

BCMOE CSR Schedule 11 Substance	MRL µg	General Numerical Vapour Standards					
		Ag, UP, Res		Commercial		Industrial	
		µg/m ³	min vol (L)	µg/m ³	min vol (L)	µg/m ³	min vol (L)
VOLATILE ORGANIC COMPOUNDS (VOCs) – Thermal Desorption (TD) Tube¹							
Acetone	0.010	20	0.5	60	0.5	200	0.5
Acrylonitrile	0.001	1.5	0.7	1.5	0.7	1.5	0.7
Allyl chloride	0.001	1	1.0	3	0.5	9	0.5
Benzene	0.002	1.5	1.4	4	0.5	10	0.5
Bromobenzene	0.001	10	0.5	30	0.5	90	0.5
Bromodichloromethane	0.001	1	1.0	2	0.5	6.5	0.5
Bromoform	0.001	9	0.5	30	0.5	85	0.5
1,3-Butadiene	0.004	2	2.0	6	0.7	20	0.5
2-Butanone (MEK)	0.005	5,000	0.5	15,000	0.5	45,000	0.5
Carbon disulfide	0.010	700	0.5	2,000	0.5	6,500	0.5
Carbon tetrachloride	0.001	0.65	1.6	2	0.5	6	0.5
Chlorobenzene	0.001	50	0.5	150	0.5	450	0.5
Chloroethane	0.005	10,000	0.5	30,000	0.5	90,000	0.5
Chloroform	0.001	1	1.0	1.5	0.7	4	0.5
2-Chlorotoluene	0.002	40	0.5	100	0.5	350	0.5
n-Decane	0.003	2,500	0.5	8,000	0.5	25,000	0.5
1,2-Dibromo-3-chloropropane	0.001	15	0.5	50	0.5	150	0.5
Dibromochloromethane	0.001	40	0.5	100	0.5	350	0.5
1,2-Dibromoethane	0.0005	1	0.5	1	0.5	1	0.5
Dibromomethane (Methylene bromide)	0.001	5	0.5	15	0.5	45	0.5
1,2-Dichlorobenzene	0.001	200	0.5	600	0.5	2,000	0.5
1,3-Dichlorobenzene	0.001	80	0.5	250	0.5	850	0.5
1,4-Dichlorobenzene	0.001	800	0.5	2,500	0.5	7,000	0.5
Dichlorodifluoromethane (Freon 12)	0.002	200	0.5	600	0.5	2,000	0.5
1,1-Dichloroethane	0.001	500	0.5	1,500	0.5	4,500	0.5
1,2-Dichloroethane	0.0006	0.4	1.5	1	0.6	3.5	0.5
1,1-Dichloroethene	0.001	1	1.0	1	1.0	2	0.5
cis-1,2-Dichloroethene	0.001	20	0.5	60	0.5	200	0.5
trans-1,2-Dichloroethene	0.001	60	0.5	200	0.5	550	0.5
1,2-Dichloropropane	0.001	0.65	1.6	2	0.5	6	0.5
1,3-Dichloropropane	0.001	50	0.5	150	0.5	550	0.5
1,3-Dichloropropene, cis+trans	0.002	2.5	0.8	7.5	0.5	25	0.5
Ethyl acetate	0.005	2,000	0.5	5,500	0.5	15,000	0.5
Ethylbenzene	0.005	1,000	0.5	3,000	0.5	9,000	0.5
Ethyl ether	0.002	400	0.5	1,000	0.5	3,500	0.5
Ethyl methacrylate	0.001	200	0.5	550	0.5	1,500	0.5
1,3-Hexachlorobutadiene	0.001	2	0.5	2	0.5	4	0.5
Hexachloroethane	0.004	2.5	1.6	10	0.5	25	0.5
n-Hexane	0.010	700	0.5	2,000	0.5	6,500	0.5
Isopropylbenzene (Cumene)	0.001	400	0.5	1,000	0.5	4,000	0.5
Methacrylonitrile	0.001	10	0.5	10	0.5	10	0.5
Methyl acrylate	0.005	60	0.5	200	0.5	550	0.5
Methyl cyclohexane	0.005	3,000	0.5	9,000	0.5	27,000	0.5

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VOLATILE ORGANIC COMPOUNDS (VOCs) – Thermal Desorption (TD) Tube¹							
Methyl tert-butyl ether (MTBE)	0.002	3,000	0.5	9,000	0.5	27,000	0.5
Methylene chloride (Dichloromethane)	0.010	20	0.5	65	0.5	200	0.5
Methyl methacrylate	0.002	700	0.5	2,000	0.5	6,500	0.5
4-Methyl-2-Pentanone (MIBK)	0.002	3,000	0.5	9,000	0.5	27,000	0.5
Naphthalene	0.001	3	0.5	9	0.5	25	0.5
Nitrobenzene	0.001	2	0.5	6	0.5	20	0.5
Styrene	0.001	1,000	0.5	3,000	0.5	9,000	0.5
1,1,1,2-Tetrachloroethane	0.001	1.5	0.7	4	0.5	10	0.5
1,1,2,2-Tetrachloroethane	0.0007	1	0.7	1	0.7	1.5	0.5
Tetrachloroethene (PCE/PERC)	0.005	600	0.5	2,000	0.5	5,500	0.5
Tetrahydrofuran	0.001	4	0.5	10	0.5	40	0.5
Toluene	0.010	5,000	0.5	15,000	0.5	45,000	0.5
1,2,4-Trichlorobenzene	0.001	4	0.5	10	0.5	35	0.5
1,1,1-Trichloroethane	0.001	2,000	0.5	6,500	0.5	20,000	0.5
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	0.002	30,000	0.5	90,000	0.5	275,000	0.5
1,1,2-Trichloroethane	0.001	0.6	1.7	2	0.5	5	0.5
Trichloroethene (TCE)	0.0005	0.5	1.0	0.5	1.0	1	0.5
Trichlorofluoromethane (Freon 11)	0.001	700	0.5	2,000	0.5	6,500	0.5
1,2,3-Trichloropropane	0.001	10	0.5	35	0.5	100	0.5
1,2,4-Trimethylbenzene	0.005	6	0.9	20	0.5	55	0.5
1,3,5-Trimethylbenzene	0.005	6	0.9	20	0.5	55	0.5
Vinyl chloride (Chloroethene)	0.002	1	2.0	3.5	0.6	10	0.5
Xylenes, total	0.015	100	0.5	300	0.5	900	0.5
VPHv6-13*	2	1000	2.0	3000	1.0	11500	0.5
VOLATILE ORGANIC COMPOUNDS (VOCs) – Thermal Desorption (TD) Tube¹ Extended List							
2-Chlorophenol	0.010	10	1.0	30	0.5	90	0.5
4-Chlorotoluene	0.002	N/A	0.5	N/A	0.5	N/A	0.5
Isopropanol	0.010	Used as a tracer for leak checking soil vapour wells					
OTHER SCHEDULE 11 PARAMETERS – Specialized Tubes							
Ammonia	1	100	10	300	3.4	900	1.2
Hydrogen cyanide	0.1	3	34	9	12	30	4.0

¹TD Tube Volume Maximum = 6.0 L, Minimum = 0.5 L

Recommended Flow Rate for Thermal Desorption (TD) Tubes is 100 mL/min (0.1 L/min)

- Maximum should not exceed 200 mL/min (0.2 L/min)
- Minimum should not be less than 20 mL/min (0.02 L/min)

* VPHv6-13 = VHv – ∑ { n-Hexane + n-Decane + Benzene + Toluene + Ethylbenzene + Xylenes + Styrene }