor air)	SOUTH END GROUNDWATER[1] (protective of facility workers exposure to vapors in indoor air)	SOUTH END GROUNDWATER[2] (protective of ecological receptors in surface water of Little River)
VOCs			
1,1,1-Trichloroethane	4.0	4	20
1,1,2,2-Tetrachloroethane	0.21 [3]	0.87 [4]	50
1,1,2-Trichloroethane	0.9	0.9	50
1,1-Dichloroethane (DCA)	50 [3]	50 [4]	20
1,1-Dichloroethene (DCE)	11.5 [3]	26 [4]	30
1,2,4-Trimethylbenzene	NA	NA	NA
1,2-DCA	0.13 [3]	0.052 [4]	20
1,2-Dichloropropane	0.003	0.003	50
1,3,5-Trimethylbenzene	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA
1,4-Dichlorobenzene	0.2	0.2	8.0
2-Butanone	50	50	50
2-Methylnaphthalene	NA	NA	NA
4-Isopropyltoluene	NA	NA	NA
Acenaphthene	6.0 [2]	6.0	6.0
Acetone	50	50	50
Benzene	50 [3]	50 [4]	10
bis(2-Ethylhexyl)phthalate	50 [2]	50	50
Bromodichloromethane	0.006	0.006	50
Bromomethane	1.0 [3]	2.4 [4]	0.8
Carbon disulfide	NA	NA	NA
Carbon tetrachloride	0.002	0.002	5.0
Chloroethane	NA	NA	NA

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Chloroform	1.4 [3]	3.4 [4]	20
Chloromethane	NA	NA	NA
cis-1,2-DCE	14 [3]	33 [4]	50
Dibenzofuran	NA	NA	NA
Di-n-butylphthalate	NA	NA	NA
Ethylbenzene	20	5.0	5.0
Fluorene	0.04 [2]	0.04	0.04
Isopropylbenzene	NA	NA	NA
m,p-Xylenes	9.0	5.0	5.0
Methyl tert-butyl ether	50	50	50
Methylene chloride	10	10	50
Naphthalene	26 [3]	31 [4]	20
n-Butylbenzene	NA	NA	NA
n-Propylbenzene	NA	NA	NA
o-Xylene	9.0	5.0	5.0
Phenanthrene	10 [2]	10	10
sec-Butylbenzene	NA	NA	NA
tert-Butylbenzene	NA	NA	NA
Tetrachloroethene (PCE)	1.2 [3]	2.8 [4]	30
Toluene	50	40	40
trans-1,2-DCE	12 [3]	29 [4]	50
Trichloroethene (TCE)	0.8 [3]	1.9 [4]	5.0
Vinyl chloride	0.013 [3]	0.052 [4]	50
Total petroleum hydrocarbon (TPH)	5.0	5.0	5.0

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Inorganic Compounds			
Aluminum	NA	NA	NA
Cadmium	0.009 [5]	0.009 [5]	0.009 [5]
Chromium	0.3 [2]	0.3 [2]	0.3
Copper	0.09 [6]	0.09 [6]	0.09 [6]
Iron	NA	NA	NA
Lead	0.01 [2]	0.01 [2]	0.01
Magnesium	NA	NA	NA
Nickel	0.2 [2]	0.2 [2]	0.2
Potassium	NA	NA	NA
Sodium	NA	NA	NA
Zinc	0.9 [2]	0.9 [2]	0.9

Constituent list based on historical detections in groundwater
All concentration expressed in mg/L (parts per million)
NA Not available
[1] Default GW-2 Standard (310 CMR 40.0974(2)) except as noted
[2] Default GW-3 Standard (310 CMR 40.0974(2)) except as noted
[3] Site-specific value for residential exposure – migration to indoor air
[4] Site-specific value for industrial exposure – migration to indoor air
[5] Site-specific background value
[6] Calculated value for GW-3 – potential migration to surface water