



Adopted Soil Generic Assessment Criteria
Sandy loam with 2.5% SOM

Contaminants	Residential with Home Grown Produce	Residential Without Home Grown Produce	Allotments	Commercial	Public open space (Residential)	Public park POS _{park}
Metals, Semi-Metals & non-metals						
Antimony		550		7500		
Arsenic	37	40	49	640	79	170
Beryllium	1.7	1.7	35	12	2.2	63
Boron	290	11000	45	240000	21000	46000
Cadmium	22	150	3.9	410	220	880
Chromium III	910	910	18000	8600	1500	33000
Chromium VI	21	21	170	49	21	250
Copper	2400	7100	520	68000	12000	44000
Lead	200	310	80	2300	630	1300
Mercury (elemental)	1.2	1.2	21	58	16	30
Mercury (inorganic)	40	56	19	1100	120	240
Methylmercury	11	15	6	320	40	68
Nickel	130	180	53	980	230	800
Selenium	250	430	88	12000	1100	1800
Vanadium	410	1200	91	9000	2000	5000
Zinc	3700	40000	620	730000	81000	170000
Inorganic Compounds						
Cyanide	24	24	24	1400	24	24
Organic contaminants						
Aliphatic Risk Banded Hydrocarbons - TPH CWG method						
Aliphatic EC5 - EC6 TPHs	78	78	1700	5900	590000	130000
Aliphatic EC>6 - EC8 TPHs	230	230	5600	17000	610000	220000
Aliphatic EC>8 - EC10 TPHs	65	65	770	4800	13000	18000
Aliphatic EC>10-EC12 TPHs	330	330	4400	23000	13000	23000
Aliphatic EC>12-EC16 TPHs	2400	2400	13000	82000	13000	25000
Aliphatic EC>16 - EC35 TPHs	92000	92000	270000	1700000	250000	480000
Aliphatic EC>35 - EC44 TPHs	92000	92000	270000	1700000	250000	480000
Aromatic Risk Banded Hydrocarbons - TPH CWG method						
Aromatic EC5 - EC7 TPHs	140	690	27	46000	56000	84000
Aromatic EC>7 - EC8 TPHs	290	1800	51	110000	56000	95000
Aromatic EC>8 - EC10 TPHs	83	110	21	8100	5000	8500
Aromatic EC10 - EC12 TPHs	180	590	31	28000	5000	9700
Aromatic EC12 - EC16 TPHs	330	2300	57	37000	5100	10000
Aromatic EC>16 - EC21 TPHs	540	1900	110	28000	3800	7700
Aromatic EC>21 - EC35 TPHs	1500	1900	820	28000	3800	7800
Aromatic EC>35 - EC44 TPHs	1500	1900	820	28000	3800	7800
Long Chain Aliphatic and Aromatic Hydrocarbons						
Aliphatic and Aromatic EC >44-70	1800	1900	2100	28000	3800	7800
Aromatic Hydrocarbons						
Benzene	0.17	0.7	0.034	47	72	100
Ethyl benzene	110	190	39	13000	24000	22000
Toluene	290	1900	51	110000	56000	95000
Xylene	130	180	67	14000	42000	23000
MTBE	84	120	44	13000		
Phenol	550	1300	140	1500	1500	1500
Polycyclic Aromatic Hydrocarbons (PAH) - Benzo(a)pyrene Surrogate Marker Approach, with reference to C4SL PAH Surrogate Marker Check Sheet where appropriate						
Benzo(a)Pyrene (C4SL Surrogate Marker Approach)	5	5.3	5.7	77	10	21
Naphthalene	36	36	130	3700	15000	1200
Acenaphthylene	420	4600	69	97000	15000	30000
Acenaphthene	510	4700	85	97000	15000	30000
Fluorene	400	3800	67	68000	9900	20000
Phenanthrene	220	1500	38	22000	3100	6200
Anthracene	5400	35000	950	540000	74000	150000
Fluoranthene	560	1600	130	23000	3100	6300
Pyrene	1200	3800	270	54000	7400	15000
Polycyclic Aromatic Hydrocarbons (PAH) - Individual Compound Assessment						
Naphthalene	36	36	130	3700	15000	1200
Acenaphthylene	420	4600	69	97000	15000	30000
Acenaphthene	510	4700	85	97000	15000	30000
Fluorene	400	3800	67	68000	9900	20000
Phenanthrene	220	1500	38	22000	3100	6200
Anthracene	5400	35000	950	540000	74000	150000
Fluoranthene	560	1600	130	23000	3100	6300
Pyrene	1200	3800	270	54000	7400	15000
Benzo(a)anthracene	11	14	6.5	170	29	56
Chrysene	22	31	9.4	350	57	110
Benzo(b)fluoranthene	3.3	4	2.1	44	7.2	15
Benzo(k)fluoranthene	93	110	75	1200	190	410
Benzo(a)pyrene (only)	2.7	3.2	2	35	5.7	12
Indeno(123cd)pyrene	36	46	21	510	82	170
Dibenzo(ah)anthracene	0.28	0.32	0.27	3.6	0.57	1.3
Benzo(ghi)perylene	340	360	470	4000	640	1500

Sample ID	TP0A	TP0A	TP0B	TP0B	TP0C	TP0C	TP0D	TP0D
Depth of Sample	0.20	0.50	0.10	0.45	0.15	0.50	0.05	0.40
Date Sampled	30-Jul-25	30-Jul-25	30-Jul-25	30-Jul-25	30-Jul-25	30-Jul-25	30-Jul-25	30-Jul-25
Metals, Semi-Metals & non-metals								
Antimony	-	-	-	-	-	-	-	-
Arsenic	3	4	3	7	3	2	3	8
Beryllium	-	-	-	-	-	-	-	-
Boron	3.2	3.9	<1.0	1.5	<1.0	1.1	1.7	2.4
Cadmium	<1.0	1.6	<1.0	<1.0	1.1	<1.0	<1.0	1.7
Chromium III	13	31	10	15	13	7	7	18
Chromium VI	<1	<1	<1	<1	<1	<1	<1	<1
Copper	55	197	17	88	69	15	17	194
Lead	47	118	31	101	80	33	27	205
Mercury (elemental)	-	-	-	-	-	-	-	-
Mercury (inorganic)	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Methylmercury	-	-	-	-	-	-	-	-
Nickel	14	34	8	14	15	7	8	26
Selenium	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	-	-	-	-	-	-	-	-
Zinc	143	435	29	202	161	37	51	443
Inorganic Compounds								
Cyanide	<1	<1	<1	<1	<1	<1	<1	<1
Organic contaminants								
Aliphatic Risk Banded Hydrocarbons - TPH CWG method								
Aliphatic EC5 - EC6 TPHs	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatic EC>6 - EC8 TPHs	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Aliphatic EC>8 - EC10 TPHs	<1	<1	<1	<1	<1	<1	<1	<1
Aliphatic EC>10-EC12 TPHs	<1	<1	<1	<1	<1	<1	<1	<1
Aliphatic EC>12-EC16 TPHs	<1	1	<1	2	<1	<1	<1	2
Aliphatic EC>16 - EC35 TPHs	4	3	<1	4	2	2	2	4
Aliphatic EC>35 - EC44 TPHs	31	28	7	31	18	14	19	41
Aromatic Risk Banded Hydrocarbons - TPH CWG method								
Aromatic EC5 - EC7 TPHs	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic EC>7 - EC8 TPHs	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatic EC>8 - EC10 TPHs	<1	<1	<1	1	<1	<1	<1	<1
Aromatic EC10 - EC12 TPHs	<1	<1	<1	2	<1	<1	<1	1
Aromatic EC12 - EC16 TPHs	5	3	<1	10	2	1	2	8
Aromatic EC>16 - EC21 TPHs	14	10	2	42	4	7	10	38
Aromatic EC>21 - EC35 TPHs	26	24	8	107	15	13	22	86
Aromatic EC>35 - EC44 TPHs	45	37	10	162	21	20	34	132
Long Chain Aliphatic and Aromatic Hydrocarbons								
Aliphatic and Aromatic EC >44-70	-	-	-	-	-	-	-	-
Aromatic Hydrocarbons								
Benzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ethyl benzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Xylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MTBE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Phenol	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Polycyclic Aromatic Hydrocarbons (PAH) - Benzo(a)pyrene Surrogate Marker Approach, with reference to C4SL PAH Surrogate Marker Check Sheet where appropriate								
Benzo(a)Pyrene (C4SL Surrogate Marker Approach)	0.16	0.29	0.16	1.49	0.44	0.14	0.37	1.52
Naphthalene	<0.03	<0.03	<0.03	0.15	0.08	<0.03	0.13	0.57
Acenaphthylene	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	0.04
Acenaphthene	0.05	0.08	0.02	0.36	0.05	0.01	0.19	0.97
Fluorene	0.04	0.06	0.02	0.32	0.04	<0.01	0.16	0.84
Phenanthrene	0.38	0.59	0.2	2.5	0.37	0.09	1.3	6.42
Anthracene	0.08	0.14	0.05	0.54	0.09	<0.02	0.3	1.46
Fluoranthene	0.48	0.86	0.34	3.39	0.64	0.15	1.27	5.65
Pyrene	0.43	0.8	0.34	3.48	0.65	0.15	1.09	5.2
Polycyclic Aromatic Hydrocarbons (PAH) - Individual Compound Assessment								
Naphthalene	<0.03	<0.03	<0.03	0.15	0.08	<0.03	0.13	0.57
Acenaphthylene	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	0.04
Acenaphthene	0.05	0.08	0.02	0.36	0.05	0.01	0.19	0.97
Fluorene	0.04	0.06	0.02	0.32	0.04	<0.01	0.16	0.84
Phenanthrene	0.38	0.59	0.2	2.5	0.37	0.09	1.3	6.42
Anthracene	0.08	0.14	0.05	0.54	0.09	<0.02	0.3	1.46
Fluoranthene	0.48	0.86	0.34	3.39	0.64	0.15	1.27	5.65
Pyrene	0.43	0.8	0.34	3.48	0.65	0.15	1.09	5.2
Benzo(a)anthracene	0.2	0.35	0.16	1.51	0.34	0.14	0.47	2.03
Chrysene	0.21	0.42	0.2	1.68	0.39	0.18	0.49	2.01
Benzo(b)fluoranthene	0.18	0.32	0.18	1.47	0.46	0.19	0.36	1.51
Benzo(k)fluoranthene	<0.07	0.11	<0.07	0.54	0.16	<0.07	0.13	0.58
Benzo(a)pyrene (only)	0.16	0.29	0.16	1.49	0.44	0.14	0.37	1.52
Indeno(123cd)pyrene	0.11	0.18	0.11	0.87	0.32	0.14	0.23	0.8
Dibenzo(ah)anthracene	<0.04	<0.04	<0.04	0.21	0.07	<0.04	<0.04	0.2
Benzo(ghi)perylene	0.1	0.17	0.1	0.86	0.32	0.13	0.18	0.73

Exceedances to be highlighted

Minimum	Maximum
-	-
2	8
-	-
1.1	3.9
1.1	1.7
7	31
<1	<1
15	197
27	205
-	-
<0.17	<0.17
-	-
7	34
<1	<1
-	-
29	443
<1	<1
<0.01	<0.01
<0.02	<0.02
<1	<1
<1	<1
1	2
2	4
7	41
0	0
0	0
1	1
1	2
1	10
2	42
8	107
10	162
-	-
<0.01	<0.01
<0.01	<0.01
<0.01	<0.01
<0.01	<0.01
<0.01	<0.01
<0.2	<0.2
0.14	1.52
<0.03	0.57
<0.01	0.04
0.01	0.97
<0.01	0.84
0.09	6.42
<0.02	1.46
0.15	5.65
0.15	5.2
<0.03	0.57
<0.01	0.04
0.01	0.97
<0.01	0.84
0.09	6.42
<0.02	1.46
0.15	5.65
0.15	5.2
0.14	2.03
0.18	2.01
0.18	1.51
<0.07	0.58
0.14	1.52
0.11	0.87
<0.04	0.21
0.1	0.86