PATRICKPARSONS

Generic Assessment Criteria		Residential with Homegrown Produce			Residential without Homegrown Produce			Allotments			Commercial			Public Open Space Near Residential Housing			Public Open Space Park		
	SOM %	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6
Metals and Inorganics (non SOM dependent)	Antimony																		
	Arsenic		37			40			43			640			79			170	
	Barium																		
	Beryllium		1.7			1.7			35			12			2.2			63	
	Boron		290			11000			45			240000			21000			46000	
	Cadmium		11			85			1.9			190			120			555	
	Chromium (III)		910			910			18000			8600			1500			33000	
	Chromium (VI) (Hexavalent)		6			6			1.8			33			7.7			220	
	Copper		2400			7100			520			68000			12000			44000	
	Cyanide (Free)																		
	Elemental Mercury		1.2			1.2			21			58			16			30	
	Inorganic Mercury		40			56			19			1100			120			240	
	Methylmercury		11			15			6			320			40			68	
	Lead		200			310			80			2300			630			1300	
	Molybdenum																		
	Nickel		130			180			53			980			230			800	
	Selenium		250			430			88			12000			1100			1800	
	Tin																		
	Vanadium		410			1200			91			9000			2000			5000	
	Zinc		3700			40000			620			730000			81000			170000	
	Tributlytinoxide																		
Polyaromatic Hydrocarbons	Acenaphthene	210	510	1100	3000	4700	6000	34	85	200	84000	97000	100000	15000	15000	15000	29000	30000	30000
	Acenaphthylene	170	420	920	2900	4600	6000	28	69	160	83000	97000	100000	15000	15000	15000	29000	30000	30000
	Anthracene	2400	5400	11000	31000	35000	37000	380	950	2200	520000	540000	540000	74000	74000	74000	150000	150000	150000
	Benzo[a]anthracene	7.2	11	13	11	14	15	2.9	6.5	13	170	170	180	29	29	29	49	56	62
	Benzo[a]pyrene	2.2	2.7	3	3.2	3.2	3.2	0.97	2.0	3.5	35	35	36	5.7	5.7	5.7	11	12	13
	Benzo[b]fluoranthene	2.6	3.3	3.7	3.9	4.0	4.0	0.99	2.1	3.9	44	44	45	7.1	7.2	7.2	13	15	16
	Benzo[ghi]perylene	320	340	350	360	360	360	290	470	640	3900	4000	4000	640	640	640	1400	1500	1600
	Benzo[k]fluoranthene	77	93	100	110	110	110	37	75	130	1200	1200	1200	190	190	190	370	410	440
	Chrysene	15	22	27	30	31	32	4.1	9.4	19	350	350	350	57	57	57	93	110	120
	Dibenz[ah]anthracene	0.24	0.28	0.3	0.31	0.32	0.32	0.14	0.27	0.43	3.5	3.6	3.6	0.57	0.57	0.58	1.1	1.3	1.4
	Fluoranthene	280	560	890	1500	1600	1600	52	130	290	23000	23000	23000	3100	3100	3100	6300	6300	6400
	Fluorene	170	400	860	2800	3800	4500	27	67	160	63000	68000	71000	9900	9900	9900	20000	20000	20000
	Indeno[123-cd]pyrene	27	36	41	45	46	46	9.5	21	39	500	510	510	82	82	82	150	170	180
	Naphthalene	2.3	5.6	13	2.3	5.6	13	4.1	10	24	190	460	1100	4900	4900	4900	1200	1900	3000
	Phenanthrene	95	220	440	1300	1500	1500	15	38	90	22000	22000	23000	3100	3100	3100	6200	6200	6300
	Pyrene	620	1200	2000	3700	3800	3800	110	270	620	54000	54000	54000	7400	7400	7400	15000	15000	15000
	Coal Tar (B[a]P as surrogate marker)	0.79	0.98	1.1	1.2	1.2	1.2	0.32	0.67	1.2	15	15	15	2.2	2.2	2.2	4.4	4.7	4.8
Petroleum Hydrocarbons	Benzene	0.087	0.17	0.37	0.38	0.7	1.4	0.017	0.034	0.075	27	47	90	72	72	73	90	100	110
	Toluene	130	290	660	880	1900	3900	22	51	120	56000	110000	180000	56000	56000	56000	87000	95000	100000
	Ethylbenzene	47	110	260	83	190	440	16	39	91	5700	13000	27000	24000	24000	25000	17000	22000	27000
	m-Xylene	59	140	320	82	190	450	31	74	170	6200	14000	31000	41000	42000	43000	17000	24000	32000
	o-Xylene	60	140	330	88	210	480	28	67	160	6600	15000	33000	41000	42000	43000	17000	24000	33000
	p-Xylene	56	130	310	79	180	430	29	69	160	5900	14000	30000	41000	42000	43000	17000	23000	31000
	Methyl tert-butyl ether (MTBE)																		
	1,2,4-Trimethylbenzene																		
	iso-Propylbenzene																		
	Propylbenzene																		
	Styrene																		
	Aliphatic EC 5-6	42	78	160	42	78	160	730	1700	3900	3200	5900	12000	570000	590000	600000	95000	130000	180000
	Aliphatic EC >6-8	100	230	530	100	230	530	2300	5600	13000	7800	17000	40000	600000	610000	620000	150000	220000	320000
	Aliphatic EC >8-10	27	65	150	27	65	150	320	770	1700	2000	4800	11000	13000	13000	13000	14000	18000	21000
	Aliphatic EC >10-12	130	330	760	130	330	770	2200	4400	7300	9700	23000	47000	13000	13000	13000	21000	23000	24000
	Aliphatic EC >12-16	1100	2400	4300	1100	2400	4400	11000	13000	13000	59000	82000	90000	13000	13000	13000	25000	25000	26000
	Aliphatic EC >16-35	65000	92000	110000	65000	92000	110000	260000	270000	270000	1600000	1700000	1800000	250000	250000	250000	450000	480000	490000
	Aliphatic EC >35-44	65000	92000	110000	65000	92000	110000	260000	270000	270000	1600000	1700000	1800000	250000	250000	250000	450000	480000	490000
	Aromatic EC 5-7 (benzene)	70	140	300	370	690	1400	13	27	57	26000	46000	86000	56000	56000	56000	76000	84000	92000
	Aromatic EC >7-8 (toluene)	130	290	660	860	1800	3900	22	51	120	56000	110000	180000	56000	56000	56000	87000	95000	100000
	Aromatic EC >8-10	34	83	190	47	110	270	8.6	21	51	3500	8100	17000	5000	5000	5000	7200	8500	9300
	Aromatic EC >10-12	74	180	380	250	590	1200	13	31	74	16000	28000	34000	5000	5000	5000	9200	9700	10000
	Aromatic EC >12-16	140	330	660	1800	2300	2500	23	57	130	36000	37000	38000	5100	5100	5000	10000	10000	10000
	Aromatic EC >16-21	260	540	930	1900	1900	1900	46	110	260	28000	28000	28000	3800	3800	3800	7600	7700	7800
	Aromatic EC >21-35	1100	1500	1700	1900	1900	1900	370	820	1600	28000	28000	28000	3800	3800	3800	7800	7800	7900
	Aromatic EC >35-44	1100	1500	1700	1900	1900	1900	370	820	1600	28000	28000	28000	3800	3800	3800	7800	7800	7900
	Petroleum Hydrocarbons EC >44-70	1600	1800	1900	1900	1900	1900	1200	2100	3000	28000	28000	28000	3800	3800	3800	7800	7800	7900

	Controlled Water Generic Assessment Criteria	England and Wales Drinking Water Standards µg/l unless otherwise stated	England Private Water Regulations µg/l unless otherwise stated
Metals and Inorganics	Aluminium	200	200
	Ammoniacal Nitrogen		
	Ammonium	0.5 (mgNH4/l)	0.5 (mg/l)
	Antimony	5	5
	Arsenic	10	10
	Barium		
	Beryllium		
	Boron	1000	1000
	Bromate	10	10
	Cadmium	5	5
	Chloride	250 (mg/l)	250 (mg/l)
	Chlorine		
	Chlorite		
	Chromium (III)		
	Chromium (VI)		
	Chromium (total)	50	50
	Copper	2000	2000
	Cyanide	50	50
	Cyanazine		
	Fluoride	1500	1500
	Iron	200	200
	Lead (and its compounds)	10	10
	Manganese	50	50
	Mercury (and its compounds)	1	1
	Molybdenum		
	Nickel	20	20
	Nitrate	50 (mgNO3/l)	50 (mg/l)
	Nitrite	0.5(mgNO2/l)	0.5 (0.1 for treatment works) (mg/l)
	Selenium	10	10
	Sodium	200 (mg/L)	200 (mg/l)
	Sulphate	250 (mg/l)	250 (mg/l)
	Vanadium		
	Tin		
	Tritium (for radioactivity)	100 (Bq/l)	100
	Zinc		
	Tributlytin Compounds		
Polyaromatic Hydrocarbons	Polycyclic aromatic hydrocarbons	0.1	0.1
	Benzo[a]anthracene		
	Benzo[b]fluoranthene		
	Benzo[k]fluoranthene		
	Benzo[ghi]perylene		
	Indeno[123-cd]pyrene		
	Benzo[a]pyrene	0.01	0.01
	Chrysene		
	Dibenz[ah]anthracene		
	Fluoranthene		
	Indeno[123-cd]pyrene		
	Naphthalene		
	Pyrene		
	Fluorene		
	Anthracene		
	Phenanthrene		
	Acenaphthylene		
	Acenaphthene		

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Petroleum Hydrocarbons	Benzene	1	1
	Toluene		
	Ethylbenzene		
	m-Xylene		
	o-Xylene		
	p-Xylene		
	Methyl tert-butyl ether		
	1,2,4-Trimethylbenzene		
	iso-Propylbenzene		
	Propylbenzene		
	Styrene		
	Aliphatic EC >5-6		
	Aliphatic EC >6-8		
	Aliphatic EC >8-10		
	Aliphatic EC >10-12		
	Aliphatic EC >12-16		
	Aliphatic EC >16-35		
	Aliphatic EC >35-44		
	Aromatic EC >5-7		
	Aromatic EC >7-8		
	Aromatic EC >8-10		
	Aromatic EC >10-12		
	Aromatic EC >12-16		
	Aromatic EC >16-21		
	Aromatic EC >21-35		
	Aromatic EC >35-44		
	Petroleum Hydrocarbons EC >44-70		
Phenols	Phenol		
	Biphenyl		
	2-Chlorophenol		
	2,4-Dichlorophenol		
	2,4,6-Trichlorophenol		
	2,3,4,6-Tetrachlorophenol		
	Pentachloro-phenol		
	4-Chloro-3-Methyl-Phenol		
	2-Methylphenol (o-cresol)		
	3-Methylphenol (m-cresol)		
	4-Methylphenol (p-cresol)		
	2,4-Dimethylphenol		
	Octylphenol ((4-(1,1',3,3'-tetramethylbutyl)-phenol))		
	Nonylphenol (4-Nonylphenol)		
Chlorinated Aliphatics	Trihalomethanes (TOTAL)	100	100
	Chloromethane		
	Dichloromethane		
	Trichloromethane (Chloroform)		
	Chloroethane		
	1,1-Dichloroethane		3
	1,2-Dichloroethane		
	1,2-Dichloropropane		
	1,1,1-trichloroethane		
	1,1-Dichloroethene		
	Cis 1,2 Dichloroethene		
	Trans 1,2 Dichloroethene		
	Trichloroethene (ethylene)	10	10
	Tetrachloroethene (ethylene)	10	10
	1,3-Dichloropropene		
	Tetrachloromethane	3	3
	Hexachloroethane		
	Hexachloro-cyclohexane		
	Trichloroethene		
	Trichloromethane (Chloroform)		
	Epichlorohydrin	0.1	0.1
	Vinyl Chloride	0.5	0.5
	Hexachloro-butadiene		
	C10-C13 Chloroalkanes		
	Dichloroacetonitrile		
	Monochloroacetate		
	Dichloroacetate		
	Trichloroacetate		
Other	Formaldehyde		

	Controlled Water Generic Assessment Criteria	England and Wales Drinking Water Standards µg/l unless otherwise stated	England Private Water Regulations µg/l unless otherwise stated
Explosives	Trinitrotoluene TNT		
	2,4-Dinitrotoluene		
	2,6-Dinitrotoluene		
	Chloronitrotoluenes		
	RDX		
	HMX		
Pesticides	Pesticides (TOTAL)	0.5	0.5
	TOTAL Aldrin, Dieldrin, Endrin		
	Other Pesticides	0.1	0.1
	Alachlor		
	Aldrin	0.03	0.03
	Atrazine		
	Hydroxyatrazine		
	Dieldrin	0.03	0.03
	Endrin		
	Atrazine		
	Bentazone		
	Chlorfenvinphos		
	Chlorpyrifos		
	Chlorotoluron		
	Cypermethrin		
	DDT		
	para-para-DDT		
	Diazinon		
	Dichlorprop		
	Dichlorvos		
	Dimethoate		
	Diruon (DCMU)		
	Epichlorohydrin		
	Fenitrothion		
	Fenoprop		
	Heptachlor	0.03	0.03
	Heptachlor epoxide	0.03	0.03
	Isoproturon		
	Lindane		
	Linuron		
	Malathion		
	MCPA		
	Mecoprop		
	Metolachlor		
	Methoxychlor		
	Molinate		
	Pendimethalin		
	Permethrin		
	Simazine		
	Trifluralin		
	2,4-Dichlorophenoxyacetic acid (2,4-D)		
	2,4,5-Trichlorophenoxyacetic Acid (2,4,5-T)		
	2,4-DB		
	Alpha-Endosulfan		
	Beta-Endosulfan		
	Alpha- Hexachlorocyclohexanes (including lindane)		
	Beta-Hexachlorohexanes (including lindane)		
	Gamma-Hexachlorohexanes (including lindane)		
Chlorinated Aromatics	Chlorobenzene		
	1,2-dichlorobenzene		
	1,3-dichlorobenzene		
	1,4-dichlorobenzene		
	1,2,3-Trichlorobenzene		
	1,2,4-Trichlorobenzene		
	1,3,5-Trichlorobenzene		
	1,2,3,4-Tetrachlorobenzene		
	1,2,3,5-Tetrachlorobenzene		
	1,2,4,5-Tetrachlorobenzene		
	Trichlorobenzenes		
	Pentachloro-benzene		
	Hexachloro-benzene		
	2-Chloronaphthalene		

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Phthalates	Di(2-ethylhexyl) phthalate		
	Butyl benzyl phthalate		
	Di-*n*-butyl phthalate		
	Di-*n*-octyl phthalate		
	Diethyl Phthalate		
Brominated Compounds	Bibromoacetonitrile		
	Dibromochloromethane		
	1,2-Dibromo-3-chloropropane		
	1,2-Dibromomethane		
	Brominated diphenylether		
	Bromobenzene		
	Bromodichloromethane		
	Bromoform (Tribromomethane)		
Other	Acrylamide	0.1	0.1
	1,4-Dioxane		
	Biphenyl		
	Carbon disulphide		
	EDTA		
	Microcystin-LR		
	Monochloroamine		
	N-Nitrosodimethylamine		
	Nitrilotriacetic acid		
	Cyanuric Acid		
	Sodium dichloroisocyanurate		
	Terbuthylzine		
Other	Colour	20 (mg/l Pt/Co)	20 (mg/l Pb/Co)
	Conductivity	2500 (µS/cm at 20º)	2500 (µS/cm at 20º)
	pH	6.5-9.5	6.5-9.5
	Total Biochemical Oxygen Demand (BOD)		
	Total Chemical Oxygen Demand (COD)		
	Suspended Solids		
	Total Dissolved Solids		
	Turbidity	1 NTU	1 NTU