Appendix J – Quantitative Risk Assessment

Table J1 to J45. GQRA Data Screening Tables – Individual Sampling Areas

Table J46. GQRA Data Screening Table – All Stage 1 and Stage 2 Data

- Asbestos Assessment
- Chloromethane GSC Derivation CLEA Model
- Schools Land-use Scenario and CLEA Model GSC Derivation
- CLEA Models for SSAC Derivations

Appendix J – Table J1 to Table J45: GQRA Data Screening Tables – Individual Sampling Areas

						Monitoring_Zone	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy
						Location_Code	GTCS2-S001A	GTCS2-S002A	GTCS2-S003A	GTCS2-S004A	GTCS2-S005A	GTCS2-S006A	GTCS2-S007A	GTCS2-S008A	GTCS2-S009A	GTCS2-S010A
						Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.05	0-0.02	0-0.02	0-0.02	0-0.05	0-0.02
						Sampled_Date_Time	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	SCHOOLS	GSC_RESI-HP											
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	-	-	-	-	104	-	-	-	
	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	-	-	56	-	-	-	
	Bioaccessible Lead – stomach	mg/kg	5			-	-	-	-	-	-	58	-	-	-	
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	-	-	-	-	17	-	-	-	
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	-	-	56	-	-	-	
Metals	Lead	mg/kg	5	1,050	310	164	126	181	225	109	171	547	257	106	207	
	Antimony	mg/kg	1		550	16	-	-	-	-	2	-	-	-	-	
PAH	Acenaphthene	mg/kg	0.05		6000	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Acenaphthylene	mg/kg	0.03		6000	0.13	0.09	0.23	0.21	0.22	0.29	<0.03	0.39	0.07	0.29	
	Anthracene	mg/kg	0.04		37000	0.16	0.15	0.27	0.46	0.23	0.33	0.07	0.45	0.07	0.42	
	Benz(a)anthracene	mg/kg	0.06		15	0.62	0.5	1.41	1.41	0.78	1.41	0.27	1.76	0.24	1.6	
	Benzo(a) pyrene	mg/kg	0.04			0.79	0.62	1.83	1.64	1	1.23	0.3	1.96	0.38	1.6	
	Benzo(b)fluoranthene	mg/kg	0.05		4	1.05	0.78	2.38	2.03	1.3	2.53	0.41	2.69	0.61	2.27	
	Benzo(b&k)fluoranthene	mg/kg	0.07			1.46	1.08	3.31	2.82	1.81	3.52	0.57	3.73	0.85	3.15	
	Benzo(g,h,i)perylene	mg/kg	0.04		360	0.57	0.45	1.43	1.14	0.73	1.21	0.27	1.79	0.35	1.43	
	Benzo(k)fluoranthene	mg/kg	0.02		110	0.41	0.3	0.93	0.79	0.51	0.99	0.16	1.04	0.24	0.88	
	Chrysene	mg/kg	0.02		32	0.7	0.55	1.5	1.6	0.85	1.3	0.27	1.88	0.4	1.7	
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	0.13	0.1	0.24	0.24	0.17	<0.04	<0.04	0.37	0.07	0.27	
	Fluoranthene	mg/kg	0.03		1600	1.18	1.05	2.79	3.48	1.6	2.29	0.41	3.53	0.47	3.34	
	Fluorene	mg/kg	0.04		4500	<0.04	<0.04	<0.04	0.11	<0.04	<0.04	<0.04	0.08	<0.04	0.05	
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	0.58	0.45	1.35	1.16	0.77	1.14	0.26	1.71	0.33	1.44	
	Naphthalene	mg/kg	0.04		13	<0.04	<0.04	0.06	0.07	<0.04	0.11	<0.04	0.12	<0.04	0.08	
	Phenanthrene	mg/kg	0.03		1500	0.33	0.37	0.59	1.87	0.52	0.77	0.13	1.12	0.09	1.07	
	Pyrene	mg/kg	0.03		3800	1.09	0.92	2.53	2.91	1.44	2.01	0.4	3.14	0.45	2.92	
	PAH 16 Total	mg/kg	0.6			7.7	6.3	17.5	19.1	10.1	15.6	3	22	3.8	19.4	
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	0.0247	-	-	-	-	0.0331	-	-	-	-	
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	0.000622	-	-	-	-	0.00118	-	-	-	-	
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	0.188	-	-	-	-	0.277	-	-	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	0.00612	-	-	-	-	0.00883	-	-	-	-	
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	0.384	-	-	-	-	0.385	-	-	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	0.00661	-	-	-	-	0.00859	-	-	-	-	
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	0.008	-	-	-	-	0.00715	-	-	-	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	0.0909	-	-	-	-	0.131	-	-	-	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	0.0323	-	-	-	-	0.0321	-	-	-	-	
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	0.0414	-	-	-	-	0.0532	-	-	-	-	
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	0.000625	-	-	-	-	0.000384	-	-	-	-	
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	0.0104	-	-	-	-	0.0102	-	-	-	-	
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			<DL	-	-	-	-	2.5	-	-	-	-	
	12378-PeCDD	ng/kg	Variable			0.527	-	-	-	-	0.713	-	-	-	-	
	123478-HxCDD	ng/kg	Variable			0.944	-	-	-	-	0.324	-	-	-	-	
	123678-HxCDD	ng/kg	Variable			0.609	-	-	-	-	1.4	-	-	-	-	
	123789 HxCDD	ng/kg	Variable			0.442	-	-	-	-	0.962	-	-	-	-	
	1234678-HpCDD	ng/kg	Variable			26.7	-	-	-	-	44	-	-	-	-	
	OCDD	ng/kg	Variable			213	-	-	-	-	345	-	-	-	-	
	TEQ(1) (NATO)	ng/kg	Variable			1.91	-	-	-	-	3.12	-	-	-	-	
	TEQ(2) (NATO)	ng/kg	Variable			1.39	-	-	-	-	2.87	-	-	-	-	
	OCDF	ng/kg	Variable			13	-	-	-	-	19.6	-	-	-	-	
	2378-TCDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	12378-PeCDF	ng/kg	Variable			0.535	-	-	-	-	0.991	-	-	-	-	
	23478-PeCDF	ng/kg	Variable			<DL	-	-	-	-	1	-	-	-	-	
	123478-HxCDF	ng/kg	Variable			1.1	-	-	-	-	2.08	-	-	-	-	
	123678-HxCDF	ng/kg	Variable			<DL	-	-	-	-	1.1	-	-	-	-	
	234678-HxCDF	ng/kg	Variable			1.65	-	-	-	-	1.71	-	-	-	-	
	123789-HxCDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	1234678-HpCDF	ng/kg	Variable			12.2	-	-	-	-	14.3	-	-	-	-	
	1234789-HpCDF	ng/kg	Variable			0.526	-	-	-	-	0.623	-	-	-	-	
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	12378-PBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	123478-HxBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	123678-HxBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	123789-HxBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	1234678-HpBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	OBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	2378-TBDF	ng/kg	Variable			0.8	-	-	-	-	0.7	-	-	-	-	
	12378-PBDF	ng/kg	Variable			0.6	-	-	-	-	0.5	-	-	-	-	
	23478-PBDF	ng/kg	Variable			0.9	-	-	-	-	<DL	-	-	-	-	
	123478-HxBDF	ng/kg	Variable			<DL	-	-	-	-	0.6	-	-	-	-	
	123678-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	234678-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	123789-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	1234678-HpBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	OBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	General Description (Bulk Analysis)	None				soil.stones	Soil/Stone	Soil/Stone	Soil/Stones	soil.stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	
	Asbestos Level Screen	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
Total Organic Carbon	TOC	percent	0.02			3.73	3.72	-	-	-	6.02	-	-	-	-	
Other	Natural Moisture Content	percent	0.1			26.9	26	44	42.6	16.2	42.5	41.9	31.4	73.4	35.8	
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	0.79	0.62	1.83	1.64	1	1.23	0.3	1.96	0.38	1.6	
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	1064.91	-	-	-	-	1384.037	-	-	-	-	
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	0.03	-	-	-	-	0.04	-	-	-	-	

Comments
GSC: Generic Screening Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

						Monitoring_Zone	2. Burlington Danes School	2. Burlington Danes School	2. Burlington Danes School	2. Burlington Danes School	2. Burlington Danes School	2. Burlington Danes School	2. Burlington Danes School	2. Burlington Danes School	2. Burlington Danes School	2. Burlington Danes School
						Location_Code	GTCS2-S011A	GTCS2-S012A	GTCS2-S013A	GTCS2-S014A	GTCS2-S015A	GTCS2-S016A	GTCS2-S017A	GTCS2-S018A	GTCS2-S019A	GTCS2-S020A
						Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
						Sampled_Date_Time	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC											
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	772	-	641	-	744	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5			-	-	554	-	443	-	596	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	184	-	105	-	34	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction Anthracene	percent	0.1			-	-	-	-	-	-	49.4	-	-	-
	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	72	-	69	-	80	-	-	-
	Bioaccessible Fraction Acenaphthylene	percent	0.1			-	-	-	-	-	-	42.9	-	-	-
	Bioaccessible Fraction Benzo(a)anthracene	percent	0.1			-	-	-	-	-	-	57.1	-	-	-
	Bioaccessible Fraction Benzo(a)pyrene	percent	0.1			-	-	-	-	-	-	38	-	-	-
	Bioaccessible Fraction Benzo(ghi)perylene	percent	0.1			-	-	-	-	-	-	42.8	-	-	-
	Bioaccessible Fraction Benzo(bk)fluoranthene	percent	0.1			-	-	-	-	-	-	43.4	-	-	-
	Bioaccessible Fraction Chrysene	percent	0.1			-	-	-	-	-	-	46.2	-	-	-
	Bioaccessible Fraction Dibenzo(ah)anthracene	percent	0.1			-	-	-	-	-	-	69.6	-	-	-
	Bioaccessible Fraction Fluoranthene	percent	0.1			-	-	-	-	-	-	48.4	-	-	-
	Bioaccessible Fraction Indeno(123cd)pyrene	percent	0.1			-	-	-	-	-	-	38.3	-	-	-
	Bioaccessible Fraction Phenanthrene	percent	0.1			-	-	-	-	-	-	52.5	-	-	-
	Bioaccessible Fraction Pyrene	percent	0.1			-	-	-	-	-	-	47.4	-	-	-
Metals	Lead	mg/kg	5	1,050	310	287	277	588	79	514	368	659	233	191	332
	Antimony	mg/kg	1		550	-	3	-	-	-	-	9	-	-	-
PAH	Acenaphthene	mg/kg	0.05		6000	<0.05	0.17	<0.05	<0.05	<0.05	<0.05	2.35	0.1	0.08	<0.05
	Acenaphthylene	mg/kg	0.03		6000	0.06	<0.03	0.33	<0.03	0.36	0.1	0.86	0.33	0.31	0.14
	Anthracene	mg/kg	0.04		37000	0.07	0.26	0.39	<0.04	0.44	0.2	6.14	0.69	0.45	0.17
	Benz(a)anthracene	mg/kg	0.06		15	0.44	0.83	1.81	0.16	2.04	0.84	10.41	2.51	2.16	0.91
	Benzo(a) pyrene	mg/kg	0.04			0.55	0.99	2.5	0.21	2.73	1.02	10.27	3.28	2.97	1.24
	Benzo(b)fluoranthene	mg/kg	0.05		4	0.72	1.22	3.16	0.31	3.54	1.29	13.82	4.05	3.71	1.58
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			1	1.7	4.39	0.43	4.91	1.79	19.19	5.62	5.15	2.2
	Benzo(g,h,i)perylene	mg/kg	0.04		360	0.41	0.65	1.79	0.2	2.02	0.66	6.85	2.24	2.07	0.86
	Benzo(k)fluoranthene	mg/kg	0.02		110	0.28	0.48	1.23	0.12	1.37	0.5	5.37	1.57	1.44	0.62
	Chrysene	mg/kg	0.02		32	0.51	1.07	2.3	0.19	2.6	1.01	11.81	2.87	2.4	1.11
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	0.09	0.12	0.32	<0.04	0.36	0.15	1.21	0.43	0.44	0.18
	Fluoranthene	mg/kg	0.03		1600	0.78	2.29	3.68	0.2	4.67	1.72	30.06	5.3	4.02	1.67
	Fluorene	mg/kg	0.04		4500	<0.04	0.12	0.08	<0.04	0.09	<0.04	1.93	0.12	0.08	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	0.41	0.64	1.73	0.19	1.9	0.66	6.63	2.27	2.04	0.87
	Naphthalene	mg/kg	0.04		13	<0.04	<0.04	0.08	<0.04	0.11	<0.04	0.3	0.08	0.08	<0.04
	Phenanthrene	mg/kg	0.03		1500	0.25	1.52	1.3	0.05	1.66	0.81	23.36	2.01	1.07	0.57
	Pyrene	mg/kg	0.03		3800	0.67	1.93	3.21	0.19	4.27	1.48	22.95	4.63	3.8	1.49
	PAH 16 Total	mg/kg	0.6			5.2	12.3	23.9	1.8	28.2	10.4	154.3	32.5	27.1	11.4
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	-	0.0451	-	-	-	-	0.0272	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	-	0.00173	-	-	-	-	0.000859	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	-	0.193	-	-	-	-	0.129	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	-	0.00479	-	-	-	-	0.00464	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	-	0.418	-	-	-	-	0.419	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	-	0.00378	-	-	-	-	0.00249	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	-	0.00465	-	-	-	-	0.00193	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	-	0.0611	-	-	-	-	0.0524	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	-	0.0148	-	-	-	-	0.0171	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	-	0.0247	-	-	-	-	0.0252	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	-	0.00126	-	-	-	-	0.000465	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	-	0.00542	-	-	-	-	0.0108	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			-	7.63	-	-	-	-	10.3	-	-	-
	12378-PeCDD	ng/kg	Variable			-	0.517	-	-	-	-	0.768	-	-	-
	123478-HxCDD	ng/kg	Variable			-	<DL	-	-	-	-	0.575	-	-	-
	123678-HxCDD	ng/kg	Variable			-	1.12	-	-	-	-	2.2	-	-	-
	123789 HxCDD	ng/kg	Variable			-	1.42	-	-	-	-	0.596	-	-	-
	1234678-HpCDD	ng/kg	Variable			-	25.3	-	-	-	-	63.8	-	-	-
	OCDD	ng/kg	Variable			-	79.1	-	-	-	-	599	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable			-	4.81	-	-	-	-	6.45	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable			-	4.42	-	-	-	-	6.04	-	-	-
	OCDF	ng/kg	Variable			-	11.2	-	-	-	-	27.1	-	-	-
	2378-TCDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	12378-PeCDF	ng/kg	Variable			-	1.61	-	-	-	-	1.66	-	-	-
	23478-PeCDF	ng/kg	Variable			-	3.59	-	-	-	-	4.18	-	-	-
	123478-HxCDF	ng/kg	Variable			-	2.45	-	-	-	-	2.05	-	-	-
	123678-HxCDF	ng/kg	Variable			-	3.09	-	-	-	-	2.2	-	-	-
	234678-HxCDF	ng/kg	Variable			-	2.34	-	-	-	-	2.08	-	-	-
	123789-HxCDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpCDF	ng/kg	Variable			-	12.7	-	-	-	-	20.8	-	-	-
	1234789-HpCDF	ng/kg	Variable			-	0.906	-	-	-	-	0.89	-	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	12378-PBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	123478-HxBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	123678-HxBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	123789-HxBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	OBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	2378-TBDF	ng/kg	Variable			-	0.7	-	-	-	-	1	-	-	-
	12378-PBDF	ng/kg	Variable			-	<DL	-	-	-	-	0.7	-	-	-
	23478-PBDF	ng/kg	Variable			-	0.5	-	-	-	-	<DL	-	-	-
	123478-HxBDF	ng/kg	Variable			-	<DL	-	-	-	-	0.9	-	-	-
	123678-HxBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	234678-HxBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	123789-HxBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	1234789-HpBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	OBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	Fibre Bundles
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	Chrysotile
	General Description (Bulk Analysis)	None				Soil/Stone	Soil/Stones	Soil/Stones	soil.stones	Soil/Stones	Soil/Stones	soil.stones	Soil/Stones	Soil/Stones	soil.stones
	Asbestos Level Screen	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	less than 0.1%
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	-	-	-	<0.001	-	-	<0.001
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	-	-	-	<0.001	-	-	<0.001
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	<0.001	-	-	<0.001
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	<0.001	-	-	<0.001
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	-	-	-	<0.001	-	-	<0.001
Total Organic Carbon	TOC	percent	0.02			-	5.47	6.52	-	-	-	3.67	-	-	-
Other	Natural Moisture Content	percent	0.1			45.1	44.9	33.9	33.3	32.7	39.9	32	30.5	32.7	30.3
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	0.55	0.99	2.5	0.21	2.73	1.02	3.63 - 10.27	3.28	2.97	1.24
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	-	940.533	-	-	-	-	1441.773	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	0.5	-	-	-	-	0.6	-	-	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

						Monitoring_Zone	3. Bassett House School (St Helen's Church)	3. Bassett House School (St Helen's Church)	3. Bassett House School (St Helen's Church)	3. Bassett House School (St Helen's Church)	3. Bassett House School (St Helen's Church)	3. Bassett House School (St Helen's Church)	3. Bassett House School (St Helen's Church)	3. Bassett House School (St Helen's Church)	3. Bassett House School (St Helen's Church)	3. Bassett House School (St Helen's Church)
						Location_Code	GTCS2-5021A	GTCS2-5022A	GTCS2-5023A	GTCS2-5024A	GTCS2-5025A	GTCS2-5026A	GTCS2-5027A	GTCS2-5028A	GTCS2-5029A	GTCS2-5030A
						Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
						Sampled_Date_Time	19/11/2020	19/11/2020	19/11/2020	19/11/2020	19/11/2020	19/11/2020	19/11/2020	19/11/2020	19/11/2020	19/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC											
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	-	-	-	-	-	-	475	436
	Bioaccessible Lead – stomach	mg/kg	5			-	-	-	-	-	-	-	-	316	267
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	-	-	-	-	-	-	76	113
Bioaccessible Fraction	Bioaccessible Fraction Anthracene	percent	0.1			-	-	-	-	-	-	-	-	-	50.4
	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	-	-	-	-	67	61
	Bioaccessible Fraction Acenaphthylene	percent	0.1			-	-	-	-	-	-	-	-	-	45.5
	Bioaccessible Fraction Benzo(a)anthracene	percent	0.1			-	-	-	-	-	-	-	-	-	73.8
	Bioaccessible Fraction Benzo(a)pyrene	percent	0.1			-	-	-	-	-	-	-	-	-	36.8
	Bioaccessible Fraction Benzo(ghi)perylene	percent	0.1			-	-	-	-	-	-	-	-	-	41.7
	Bioaccessible Fraction Benzo(bk)fluoranthene	percent	0.1			-	-	-	-	-	-	-	-	-	45.4
	Bioaccessible Fraction Chrysene	percent	0.1			-	-	-	-	-	-	-	-	-	51.8
	Bioaccessible Fraction Dibenzo(ah)anthracene	percent	0.1			-	-	-	-	-	-	-	-	-	53.6
	Bioaccessible Fraction Fluoranthene	percent	0.1			-	-	-	-	-	-	-	-	-	55.9
	Bioaccessible Fraction Indeno(123cd)pyrene	percent	0.1			-	-	-	-	-	-	-	-	-	29.1
	Bioaccessible Fraction Phenanthrene	percent	0.1			-	-	-	-	-	-	-	-	-	62.6
	Bioaccessible Fraction Pyrene	percent	0.1			-	-	-	-	-	-	-	-	-	54.5
Metals	Lead	mg/kg	5	1,050	310	335	293	365	355	198	34	121	92	405	424
	Antimony	mg/kg	1		550	-	-	5	-	-	-	-	2	-	-
PAH	Acenaphthene	mg/kg	0.05		6000	0.13	0.09	0.1	<0.05	<0.05	<0.05	<0.05	0.07	0.19	0.23
	Acenaphthylene	mg/kg	0.03		6000	0.53	0.24	0.48	0.09	0.18	<0.03	0.2	0.27	0.43	0.52
	Anthracene	mg/kg	0.04		37000	0.7	0.48	0.69	0.17	0.28	<0.04	0.35	0.38	1.15	1.29
	Benz(a)anthracene	mg/kg	0.06		15	3.51	2.82	3.51	0.97	1.2	0.24	1.36	1.45	5.65	5.88
	Benzo(a) pyrene	mg/kg	0.04			3.64	3.4	3.43	1.11	1.39	0.21	1.45	1.55	6	6.26
	Benzo(b)fluoranthene	mg/kg	0.05		4	4.86	4.62	4.69	1.44	1.86	0.29	1.91	2.05	8.1	8.56
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			6.75	6.42	6.52	2	2.58	0.4	2.65	2.85	11.25	11.89
	Benzo(g,h,i)perylene	mg/kg	0.04		360	2.58	2.37	2.85	0.78	1.01	0.14	1.04	1.17	4.52	4.8
	Benzo(k)fluoranthene	mg/kg	0.02		110	1.89	1.8	1.83	0.56	0.72	0.11	0.74	0.8	3.15	3.33
	Chrysene	mg/kg	0.02		32	3.46	3.09	3.19	1.03	1.33	0.23	1.42	1.51	5.68	6.06
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	0.37	0.41	0.42	0.14	0.2	<0.04	0.2	0.23	0.65	0.86
	Fluoranthene	mg/kg	0.03		1600	6.53	5.53	5.82	1.81	2.45	0.41	2.88	3.08	12.05	12.85
	Fluorene	mg/kg	0.04		4500	0.11	0.09	0.1	<0.04	<0.04	<0.04	0.06	0.05	0.17	0.2
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	2.48	2.65	2.64	0.79	1.02	0.15	1.01	1.06	4.67	4.88
	Naphthalene	mg/kg	0.04		13	0.09	0.05	0.1	<0.04	<0.04	<0.04	<0.04	0.07	0.11	0.11
	Phenanthrene	mg/kg	0.03		1500	2.32	1.64	1.8	0.55	0.84	0.14	1.15	1.18	3.84	4.54
	Pyrene	mg/kg	0.03		3800	5.6	4.85	5.07	1.55	2.08	0.35	2.37	2.56	10.07	10.75
	PAH 16 Total	mg/kg	0.6			38.8	34.1	36.7	11	14.6	2.3	16.1	17.5	66.4	71.1
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	-	-	1.02	-	-	-	-	0.0174	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	-	-	0.0396	-	-	-	-	<DL	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	-	-	1.72	-	-	-	-	0.0831	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	-	-	0.0656	-	-	-	-	0.00396	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	-	-	0.464	-	-	-	-	0.465	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	-	-	0.046	-	-	-	-	0.00232	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	-	-	0.0252	-	-	-	-	0.00182	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	-	-	0.45	-	-	-	-	0.0375	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	-	-	0.167	-	-	-	-	0.0136	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	-	-	0.232	-	-	-	-	0.018	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	-	-	0.00292	-	-	-	-	0.00133	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	-	-	0.0699	-	-	-	-	0.00706	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			-	-	10.4	-	-	-	-	1.19	-	-
	12378-PeCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxCDD	ng/kg	Variable			-	-	2.04	-	-	-	-	<DL	-	-
	123678-HxCDD	ng/kg	Variable			-	-	5.94	-	-	-	-	<DL	-	-
	123789 HxCDD	ng/kg	Variable			-	-	2.89	-	-	-	-	1.62	-	-
	1234678-HpCDD	ng/kg	Variable			-	-	82.2	-	-	-	-	26.7	-	-
	OCDD	ng/kg	Variable			-	-	494	-	-	-	-	246	-	-
	TEQ(1) (NATO)	ng/kg	Variable			-	-	11.8	-	-	-	-	1.92	-	-
	TEQ(2) (NATO)	ng/kg	Variable			-	-	11.1	-	-	-	-	1.37	-	-
	OCDF	ng/kg	Variable			-	-	76.7	-	-	-	-	16.2	-	-
	2378-TCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	12378-PeCDF	ng/kg	Variable			-	-	6.9	-	-	-	-	<DL	-	-
	23478-PeCDF	ng/kg	Variable			-	-	9.61	-	-	-	-	<DL	-	-
	123478-HxCDF	ng/kg	Variable			-	-	4.53	-	-	-	-	1.89	-	-
	123678-HxCDF	ng/kg	Variable			-	-	5.93	-	-	-	-	1.34	-	-
	234678-HxCDF	ng/kg	Variable			-	-	5.62	-	-	-	-	0.982	-	-
	123789-HxCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpCDF	ng/kg	Variable			-	-	74	-	-	-	-	14.2	-	-
	1234789-HpCDF	ng/kg	Variable			-	-	2.8	-	-	-	-	<DL	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	12378-PBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123678-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123789-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	OBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	2378-TBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	0.7	-	-
	12378-PBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	0.5	-	-
	23478-PBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	0.6	-	-
	123478-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123678-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	234678-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123789-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234789-HpBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	OBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
	Asbestos Level Screen	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02			-	-	3.89	7.38	-	-	-	4.43	-	-
Other	Natural Moisture Content	percent	0.1			27.2	27.2	26.2	27.4	27.5	52.3	40.3	37.1	38.5	40.7
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	3.64	3.4	3.43	1.11	1.39	0.21	1.45	1.55	6	6.26
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	-	-	5108.68	-	-	-	-	964.502	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	0.12	-	-	-	-	0.12	-	-

Comments
GAC: Generic Assessment Criteria

(blank): No assessment criteria
available
- : Not analysed
HH: Human Health

					Monitoring_Zone	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School
					Location_Code	GTCS2-S031A	GTCS2-S032A	GTCS2-S033A	GTCS2-S034A	GTCS2-S035A	GTCS2-S036A	GTCS2-S037A	GTCS2-S038A	GTCS2-S039A	GTCS2-S040A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC										
Metals	Lead	mg/kg	5	1,050	310	217	191	74	229	96	174	264	122	95	126
	Antimony	mg/kg	1		550	-	-	-	4	-	-	-	-	3	-
PAH	Acenaphthene	mg/kg	0.05		6000	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	0.08	<0.05
	Acenaphthylene	mg/kg	0.03		6000	0.14	0.23	0.07	0.16	0.05	0.12	0.29	0.17	0.19	0.31
	Anthracene	mg/kg	0.04		37000	0.23	0.41	0.07	0.22	0.09	0.15	0.53	0.28	0.45	0.48
	Benz(a)anthracene	mg/kg	0.06		15	0.93	1.54	0.31	1.05	0.33	0.64	2.21	1.17	2.83	1.96
	Benzo(a) pyrene	mg/kg	0.04			1.01	1.76	0.37	1.17	0.4	0.64	2.31	1.19	2.95	1.94
	Benzo(b)fluoranthene	mg/kg	0.05		4	1.38	2.36	0.48	1.47	0.5	0.89	3.19	1.59	4.9	2.6
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			1.92	3.28	0.67	2.04	0.7	1.24	4.43	2.21	6.81	3.61
	Benzo(g,h,i)perylene	mg/kg	0.04		360	0.75	1.41	0.28	0.86	0.28	0.53	1.83	0.99	2.62	1.36
	Benzo(k)fluoranthene	mg/kg	0.02		110	0.54	0.92	0.19	0.57	0.2	0.35	1.24	0.62	1.91	1.01
	Chrysene	mg/kg	0.02		32	0.95	1.55	0.3	0.9	0.33	0.6	2.18	1.13	3.68	1.84
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	0.14	0.25	<0.04	0.19	0.07	0.12	0.33	0.17	0.52	0.25
	Fluoranthene	mg/kg	0.03		1600	1.78	3.12	0.57	1.86	0.56	1.11	3.9	2.04	5.96	3.7
	Fluorene	mg/kg	0.04		4500	<0.04	0.12	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	0.11	0.08
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	0.8	1.44	0.31	0.89	0.29	0.53	1.88	0.9	2.99	1.4
	Naphthalene	mg/kg	0.04		13	<0.04	0.09	<0.04	<0.04	<0.04	<0.04	0.11	<0.04	<0.04	0.06
	Phenanthrene	mg/kg	0.03		1500	0.64	1.35	0.15	0.61	0.21	0.41	1.39	0.82	2.05	1.11
	Pyrene	mg/kg	0.03		3800	1.62	2.77	0.52	1.66	0.48	0.92	3.31	1.71	4.25	3.07
	PAH 16 Total	mg/kg	0.6			10.9	19.5	3.6	11.6	3.8	7	24.9	12.8	35.5	21.2
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile
	General Description (Bulk Analysis)	None				Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stones	soil.stones	Soil/Stones
	Asbestos Level Screen	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Asbestos level cannot be determined from Screen. Quantification required.	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	-	0.005	-	-	-	-	<0.001
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	-	<0.001	-	-	-	-	<0.001
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	<0.001	-	-	-	-	<0.001
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	0.005	-	-	-	-	<0.001
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	-	0.005	-	-	-	-	<0.001
Total Organic Carbon	TOC	percent	0.02			-	-	-	8.94	2.65	-	-	-	8.03	-
Other	Natural Moisture Content	percent	0.1			38.1	46.6	84.9	47.9	33.9	46.4	59.3	54.5	36.7	40.3
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	1.01	1.76	0.37	1.17	0.4	0.64	2.31	1.19	2.95	1.94
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	-	-	-	4944.64	-	-	-	-	8156.85	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	-	0.16	-	-	-	-	0.14	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

					Monitoring_Zone	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College
					Location_Code	GTCS2-S041A	GTCS2-S042A	GTCS2-S043A	GTCS2-S044A	GTCS2-S045A	GTCS2-S046A	GTCS2-S047A	GTCS2-S048A	GTCS2-S049A	GTCS2-S050A	
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	
					Sampled_Date_Time	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	
Chem_Group	**ChemName**	**output unit**	**EQL**	SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC											
BARGE	Lead – total (BARGE method)	mg/kg	5			580	-	-	-	444	653	-	-	-	-	
	Bioaccessible Lead – stomach	mg/kg	5			439	-	-	-	280	443	-	-	-	-	
	Bioaccessible Lead – stomach and intestine	mg/kg	5			164	-	-	-	92	180	-	-	-	-	
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0			76	-	-	-	63	68	-	-	-	-	
Metals	Lead	mg/kg	5	1,050	310	517	286	88	207	472	632	361	156	168	96	
	Antimony	mg/kg	1		550	-	-	-	-	5	-	-	-	-	2	
PAH	Acenaphthene	mg/kg	0.05		6000	<0.05	<0.05	<0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	
	Acenaphthylene	mg/kg	0.03		6000	0.34	0.11	<0.03	0.07	0.27	0.28	0.1	0.13	0.08	0.08	
	Anthracene	mg/kg	0.04		37000	0.18	0.09	0.07	0.13	0.49	0.36	0.16	0.09	0.11	0.18	
	Benz(a)anthracene	mg/kg	0.06		15	0.87	0.5	0.42	0.66	2.61	1.72	1.04	0.45	0.45	0.67	
	Benzo(a) pyrene	mg/kg	0.04			1.5	0.7	0.54	0.91	3.31	2.16	1.44	0.72	0.64	1.04	
	Benzo(b)fluoranthene	mg/kg	0.05		4	1.94	0.94	0.72	1.15	4.26	2.86	1.83	0.89	0.77	1.34	
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			2.69	1.3	1	1.6	5.91	3.97	2.54	1.23	1.07	1.86	
	Benzo(g,h,i)perylene	mg/kg	0.04		360	1.17	0.54	0.37	0.66	2.28	1.62	1.01	0.53	0.45	0.87	
	Benzo(k)fluoranthene	mg/kg	0.02		110	0.75	0.36	0.28	0.45	1.65	1.11	0.71	0.34	0.3	0.52	
	Chrysene	mg/kg	0.02		32	1.3	0.65	0.54	0.82	3.15	2.07	1.28	0.61	0.58	0.79	
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	0.2	0.11	0.07	0.13	0.4	0.28	0.21	0.1	0.08	0.17	
	Fluoranthene	mg/kg	0.03		1600	1.81	0.93	0.84	1.16	5.82	3.46	2.12	0.87	0.95	1.28	
	Fluorene	mg/kg	0.04		4500	<0.04	<0.04	<0.04	<0.04	0.09	0.07	<0.04	<0.04	<0.04	<0.04	
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	1.18	0.56	0.39	0.63	2.21	1.57	0.98	0.52	0.44	0.88	
	Naphthalene	mg/kg	0.04		13	0.08	<0.04	<0.04	<0.04	0.06	0.07	<0.04	<0.04	<0.04	<0.04	
	Phenanthrene	mg/kg	0.03		1500	0.49	0.3	0.25	0.37	1.91	1.05	0.63	0.3	0.42	0.44	
	Pyrene	mg/kg	0.03		3800	1.8	0.85	0.71	1.08	4.89	3.11	1.82	0.82	0.82	1.15	
	PAH 16 Total	mg/kg	0.6			13.6	6.6	5.2	8.2	33.5	21.8	13.3	6.4	6.1	9.4	
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	-	-	-	-	0.0759	-	-	-	-	2.3	
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	-	-	-	-	0.00285	-	-	-	-	0.0841	
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	-	-	-	-	0.253	-	-	-	-	3.41	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	-	-	-	-	0.00707	-	-	-	-	0.185	
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	-	-	-	-	0.48	-	-	-	-	4.55	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	-	-	-	-	0.00718	-	-	-	-	0.113	
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	-	-	-	-	0.01	-	-	-	-	0.0254	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	-	-	-	-	0.0941	-	-	-	-	0.241	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	-	-	-	-	0.028	-	-	-	-	0.0658	
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	-	-	-	-	0.0427	-	-	-	-	0.0979	
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	-	-	-	-	0.0022	-	-	-	-	0.00103	
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	-	-	-	-	0.0134	-	-	-	-	0.0234	
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			-	-	-	-	8.12	-	-	-	-	4.32	
	12378-PeCDD	ng/kg	Variable			-	-	-	-	1.58	-	-	-	-	1.55	
	123478-HxCDD	ng/kg	Variable			-	-	-	-	1.76	-	-	-	-	1.72	
	123678-HxCDD	ng/kg	Variable			-	-	-	-	4.13	-	-	-	-	5.18	
	123789 HxCDD	ng/kg	Variable			-	-	-	-	3.59	-	-	-	-	3.58	
	1234678-HpCDD	ng/kg	Variable			-	-	-	-	50.5	-	-	-	-	303	
	OCDD	ng/kg	Variable			-	-	-	-	257	-	-	-	-	2520	
	TEQ(1) (NATO)	ng/kg	Variable			-	-	-	-	9.41	-	-	-	-	12.7	
	TEQ(2) (NATO)	ng/kg	Variable			-	-	-	-	9.1	-	-	-	-	12.2	
	OCDF	ng/kg	Variable			-	-	-	-	32.5	-	-	-	-	43.6	
	2378-TCDD	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	12378-PeCDF	ng/kg	Variable			-	-	-	-	4.34	-	-	-	-	1.37	
	23478-PeCDF	ng/kg	Variable			-	-	-	-	7.09	-	-	-	-	4.57	
	123478-HxCDF	ng/kg	Variable			-	-	-	-	7.15	-	-	-	-	5.11	
	123678-HxCDF	ng/kg	Variable			-	-	-	-	4.38	-	-	-	-	4.8	
	234678-HxCDF	ng/kg	Variable			-	-	-	-	4.17	-	-	-	-	6.57	
	123789-HxCDF	ng/kg	Variable			-	-	-	-	0.522	-	-	-	-	<DL	
	1234678-HpCDF	ng/kg	Variable			-	-	-	-	35.4	-	-	-	-	36.3	
	1234789-HpCDF	ng/kg	Variable			-	-	-	-	1.95	-	-	-	-	2.6	
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	12378-PBDD	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	123478-HxBDD	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	123678-HxBDD	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	123789-HxBDD	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	1234678-HpBDD	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	OBDD	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	2378-TBDF	ng/kg	Variable			-	-	-	-	0.9	-	-	-	-	0.6	
	12378-PBDF	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	1	
	23478-PBDF	ng/kg	Variable			-	-	-	-	0.5	-	-	-	-	<DL	
	123478-HxBDF	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	0.5	
	123678-HxBDF	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	234678-HxBDF	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	123789-HxBDF	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	1234678-HpBDF	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	1234789-HpBDF	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
	OBDF	ng/kg	Variable			-	-	-	-	<DL	-	-	-	-	<DL	
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	General Description (Bulk Analysis)	None				soil.stones	soil.stones	Soil/Stone	Soil/Stones	Soil/Stone	soil.stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	
	Asbestos Level Screen	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
Total Organic Carbon	TOC	percent	0.02			-	-	-	-	7.21	7.06	-	-	-	1.64	
Other	Natural Moisture Content	percent	0.1			53.5	85.1	68.7	46.6	49.2	37.7	42.5	44.4	41.3	29.4	
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	1.5	0.7	0.54	0.91	3.31	2.16	1.44	0.72	0.64	1.04	
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	-	-	-	-	1459.092	-	-	-	-	14065.8	
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	-	-	0.1	-	-	-	-	0.14	

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

					Monitoring_Zone	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School
					Location_Code	GTCS2-S051A	GTCS2-S052A	GTCS2-S053A	GTCS2-S054A	GTCS2-S055A	GTCS2-S056A	GTCS2-S057A	GTCS2-S058A	GTCS2-S059A	GTCS2-S060A	
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	
					Sampled_Date_Time	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	
Chem_Group	**ChemName**	**output unit**	**EQL**	SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC											
Metals	Lead	mg/kg	5	1,050	310	72	503	105	89	106	97	44	69	138	118	
	Antimony	mg/kg	1		550	2	-	-	-	-	2	-	-	-	-	
PAH	Acenaphthene	mg/kg	0.05		6000	<0.05	<0.05	0.37	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Acenaphthylene	mg/kg	0.03		6000	0.04	0.08	1.78	0.05	0.06	0.04	<0.03	0.08	0.13	<0.03	
	Anthracene	mg/kg	0.04		37000	0.05	0.14	3.95	0.06	0.1	0.07	<0.04	0.11	0.16	<0.04	
	Benz(a)anthracene	mg/kg	0.06		15	0.19	0.39	6.86	0.24	0.34	0.25	0.17	0.39	0.66	0.1	
	Benzo(a) pyrene	mg/kg	0.04			0.29	0.49	5.46	0.34	0.42	0.28	0.23	0.46	0.8	0.12	
	Benzo(b)fluoranthene	mg/kg	0.05		4	0.44	0.65	7.08	0.46	0.51	0.38	0.37	0.6	1.16	0.17	
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			0.61	0.9	9.84	0.64	0.71	0.53	0.51	0.84	1.61	0.23	
	Benzo(g,h,i)perylene	mg/kg	0.04		360	0.28	0.42	3.45	0.32	0.33	0.24	0.24	0.39	0.73	0.1	
	Benzo(k)fluoranthene	mg/kg	0.02		110	0.17	0.25	2.76	0.18	0.2	0.15	0.14	0.24	0.45	0.06	
	Chrysene	mg/kg	0.02		32	0.28	0.44	5.53	0.28	0.35	0.27	0.19	0.38	0.77	0.12	
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	0.05	0.12	0.72	0.05	0.07	<0.04	<0.04	0.08	0.12	<0.04	
	Fluoranthene	mg/kg	0.03		1600	0.42	0.59	16.74	0.48	0.76	0.44	0.21	0.65	1.21	0.13	
	Fluorene	mg/kg	0.04		4500	<0.04	<0.04	0.94	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	0.29	0.44	3.71	0.32	0.33	0.21	0.23	0.39	0.68	0.09	
	Naphthalene	mg/kg	0.04		13	<0.04	0.05	0.09	<0.04	<0.04	<0.04	<0.04	<0.04	0.07	<0.04	
	Phenanthrene	mg/kg	0.03		1500	0.13	0.24	10.5	0.14	0.3	0.17	0.06	0.21	0.48	0.08	
	Pyrene	mg/kg	0.03		3800	0.35	0.58	12.84	0.44	0.63	0.39	0.19	0.56	1.04	0.12	
	PAH 16 Total	mg/kg	0.6			3	4.9	82.8	3.4	4.4	2.9	2	4.5	8.5	1.1	
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	0.0288	-	-	-	-	0.0142	-	-	-	-	
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	0.000515	-	-	-	-	0.000266	-	-	-	-	
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	0.187	-	-	-	-	0.0939	-	-	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	0.0034	-	-	-	-	0.00268	-	-	-	-	
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	0.377	-	-	-	-	0.194	-	-	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	0.00675	-	-	-	-	0.00369	-	-	-	-	
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	0.00912	-	-	-	-	0.00373	-	-	-	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	0.0904	-	-	-	-	0.0814	-	-	-	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	0.0278	-	-	-	-	0.0232	-	-	-	-	
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	0.044	-	-	-	-	0.039	-	-	-	-	
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	0.000774	-	-	-	-	0.000456	-	-	-	-	
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	0.0114	-	-	-	-	0.0176	-	-	-	-	
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			1.45	-	-	-	-	<DL	-	-	-	-	
	12378-PeCDD	ng/kg	Variable			0.432	-	-	-	-	<DL	-	-	-	-	
	123478-HxCDD	ng/kg	Variable			0.405	-	-	-	-	0.34	-	-	-	-	
	123678-HxCDD	ng/kg	Variable			2.06	-	-	-	-	1.87	-	-	-	-	
	123789 HxCDD	ng/kg	Variable			<DL	-	-	-	-	0.691	-	-	-	-	
	1234678-HpCDD	ng/kg	Variable			37.9	-	-	-	-	45.8	-	-	-	-	
	OCDD	ng/kg	Variable			253	-	-	-	-	301	-	-	-	-	
	TEQ(1) (NATO)	ng/kg	Variable			2.32	-	-	-	-	2,33	-	-	-	-	
	TEQ(2) (NATO)	ng/kg	Variable			1.91	-	-	-	-	1.98	-	-	-	-	
	OCDF	ng/kg	Variable			20.1	-	-	-	-	22.1	-	-	-	-	
	2378-TCDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	12378-PeCDF	ng/kg	Variable			0.516	-	-	-	-	1.13	-	-	-	-	
	23478-PeCDF	ng/kg	Variable			<DL	-	-	-	-	0.517	-	-	-	-	
	123478-HxCDF	ng/kg	Variable			1.87	-	-	-	-	2.18	-	-	-	-	
	123678-HxCDF	ng/kg	Variable			1.51	-	-	-	-	1.03	-	-	-	-	
	234678-HxCDF	ng/kg	Variable			1.25	-	-	-	-	1.12	-	-	-	-	
	123789-HxCDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	1234678-HpCDF	ng/kg	Variable			15	-	-	-	-	15.4	-	-	-	-	
	1234789-HpCDF	ng/kg	Variable			0.918	-	-	-	-	1.02	-	-	-	-	
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	12378-PBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	123478-HxBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	123678-HxBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	123789-HxBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	1234678-HpBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	OBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	2378-TBDF	ng/kg	Variable			0.9	-	-	-	-	1.2	-	-	-	-	
	12378-PBDF	ng/kg	Variable			<DL	-	-	-	-	0.6	-	-	-	-	
	23478-PBDF	ng/kg	Variable			0.5	-	-	-	-	0.5	-	-	-	-	
	123478-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	123678-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	234678-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	123789-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	1234678-HpBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	1234789-HpBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
	OBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-	
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	General Description (Bulk Analysis)	None				Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	soil.stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	
	Asbestos Level Screen	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
Total Organic Carbon	TOC	percent	0.02			2.87	-	-	-	-	3.66	1.67	-	-	-	
Other	Natural Moisture Content	percent	0.1			21.4	28.7	26.5	26	21	32.8	21.6	40.8	32.7	29.1	
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	0.29	0.49	5.46	0.34	0.42	0.28	0.23	0.46	0.8	0.12	
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	1127.6	-	-	-	-	870.3	-	-	-	-	
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	0.03	-	-	-	-	0.02	-	-	-	-	

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

					Monitoring_Zone	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School
					Location_Code	GTCS2-P002_SOIL	GTCS2-5061A	GTCS2-5062A	GTCS2-5063A	GTCS2-5064A	GTCS2-5065A	GTCS2-5066A	GTCS2-5067A	GTCS2-5068A	GTCS2-5069A	GTCS2-5070A	
					Sample_Depth_Range	0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0-0.2	0-0.2	
					Sampled_Date_Time	29/09/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	
				SCHOOLS	GAC_HH_RES PL_SLOAM_>3.48%TOC												
Chem_Group	**ChemName**	**output unit**	**EQL**														
Metals	Lead	mg/kg	5	1,050	310	276	153	111	128	116	136	122	103	257	179	265	
	Antimony	mg/kg	1		550	-	-	2	-	-	-	-	-	8	-	-	
SVOCs	Dibenzo[a,e]pyrene	ug/kg			42	170	-	-	-	-	-	-	-	-	-	-	
SVOC TIC	1,2,9,10-Dibenzopyrene	ug/kg				140	-	-	-	-	-	-	-	-	-	-	
	3,4:8,9-Dibenzopyrene	ug/kg				<10	-	-	-	-	-	-	-	-	-	-	
	benzo(c)fluorene	mg/kg				0.02	-	-	-	-	-	-	-	-	-	-	
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg				<10	-	-	-	-	-	-	-	-	-	-	
	Benzo(e)pyrene	ug/kg				870	-	-	-	-	-	-	-	-	-	-	
	Benzo[ghi]fluoranthene	ug/kg				130	-	-	-	-	-	-	-	-	-	-	
	Chrysene, 5-methyl-	ug/kg				<20	-	-	-	-	-	-	-	-	-	-	
	Dibenzo[a,l]pyrene	ug/kg				<10	-	-	-	-	-	-	-	-	-	-	
	Dibenzo[def,mno]chrysene	ug/kg				20	-	-	-	-	-	-	-	-	-	-	
PAH	Acenaphthene	mg/kg	0.05		6000	0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Acenaphthylene	mg/kg	0.03		6000	<0.17	0.14	0.05	0.1	0.08	0.1	0.06	0.08	0.08	0.08	0.12	
	Anthracene	mg/kg	0.04		37000	0.14	0.26	0.11	0.17	0.11	0.21	0.11	0.1	0.11	0.12	0.12	
	Benz(a)anthracene	mg/kg	0.06		15	0.44	0.7	0.49	0.69	0.49	0.7	0.6	0.47	0.45	0.58	0.54	
	Benzo(a) pyrene	mg/kg	0.04			0.67	0.76	0.43	0.71	0.46	0.66	0.77	0.62	0.55	0.9	0.67	
	Benzo(b)fluoranthene	mg/kg	0.05		4	0.66	0.99	0.56	0.93	0.63	0.9	1	0.82	0.7	1.19	0.84	
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			-	1.38	0.78	1.29	0.87	1.25	1.39	1.14	0.97	1.65	1.17	
	Benzo[g,h,i]perylene	mg/kg	0.04		360	0.71	0.6	0.33	0.55	0.37	0.53	0.53	0.49	0.48	0.79	0.63	
	Benzo(k)fluoranthene	mg/kg	0.02		110	0.33	0.39	0.22	0.36	0.24	0.35	0.39	0.32	0.27	0.46	0.33	
	Chrysene	mg/kg	0.02		32	0.42	0.77	0.37	0.6	0.34	0.62	0.76	0.54	0.47	0.74	0.56	
	Coronene	mg/kg				0.23	-	-	-	-	-	-	-	-	-	-	
	Dibenz[a,h]anthracene	mg/kg	0.04		0.32	0.15	0.09	0.08	0.11	0.1	0.11	0.11	0.08	0.07	0.16	0.11	
	Fluoranthene	mg/kg	0.03		1600	0.82	1.5	0.74	1.18	0.84	1.19	1.16	0.81	0.73	1	0.71	
	Fluorene	mg/kg	0.04		4500	0.03	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	0.68	0.51	0.34	0.57	0.38	0.56	0.52	0.44	0.47	0.71	0.55	
	Naphthalene	mg/kg	0.04		13	<0.11	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
	Phenanthrene	mg/kg	0.03		1500	0.37	0.77	0.3	0.42	0.42	0.5	0.41	0.23	0.35	0.31	0.25	
	Pyrene	mg/kg	0.03		3800	0.71	1.33	0.6	1.01	0.69	0.99	0.97	0.76	0.68	0.93	0.67	
	PAH 16 Total	mg/kg	0.6			-	8.8	4.6	7.4	5.2	7.4	7.4	5.8	5.4	8	6.1	
	PAH 4 SUM Lower	mg/kg				2.19	-	-	-	-	-	-	-	-	-	-	
	PAH 4 SUM Upper	mg/kg				2.19	-	-	-	-	-	-	-	-	-	-	
	Benzo[j]fluoranthene	mg/kg			0.42	0.33	-	-	-	-	-	-	-	-	-	-	
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	-	-	0.0241	-	-	-	-	-	0.127	-	-	
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	-	-	0.00107	-	-	-	-	-	0.00394	-	-	
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	-	-	0.193	-	-	-	-	-	0.843	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	-	-	0.00602	-	-	-	-	-	0.0271	-	-	
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	-	-	0.378	-	-	-	-	-	1.33	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	-	-	0.00642	-	-	-	-	-	0.0395	-	-	
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	-	-	0.00507	-	-	-	-	-	0.0195	-	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	-	-	0.0956	-	-	-	-	-	0.702	-	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	-	-	0.0282	-	-	-	-	-	0.309	-	-	
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	-	-	0.0442	-	-	-	-	-	0.482	-	-	
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	-	-	<DL	-	-	-	-	-	0.0033	-	-	
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	-	-	0.011	-	-	-	-	-	0.135	-	-	
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	-	15.4	-	-	
	12378-PeCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	-	3.48	-	-	
	123478-HxCDD	ng/kg	Variable			-	-	0.523	-	-	-	-	-	4.58	-	-	
	123678-HxCDD	ng/kg	Variable			-	-	1.74	-	-	-	-	-	21.9	-	-	
	123789 HxCDD	ng/kg	Variable			-	-	0.59	-	-	-	-	-	7.9	-	-	
	1234678-HpCDD	ng/kg	Variable			-	-	57.3	-	-	-	-	-	712	-	-	
	OCDD	ng/kg	Variable			-	-	496	-	-	-	-	-	6490	-	-	
	TEQ(1) (NATO)	ng/kg	Variable			-	-	3.27	-	-	-	-	-	31.2	-	-	
	TEQ(2) (NATO)	ng/kg	Variable			-	-	2.78	-	-	-	-	-	30.7	-	-	
	OCDF	ng/kg	Variable			-	-	24.6	-	-	-	-	-	472	-	-	
	2378-TCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	12378-PeCDF	ng/kg	Variable			-	-	0.803	-	-	-	-	-	3.62	-	-	
	23478-PeCDF	ng/kg	Variable			-	-	1.87	-	-	-	-	-	9.8	-	-	
	123478-HxCDF	ng/kg	Variable			-	-	1.73	-	-	-	-	-	14.3	-	-	
	123678-HxCDF	ng/kg	Variable			-	-	1.05	-	-	-	-	-	7.27	-	-	
	234678-HxCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	-	11.1	-	-	
	123789-HxCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	1234678-HpCDF	ng/kg	Variable			-	-	15.1	-	-	-	-	-	145	-	-	
	1234789-HpCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	-	11.1	-	-	
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	12378-PBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	123478-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	123678-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	123789-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	1234678-HpBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	OBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	2378-TBDF	ng/kg	Variable			-	-	1.5	-	-	-	-	-	1.4	-	-	
	12378-PBDF	ng/kg	Variable			-	-	0.7	-	-	-	-	-	0.7	-	-	
	23478-PBDF	ng/kg	Variable			-	-	0.5	-	-	-	-	-	<DL	-	-	
	123478-HxBDF	ng/kg	Variable			-	-	0.8	-	-	-	-	-	<DL	-	-	
	123678-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	234678-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	123789-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	1234678-HpBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	-	0.6	-	-	
	1234789-HpBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
	OBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	-	<DL	-	-	
Asbestos	Asbestos Containing Material	None				-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Fibres (2)	None				-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Type	None				-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	General Description (Bulk Analysis)	None				-	soil.stones	soil.stones	Soil/Stone	Soil/Stone	soil.stones	Soil/Stone	Soil/Stones	soil.stones	Soil/Stone	Soil/Stone	
	Asbestos Level Screen	None				-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
Total Organic Carbon	TOC	percent	0.02			-	-	5.67	-	-	-	-	13.31	4.62	-	-	
Other	Natural Moisture Content	percent	0.1			-	35.4	37.1	40.1	35.9	39.9	40.3	62.2	41.2	29.8	37.2	
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	0.54	0.76	0.43	0.71	0.46	0.66	0.77	0.62	0.55	0.9	0.67	
	Sum of PCDD/F +PCB12	ng/kg	Various		8700	-	-	1400.036	-	-	-	-	12012.69	-	-	-	
AECOM Calculated	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	0.03	-	-	-	-	0.27	-	-	-	

GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

					Monitoring_Zone	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery
					Location_Code	GTCS2-5071A	GTCS2-5072A	GTCS2-5073A	GTCS2-5074A	GTCS2-5075A	GTCS2-5076A	GTCS2-5077A	GTCS2-5078A	GTCS2-5079A	GTCS2-5080A	
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	
					Sampled_Date_Time	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	
Chem_Group	**ChemName**	**output unit**	**EQL**	SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC											
BARGE	Lead – total (BARGE method)	mg/kg	5			-	1179	-	-	-	-	-	-	-	-	
	Bioaccessible Lead – stomach	mg/kg	5			-	725	-	-	-	-	-	-	-	-	
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	304	-	-	-	-	-	-	-	-	
Bioaccessible Fraction Metals	Bioaccessible Fraction (BAF) - Lead	percent	0			-	61	-	-	-	-	-	-	-	-	
	Lead	mg/kg	5	1,050	310	90	3056	115	71	32	244	160	183	131	95	
	Antimony	mg/kg	1		550	-	-	2	-	-	-	-	3	-	-	
PAH	Acenaphthene	mg/kg	0.05		6000	<0.05	0.1	<0.05	<0.05	<0.05	0.42	<0.05	0.08	0.16	<0.05	
	Acenaphthylene	mg/kg	0.03		6000	<0.03	0.21	0.08	0.04	<0.03	0.26	0.09	0.57	0.57	0.09	
	Anthracene	mg/kg	0.04		37000	<0.04	0.13	0.12	0.07	<0.04	2.22	0.17	0.84	1.31	0.17	
	Benz(a)anthracene	mg/kg	0.06		15	<0.06	0.82	0.64	0.29	<0.06	4.34	0.84	4.57	6.37	0.92	
	Benzo(a) pyrene	mg/kg	0.04			<0.04	1.21	0.76	0.28	<0.04	3.2	0.96	3.74	6.14	1.1	
	Benzo(b)fluoranthene	mg/kg	0.05		4	<0.05	2.31	1.09	0.35	<0.05	4.05	1.17	4.89	7.74	1.3	
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			<0.07	3.21	1.51	0.49	<0.07	5.63	1.63	6.79	10.75	1.8	
	Benzo(g,h,i)perylene	mg/kg	0.04		360	<0.04	1.05	0.56	0.2	<0.04	1.91	0.64	2.65	4.34	0.72	
	Benzo(k)fluoranthene	mg/kg	0.02		110	<0.02	0.9	0.42	0.14	<0.02	1.58	0.46	1.9	3.01	0.5	
	Chrysene	mg/kg	0.02		32	<0.02	1.65	0.75	0.22	<0.02	3.24	0.9	3.39	4.31	1.05	
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	<0.04	0.21	0.14	<0.04	<0.04	0.32	0.14	0.55	0.91	0.13	
	Fluoranthene	mg/kg	0.03		1600	0.07	2.88	1.05	0.34	<0.03	8.66	1.55	6.62	8.65	1.7	
	Fluorene	mg/kg	0.04		4500	<0.04	0.07	<0.04	<0.04	<0.04	0.43	<0.04	0.13	0.19	<0.04	
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	<0.04	1.1	0.59	0.22	<0.04	2.04	0.68	2.7	4.51	0.79	
	Naphthalene	mg/kg	0.04		13	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	0.17	0.14	<0.04	
	Phenanthrene	mg/kg	0.03		1500	<0.03	1.39	0.34	0.14	<0.03	6.75	0.52	1.9	2.88	0.49	
	Pyrene	mg/kg	0.03		3800	0.07	2.31	0.93	0.32	<0.03	7.21	1.36	5.9	8.08	1.47	
	PAH 16 Total	mg/kg	0.6			<0.6	16.3	7.5	2.6	<0.6	46.7	9.5	40.6	59.3	10.4	
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	-	-	0.0323	-	-	-	-	0.00104	-	-	
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	-	-	0.0323	-	-	-	-	0.0324	-	-	
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	-	-	0.206	-	-	-	-	0.172	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	-	-	0.0068	-	-	-	-	0.00596	-	-	
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	-	-	0.456	-	-	-	-	0.355	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	-	-	0.00553	-	-	-	-	0.00535	-	-	
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	-	-	0.00591	-	-	-	-	0.00412	-	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	-	-	0.0855	-	-	-	-	0.0823	-	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	-	-	0.0214	-	-	-	-	0.0272	-	-	
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	-	-	0.0382	-	-	-	-	0.039	-	-	
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	-	-	<DL	-	-	-	-	<DL	-	-	
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	-	-	0.0103	-	-	-	-	0.0126	-	-	
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	12378-PeCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	123478-HxCDD	ng/kg	Variable			-	-	0.522	-	-	-	-	1.05	-	-	
	123678-HxCDD	ng/kg	Variable			-	-	1.47	-	-	-	-	2.9	-	-	
	123789 HxCDD	ng/kg	Variable			-	-	1.19	-	-	-	-	1.25	-	-	
	1234678-HpCDD	ng/kg	Variable			-	-	62.2	-	-	-	-	83.3	-	-	
	OCDD	ng/kg	Variable			-	-	513	-	-	-	-	702	-	-	
	TEQ(1) (NATO)	ng/kg	Variable			-	-	3.56	-	-	-	-	4.14	-	-	
	TEQ(2) (NATO)	ng/kg	Variable			-	-	3.09	-	-	-	-	3.32	-	-	
	OCDF	ng/kg	Variable			-	-	46.1	-	-	-	-	57.7	-	-	
	2378-TCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	12378-PeCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	23478-PeCDF	ng/kg	Variable			-	-	1.5	-	-	-	-	<DL	-	-	
	123478-HxCDF	ng/kg	Variable			-	-	1.78	-	-	-	-	2.58	-	-	
	123678-HxCDF	ng/kg	Variable			-	-	1.39	-	-	-	-	3.28	-	-	
	234678-HxCDF	ng/kg	Variable			-	-	1.43	-	-	-	-	3.41	-	-	
	123789-HxCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	1234678-HpCDF	ng/kg	Variable			-	-	37	-	-	-	-	26.6	-	-	
	1234789-HpCDF	ng/kg	Variable			-	-	0.688	-	-	-	-	1.68	-	-	
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	12378-PBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	123478-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	123678-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	123789-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	1234678-HpBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	OBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	2378-TBDF	ng/kg	Variable			-	-	1.3	-	-	-	-	<DL	-	-	
	12378-PBDF	ng/kg	Variable			-	-	1	-	-	-	-	0.6	-	-	
	23478-PBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	123478-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	0.8	-	-	
	123678-HxBDF	ng/kg	Variable			-	-	0.7	-	-	-	-	<DL	-	-	
	234678-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	123789-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	1234678-HpBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	1234789-HpBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
	OBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-	
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	General Description (Bulk Analysis)	None				Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	Soil/Stone	
	Asbestos Level Screen	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
Total Organic Carbon	TOC	percent	0.02			-	-	18.7	-	-	-	-	5.58	12.46	-	
Other	Natural Moisture Content	percent	0.1			85.8	63.6	69.6	39.8	19.9	44.8	27.4	31.8	42.8	31.5	
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	0	1.21	0.76	0.28	0	3.2	0.96	3.74	6.14	1.1	
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	-	-	1575.16	-	-	-	-	1630.18	-	-	
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	0.03	-	-	-	-	0.03	-	-	

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysied
HH: Human Health

					Monitoring_Zone	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School
					Location_Code	GTCS2-S081A	GTCS2-S082A	GTCS2-S083A	GTCS2-S084A	GTCS2-S085A	GTCS2-S086A	GTCS2-S087A	GTCS2-S088A	GTCS2-S089A	GTCS2-S090A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020
Chem_Group	ChemName	output unit	EQL	SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC										
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	539	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5			-	-	436	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	47	-	-	-	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	81	-	-	-	-	-	-	-
Metals	Lead	mg/kg	5	1,050	310	135	387	1059	176	138	125	124	68	55	102
	Antimony	mg/kg	1		550	-	-	-	3	-	-	-	-	2	-
PAH	Acenaphthene	mg/kg	0.05		6000	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03		6000	0.07	0.21	0.32	0.13	0.11	0.12	0.12	0.14	0.11	0.16
	Anthracene	mg/kg	0.04		37000	0.08	0.25	0.27	0.2	0.12	0.18	0.17	0.16	0.34	0.23
	Benz(a)anthracene	mg/kg	0.06		15	0.24	0.99	2.71	0.65	0.46	0.63	0.89	0.51	1.21	0.8
	Benzo(a) pyrene	mg/kg	0.04			0.29	1.22	3.42	0.71	0.57	0.78	1.04	0.65	1.08	0.93
	Benzo(b)fluoranthene	mg/kg	0.05		4	0.43	1.73	4.63	1.06	0.78	1.07	1.35	0.88	1.53	1.29
	Benzo(b&k)fluoranthene	mg/kg	0.07			0.6	2.4	6.43	1.47	1.09	1.48	1.88	1.22	2.13	1.79
	Benzo(g,h,i)perylene	mg/kg	0.04		360	0.28	0.97	2.82	0.62	0.48	0.62	0.77	0.52	0.74	0.76
	Benzo(k)fluoranthene	mg/kg	0.02		110	0.17	0.67	1.8	0.41	0.31	0.41	0.53	0.34	0.6	0.5
	Chrysene	mg/kg	0.02		32	0.28	0.95	2.69	0.7	0.49	0.71	0.92	0.56	1.25	0.92
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	0.05	0.18	0.48	0.16	0.09	0.11	0.12	0.09	0.17	0.15
	Fluoranthene	mg/kg	0.03		1600	0.45	2.29	3.06	1.31	0.94	1.3	1.6	0.86	3	1.54
	Fluorene	mg/kg	0.04		4500	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	0.26	0.95	2.78	0.61	0.46	0.6	0.76	0.51	0.83	0.77
	Naphthalene	mg/kg	0.04		13	<0.04	0.09	<0.04	0.05	<0.04	<0.04	0.06	<0.04	<0.04	0.06
	Phenanthrene	mg/kg	0.03		1500	0.16	0.77	0.61	0.52	0.3	0.39	0.53	0.24	1.17	0.42
	Pyrene	mg/kg	0.03		3800	0.39	1.95	2.82	1.12	0.83	1.16	1.53	0.8	2.38	1.46
	PAH 16 Total	mg/kg	0.6			3.2	13.2	28.4	8.3	5.9	8.1	10.4	6.3	14.4	10
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	-	-	-	0.0401	-	-	-	-	0.0312	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	-	-	-	0.00155	-	-	-	-	0.00106	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	-	-	-	0.671	-	-	-	-	0.301	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	-	-	-	0.029	-	-	-	-	0.0119	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	-	-	-	1.51	-	-	-	-	0.756	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	-	-	-	0.0147	-	-	-	-	0.00577	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	-	-	-	0.0105	-	-	-	-	0.00526	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	-	-	-	0.27	-	-	-	-	0.105	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	-	-	-	0.0701	-	-	-	-	0.0245	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	-	-	-	0.108	-	-	-	-	0.042	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	-	-	-	0.00105	-	-	-	-	0.000317	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	-	-	-	0.0137	-	-	-	-	0.00819	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			-	-	-	3.58	-	-	-	-	3.22	-
	12378-PeCDD	ng/kg	Variable			-	-	-	<DL	-	-	-	-	0.271	-
	123478-HxCDD	ng/kg	Variable			-	-	-	0.874	-	-	-	-	<DL	-
	123678-HxCDD	ng/kg	Variable			-	-	-	2.49	-	-	-	-	<DL	-
	123789 HxCDD	ng/kg	Variable			-	-	-	1.14	-	-	-	-	<DL	-
	1234678-HpCDD	ng/kg	Variable			-	-	-	93.6	-	-	-	-	17.6	-
	OCDD	ng/kg	Variable			-	-	-	847	-	-	-	-	112	-
	TEQ(1) (NATO)	ng/kg	Variable			-	-	-	5.83	-	-	-	-	1.64	-
	TEQ(2) (NATO)	ng/kg	Variable			-	-	-	5.29	-	-	-	-	1.35	-
	OCDF	ng/kg	Variable			-	-	-	38.8	-	-	-	-	8.08	-
	2378-TCDD	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	12378-PeCDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	0.719	-
	23478-PeCDF	ng/kg	Variable			-	-	-	3.32	-	-	-	-	0.672	-
	123478-HxCDF	ng/kg	Variable			-	-	-	3.21	-	-	-	-	<DL	-
	123678-HxCDF	ng/kg	Variable			-	-	-	1.64	-	-	-	-	0.765	-
	234678-HxCDF	ng/kg	Variable			-	-	-	2.77	-	-	-	-	0.788	-
	123789-HxCDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	1234678-HpCDF	ng/kg	Variable			-	-	-	22	-	-	-	-	6.85	-
	1234789-HpCDF	ng/kg	Variable			-	-	-	1.28	-	-	-	-	<DL	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	12378-PBDD	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	123478-HxBDD	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	123678-HxBDD	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	123789-HxBDD	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	1234678-HpBDD	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	OBDD	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	2378-TBDF	ng/kg	Variable			-	-	-	0.9	-	-	-	-	0.6	-
	12378-PBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	23478-PBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	123478-HxBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	123678-HxBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	234678-HxBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	123789-HxBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	12378-PBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	23478-PBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	123478-HxBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	123789-HxBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	1234678-HpBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
	OBDF	ng/kg	Variable			-	-	-	<DL	-	-	-	-	<DL	-
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	Soil/Stones	soil.stones	Soil/Stones	Soil/Stone
	Asbestos Level Screen	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Asbestos level cannot be determined from Screen. Quantification required.	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	<0.001	-	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	<0.001	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	<0.001	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	<0.001	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	<0.001	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			-	-	-	4.33	-	-	-	-	24.62	6.35
Other	Natural Moisture Content	percent	0.1			31.4	25.6	23.9	32.1	32.4	50.8	51.4	74.6	112.6	45.6
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	0.29	1.22	3.42	0.71	0.57	0.78	1.04	0.65	1.08	0.93
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	-	-	-	3772.524	-	-	-	-	1446.152	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	-	0.05	-	-	-	-	0.02	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

						Monitoring_Zone	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School
						Location_Code	GTCS2-5091A	GTCS2-5092A	GTCS2-5093A	GTCS2-5094A	GTCS2-5095A	GTCS2-5096A	GTCS2-5097A	GTCS2-5098A	GTCS2-5099A	GTCS2-5100A
						Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
						Sampled_Date_Time	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020
				SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC											
Chem_Group	**ChemName**	**output unit**	**EQL**													
Metals	Lead	mg/kg	5	1,050	310		173	189	101	203	171	329	162	180	130	218
	Antimony	mg/kg	1		550		-	-	-	-	5	-	-	-	-	4
PAH	Acenaphthene	mg/kg	0.05		6000		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03		6000		0.04	0.22	0.04	0.1	0.12	0.25	0.04	0.06	<0.03	0.04
	Anthracene	mg/kg	0.04		37000		0.06	0.31	0.06	0.41	0.18	0.52	0.07	0.09	<0.04	<0.04
	Benz(a)anthracene	mg/kg	0.06		15		0.25	1.18	0.2	1.23	0.76	1.67	0.27	0.27	0.17	0.24
	Benzo(a) pyrene	mg/kg	0.04				0.3	1.35	0.2	1.18	0.85	1.61	0.3	0.32	0.2	0.29
	Benzo(b)fluoranthene	mg/kg	0.05		4		0.4	1.77	0.28	1.61	1.07	2.2	0.4	0.42	0.27	0.3
	Benzo(b)&(k)fluoranthene	mg/kg	0.07				0.55	2.46	0.39	2.23	1.49	3.05	0.55	0.59	0.38	0.42
	Benzo(g,h,i)perylene	mg/kg	0.04		360		0.26	1.01	0.2	0.85	0.58	1.22	0.26	0.27	0.2	0.53
	Benzo(k)fluoranthene	mg/kg	0.02		110		0.15	0.69	0.11	0.62	0.42	0.85	0.15	0.17	0.11	0.12
	Chrysene	mg/kg	0.02		32		0.3	1.27	0.24	1.29	0.83	1.76	0.3	0.3	0.2	1.35
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32		<0.04	0.19	<0.04	0.15	0.13	0.22	0.07	<0.04	<0.04	<0.04
	Fluoranthene	mg/kg	0.03		1600		0.48	2.34	0.36	2.59	1.63	3.66	0.48	0.59	0.28	0.34
	Fluorene	mg/kg	0.04		4500		<0.04	<0.04	<0.04	0.07	<0.04	0.05	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46		0.24	1.04	0.15	0.75	0.55	1.19	0.23	0.26	0.17	0.2
	Naphthalene	mg/kg	0.04		13		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03		1500		0.18	0.72	0.13	1.18	0.48	1.19	0.17	0.26	0.11	0.11
	Pyrene	mg/kg	0.03		3800		0.43	2.09	0.39	2.18	1.41	3.06	0.43	0.51	0.26	0.56
	PAH 16 Total	mg/kg	0.6				3.1	14.2	2.4	14.2	9	19.5	3.2	3.5	2	4.1
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	5		38		-	-	-	-	0.123	-	-	-	-	0.0901
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	5		12		-	-	-	-	0.00281	-	-	-	-	0.00331
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	5		120		-	-	-	-	0.445	-	-	-	-	0.94
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	5		120		-	-	-	-	0.012	-	-	-	-	0.0339
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	5		120		-	-	-	-	0.386	-	-	-	-	0.387
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	5		120		-	-	-	-	0.0273	-	-	-	-	0.0619
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	5		0.036		-	-	-	-	0.0126	-	-	-	-	0.0214
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	5		120		-	-	-	-	0.314	-	-	-	-	0.656
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	5		120		-	-	-	-	0.114	-	-	-	-	0.197
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	5		120		-	-	-	-	0.154	-	-	-	-	0.295
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	5		0.12		-	-	-	-	<DL	-	-	-	-	0.00192
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	5		130		-	-	-	-	0.0396	-	-	-	-	0.051
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable				-	-	-	-	3.53	-	-	-	-	3.49
	12378-PeCDD	ng/kg	Variable				-	-	-	-	0.513	-	-	-	-	1.32
	123478-HxCDD	ng/kg	Variable				-	-	-	-	2.12	-	-	-	-	2.55
	123678-HxCDD	ng/kg	Variable				-	-	-	-	8.17	-	-	-	-	10.2
	123789 HxCDD	ng/kg	Variable				-	-	-	-	3.95	-	-	-	-	6.15
	1234678-HpCDD	ng/kg	Variable				-	-	-	-	292	-	-	-	-	329
	OCDD	ng/kg	Variable				-	-	-	-	3050	-	-	-	-	3470
	TEQ(1) (NATO)	ng/kg	Variable				-	-	-	-	11.2	-	-	-	-	12.8
	TEQ(2) (NATO)	ng/kg	Variable				-	-	-	-	10.9	-	-	-	-	12.5
	OCDF	ng/kg	Variable				-	-	-	-	119	-	-	-	-	91.2
	2378-TCDD	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	12378-PeCDF	ng/kg	Variable				-	-	-	-	1.59	-	-	-	-	1.63
	23478-PeCDF	ng/kg	Variable				-	-	-	-	2.49	-	-	-	-	2.59
	123478-HxCDF	ng/kg	Variable				-	-	-	-	3.52	-	-	-	-	3.65
	123678-HxCDF	ng/kg	Variable				-	-	-	-	1.99	-	-	-	-	2.8
	234678-HxCDF	ng/kg	Variable				-	-	-	-	3.9	-	-	-	-	3.15
	123789-HxCDF	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	1234678-HpCDF	ng/kg	Variable				-	-	-	-	48.1	-	-	-	-	38.4
	1234789-HpCDF	ng/kg	Variable				-	-	-	-	2.66	-	-	-	-	2.87
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	12378-PBDD	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	123478-HxBDD	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	123678-HxBDD	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	123789-HxBDD	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	1234678-HpBDD	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	OBDD	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	2378-TBDF	ng/kg	Variable				-	-	-	-	0.9	-	-	-	-	1.6
	12378-PBDF	ng/kg	Variable				-	-	-	-	1.3	-	-	-	-	0.9
	23478-PBDF	ng/kg	Variable				-	-	-	-	0	-	-	-	-	0.8
	123478-HxBDF	ng/kg	Variable				-	-	-	-	0.5	-	-	-	-	<DL
	123678-HxBDF	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	234678-HxBDF	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	123789-HxBDF	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	1234678-HpBDF	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	1234789-HpBDF	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
	OBDF	ng/kg	Variable				-	-	-	-	<DL	-	-	-	-	<DL
Asbestos	Asbestos Level Screen	None					No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001				-	-	-	-	-	<0.001	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001				-	-	-	-	-	<0.001	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001				-	-	-	-	-	<0.001	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001				-	-	-	-	-	<0.001	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001				-	-	-	-	-	<0.001	-	-	-	-
Total Organic Carbon	TOC	percent	0.02				3.01	-	-	-	9	-	-	-	-	5.1
Other	Natural Moisture Content	percent	0.1				25.3	71	39.3	36.8	65.9	24	30.5	50.5	53.9	43.4
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3		0.3	1.35	0.2	1.18	0.85	1.61	0.3	0.32	0.2	0.29
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700		-	-	-	-	5195.943	-	-	-	-	6732.83
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1		-	-	-	-	0.10	-	-	-	-	0.13

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

Table J11 - GQRA Screening Table for Area 11 - Grenfell Creche Under 3s' Centre / Grenfell Nursery

					Monitoring_Zone	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery
					Location_Code	GTCS2-S101A	GTCS2-S102A	GTCS2-S103A	GTCS2-S104A	GTCS2-S105A	GTCS2-S106A	GTCS2-S107A	GTCS2-S108A	GTCS2-S109A	GTCS2-S110A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC										
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	-	-	-	-	-	-	860	545
	Bioaccessible Lead – stomach	mg/kg	5			-	-	-	-	-	-	-	-	611	353
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	-	-	-	-	-	-	243	223
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	-	-	-	-	71	65
Metals	Lead	mg/kg	5	1,050	310	168	118	142	129	88	150	310	349	777	497
	Antimony	mg/kg	1		550	4	-	-	-	-	4	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05		6000	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03		6000	0.06	<0.03	<0.03	0.05	<0.03	0.13	<0.03	0.17	0.12	0.16
	Anthracene	mg/kg	0.04		37000	0.1	<0.04	0.05	0.06	<0.04	0.13	<0.04	0.19	0.11	0.15
	Benz(a)anthracene	mg/kg	0.06		15	0.54	0.23	0.26	0.21	0.2	0.69	0.12	0.67	0.73	0.55
	Benzo(a) pyrene	mg/kg	0.04			0.62	0.3	0.31	0.27	0.21	0.85	0.12	0.83	0.91	0.74
	Benzo(b)fluoranthene	mg/kg	0.05		4	0.84	0.41	0.4	0.36	0.29	1.07	0.16	1.14	1.23	1.02
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			1.17	0.57	0.56	0.5	0.4	1.48	0.22	1.59	1.71	1.41
	Benzo(g,h,i)perylene	mg/kg	0.04		360	0.51	0.27	0.27	0.22	0.18	0.59	0.12	0.7	0.73	0.65
	Benzo(k)fluoranthene	mg/kg	0.02		110	0.33	0.16	0.16	0.14	0.11	0.41	0.06	0.45	0.48	0.39
	Chrysene	mg/kg	0.02		32	0.61	0.27	0.27	0.27	0.24	0.82	0.13	0.95	0.87	0.8
	Coronene	mg/kg	0.04			-	-	-	-	-	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	0.08	<0.04	0.05	<0.04	<0.04	0.12	<0.04	0.11	0.12	0.1
	Fluoranthene	mg/kg	0.03		1600	1	0.4	0.36	0.4	0.38	1.08	0.2	1.6	1.37	1.28
	Fluorene	mg/kg	0.04		4500	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	0.48	0.27	0.26	0.21	0.16	0.54	0.11	0.64	0.77	0.55
	Naphthalene	mg/kg	0.04		13	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.12	<0.04
	Phenanthrene	mg/kg	0.03		1500	0.39	0.16	0.14	0.21	0.12	0.2	0.08	0.57	0.48	0.45
	Pyrene	mg/kg	0.03		3800	0.82	0.34	0.31	0.33	0.33	1.02	0.17	1.4	1.2	1.13
	PAH 16 Total	mg/kg	0.6			6.4	2.8	2.8	2.7	2.2	7.7	1.3	9.4	9.2	8
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	0.185	-	-	-	-	0.373	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	0.00478	-	-	-	-	0.00732	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	1.5	-	-	-	-	1.29	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	0.0215	-	-	-	-	0.0716	-	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	0.388	-	-	-	-	0.389	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	0.0979	-	-	-	-	0.0381	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	0.0518	-	-	-	-	0.0262	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	1.06	-	-	-	-	0.984	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	0.327	-	-	-	-	0.314	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	0.408	-	-	-	-	0.454	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	0.00296	-	-	-	-	0.0023	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	0.116	-	-	-	-	0.135	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			4.62	-	-	-	-	<DL	-	-	-	-
	12378-PeCDD	ng/kg	Variable			1.28	-	-	-	-	1.12	-	-	-	-
	123478-HxCDD	ng/kg	Variable			1.83	-	-	-	-	2.06	-	-	-	-
	123678-HxCDD	ng/kg	Variable			15.3	-	-	-	-	10.1	-	-	-	-
	123789 HxCDD	ng/kg	Variable			7.68	-	-	-	-	4.14	-	-	-	-
	1234678-HpCDD	ng/kg	Variable			690	-	-	-	-	307	-	-	-	-
	OCDD	ng/kg	Variable			6630	-	-	-	-	2720	-	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable			20.9	-	-	-	-	10.5	-	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable			20.7	-	-	-	-	10.2	-	-	-	-
	OCDF	ng/kg	Variable			154	-	-	-	-	122	-	-	-	-
	2378-TCDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	12378-PeCDF	ng/kg	Variable			1.44	-	-	-	-	1.8	-	-	-	-
	23478-PeCDF	ng/kg	Variable			2.82	-	-	-	-	1.04	-	-	-	-
	123478-HxCDF	ng/kg	Variable			3.78	-	-	-	-	4.07	-	-	-	-
	123678-HxCDF	ng/kg	Variable			2.68	-	-	-	-	2.28	-	-	-	-
	234678-HxCDF	ng/kg	Variable			4.19	-	-	-	-	2.62	-	-	-	-
	123789-HxCDF	ng/kg	Variable			0.506	-	-	-	-	<DL	-	-	-	-
	1234678-HpCDF	ng/kg	Variable			74.3	-	-	-	-	58.3	-	-	-	-
	1234789-HpCDF	ng/kg	Variable			5.44	-	-	-	-	3.93	-	-	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	12378-PBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	123478-HxBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	123678-HxBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	123789-HxBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	1234678-HpBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	OBDD	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	2378-TBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	12378-PBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	23478-PBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	123478-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	123678-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	234678-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	123789-HxBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	1234678-HpBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	1234789-HpBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
	OBDF	ng/kg	Variable			<DL	-	-	-	-	<DL	-	-	-	-
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Containing Material (2)	None				-	-	No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-
	Asbestos Fibres (2)	None				No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (3)	None				-	-	No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-
	Asbestos Type	None				No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type 2	None				-	-	No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-
	General Description (Bulk Analysis)	None				Soil/Stone	soil.stones	Soil/Stone	Soil/Stone	soil.stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone
	Asbestos Level Screen	None				No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	<0.001	-	-	-	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	<0.001	-	-	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	<0.001	-	-	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	<0.001	-	-	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			-	<0.001	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			7.98	5.96	-	-	-	4.51	-	-	-	-
Other	Natural Moisture Content	percent	0.1			40.9	29.7	27.7	28.6	30.6	34.8	31.7	58.8	38.3	45
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	0.62	0.3	0.31	0.27	0.21	0.85	0.12	0.83	0.91	0.74
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	11,804	-	-	-	-	7345.68	-	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	0.22	-	-	-	-	0.12	-	-	-	-

Comments

GAC: Generic Assessment Criteria

(blank): No assessment criteria available

- : Not analysed

HH: Human Health

					Monitoring_Zone	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school
					Location_Code	GTCS2-S111A	GTCS2-S112A	GTCS2-S113A	GTCS2-S114A	GTCS2-S115A	GTCS2-S116A	GTCS2-S117A	GTCS2-S118A	GTCS2-S119A	GTCS2-S120A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020
Chem_Group	ChemName	output unit	EQL	SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC										
BARGE	Lead – total (BARGE method)	mg/kg	5			-	495	-	-	804	-	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5			-	271	-	-	463	-	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	62	-	-	169	-	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0			-	55	-	-	58	-	-	-	-	-
Metals	Lead	mg/kg	5	1,050	310	436	466	362	391	722	433	356	441	413	284
	Antimony	mg/kg	1		550		13	-	-	-	-	9	-	-	-
PAH	Acenaphthene	mg/kg	0.05		6000	0.13	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	0.36	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03		6000	0.35	0.07	0.43	0.22	0.41	0.49	0.17	0.41	0.31	0.25
	Anthracene	mg/kg	0.04		37000	0.69	0.07	0.53	0.23	0.57	0.58	0.19	0.67	0.42	0.3
	Benz(a)anthracene	mg/kg	0.06		15	2.42	0.37	2.2	1.23	1.85	2.05	0.82	2.92	2.08	1.67
	Benzo(a) pyrene	mg/kg	0.04			2.59	0.37	2.64	1.26	2.32	2.59	1.03	3.5	2.17	1.6
	Benzo(b)fluoranthene	mg/kg	0.05		4	3.28	0.47	3.56	1.72	3.05	3.37	1.35	4.57	2.85	2.15
	Benzo(b&(k)fluoranthene	mg/kg	0.07			4.56	0.65	4.95	2.39	4.24	4.68	1.88	6.35	3.96	2.99
	Benzo(g,h,i)perylene	mg/kg	0.04		360	1.68	0.26	2.04	0.87	1.95	2.07	0.84	2.53	1.65	1.19
	Benzo(k)fluoranthene	mg/kg	0.02		110	1.28	0.18	1.39	0.67	1.19	1.31	0.53	1.78	1.11	0.84
	Chrysene	mg/kg	0.02		32	2.5	0.35	2.56	1.22	2.08	2.33	1.01	3.11	1.98	1.52
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	0.4	<0.04	0.39	0.17	0.37	0.37	0.19	0.59	0.3	0.25
	Fluoranthene	mg/kg	0.03		1600	5.23	0.61	4.65	2.2	3.49	4.28	1.64	5.36	3.55	2.84
	Fluorene	mg/kg	0.04		4500	0.16	<0.04	0.09	<0.04	<0.04	0.11	<0.04	0.28	0.06	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	1.86	0.28	1.95	0.92	1.87	1.98	0.84	2.63	1.68	1.11
	Naphthalene	mg/kg	0.04		13	0.07	<0.04	0.09	<0.04	0.08	0.09	<0.04	2.63	0.09	<0.04
	Phenanthrene	mg/kg	0.03		1500	2.28	0.2	1.46	0.64	1.27	1.4	0.47	2.22	1.11	0.91
	Pyrene	mg/kg	0.03		3800	4.45	0.55	4.01	1.92	2.97	3.68	1.47	4.61	3.04	2.45
	PAH 16 Total	mg/kg	0.6			29.4	3.8	28.1	13.3	23.5	26.7	10.6	38.2	22.4	17.1
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	-	0.0213	-	-	-	-	0.0659	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	-	0.00114	-	-	-	-	0.00322	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	-	0.122	-	-	-	-	0.475	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	-	0.00403	-	-	-	-	0.0169	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	-	0.39	-	-	-	-	0.391	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	-	0.00598	-	-	-	-	0.0141	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	-	0.00251	-	-	-	-	0.0154	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	-	0.0437	-	-	-	-	0.176	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	-	0.0116	-	-	-	-	0.043	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	-	0.0188	-	-	-	-	0.0711	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	-	0.000666	-	-	-	-	0.00217	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	-	0.00564	-	-	-	-	0.0143	-	-	-
Chlorinated Dioxins and	2378-TCDF	ng/kg	Variable			-	3.99	-	-	-	-	5.31	-	-	-
Furans	12378-PeCDD	ng/kg	Variable			-	0.49	-	-	-	-	1.26	-	-	-
	123478-HxCDD	ng/kg	Variable			-	0.507	-	-	-	-	1.42	-	-	-
	123678-HxCDD	ng/kg	Variable			-	2.53	-	-	-	-	4.81	-	-	-
	123789 HxCDD	ng/kg	Variable			-	1.35	-	-	-	-	1.71	-	-	-
	1234678-HpCDD	ng/kg	Variable			-	55.7	-	-	-	-	56.7	-	-	-
	OCDD	ng/kg	Variable			-	411	-	-	-	-	415	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable			-	4.34	-	-	-	-	7.57	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable			-	3.84	-	-	-	-	7.18	-	-	-
	OCDF	ng/kg	Variable			-	31	-	-	-	-	39.3	-	-	-
	2378-TCDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	12378-PeCDF	ng/kg	Variable			-	1.79	-	-	-	-	1.43	-	-	-
	23478-PeCDF	ng/kg	Variable			-	1.5	-	-	-	-	5.02	-	-	-
	123478-HxCDF	ng/kg	Variable			-	2.69	-	-	-	-	4.43	-	-	-
	123678-HxCDF	ng/kg	Variable			-	2.19	-	-	-	-	4.78	-	-	-
	234678-HxCDF	ng/kg	Variable			-	2.66	-	-	-	-	4.01	-	-	-
	123789-HxCDF	ng/kg	Variable			-	<DL	-	-	-	-	0.272	-	-	-
	1234678-HpCDF	ng/kg	Variable			-	15.3	-	-	-	-	26.3	-	-	-
	1234789-HpCDF	ng/kg	Variable			-	1.11	-	-	-	-	1.28	-	-	-
Brominated Dioxins and	2378-TBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
Furans	12378-PBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	123478-HxBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	123678-HxBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	123789-HxBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	OBDD	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	2378-TBDF	ng/kg	Variable			-	0.7	-	-	-	-	0.9	-	-	-
	12378-PBDF	ng/kg	Variable			-	0.9	-	-	-	-	<DL	-	-	-
	23478-PBDF	ng/kg	Variable			-	<DL	-	-	-	-	0.6	-	-	-
	123478-HxBDF	ng/kg	Variable			-	0.5	-	-	-	-	<DL	-	-	-
	123678-HxBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	234678-HxBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	123789-HxBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	1234789-HpBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
	OBDF	ng/kg	Variable			-	<DL	-	-	-	-	<DL	-	-	-
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones
	Asbestos Level Screen	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02			-	11.07	5.75	-	-	-	13.44	-	-	-
Other	Natural Moisture Content	percent	0.1			82.2	84.9	43.6	56.1	62.4	75.3	58	56.4	49.9	58.8
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	2.59	0.37	2.64	1.26	2.32	2.59	1.03	3.5	2.17	1.6
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	-	1169.353	-	-	-	-	1875.872	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	0.04	-	-	-	-	0.09	-	-	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

					Monitoring_Zone	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre
					Location_Code	GTCS2-S121A	GTCS2-S122A	GTCS2-S123A	GTCS2-S124A	GTCS2-S125A	GTCS2-S126A	GTCS2-S127A	GTCS2-S128A	GTCS2-S129A	GTCS2-S130A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.05
					Sampled_Date_Time	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	SCHOOLS	GAC_HH_RES-PL_SLOAM_>3.48%TOC										
Metals	Lead	mg/kg	5	1,050	310	59	123	192	33	20	31	21	211	366	25
	Antimony	mg/kg	1		550	-	-	4	-	-	-	-	3	-	-
PAH	Acenaphthene	mg/kg	0.05		6000	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03		6000	<0.03	0.07	0.12	<0.03	<0.03	<0.03	<0.03	<0.03	0.08	<0.03
	Anthracene	mg/kg	0.04		37000	<0.04	0.12	0.21	<0.04	0.06	<0.04	<0.04	0.05	0.18	<0.04
	Benz(a)anthracene	mg/kg	0.06		15	0.13	0.81	1.13	0.08	0.19	<0.06	<0.06	0.41	1.04	<0.06
	Benzo(a) pyrene	mg/kg	0.04			0.14	1.12	1.49	0.06	0.14	<0.04	<0.04	0.34	1.19	<0.04
	Benzo(b)fluoranthene	mg/kg	0.05		4	0.19	1.43	2.02	0.09	0.21	<0.05	<0.05	0.43	1.47	0.07
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			0.26	1.99	2.8	0.12	0.29	<0.07	<0.07	0.6	2.04	0.1
	Benzo(g,h,i)perylene	mg/kg	0.04		360	0.12	0.85	1.07	<0.04	0.1	<0.04	<0.04	0.23	0.76	<0.04
	Benzo(k)fluoranthene	mg/kg	0.02		110	0.07	0.56	0.78	0.03	0.08	<0.02	<0.02	0.17	0.57	0.03
	Chrysene	mg/kg	0.02		32	0.13	0.85	1.18	0.04	0.19	<0.02	<0.02	0.31	0.99	0.04
	Dibenz(a,h)anthracene	mg/kg	0.04		0.32	<0.04	0.16	0.23	<0.04	<0.04	<0.04	<0.04	<0.04	0.13	<0.04
	Fluoranthene	mg/kg	0.03		1600	0.23	1.39	1.93	0.05	0.33	<0.03	<0.03	0.56	2.02	<0.03
	Fluorene	mg/kg	0.04		4500	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		46	0.11	0.85	1.14	<0.04	0.1	<0.04	<0.04	0.24	0.85	<0.04
	Naphthalene	mg/kg	0.04		13	<0.04	<0.04	0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03		1500	0.1	0.46	0.66	<0.03	0.32	<0.03	<0.03	0.2	0.54	<0.03
	Pyrene	mg/kg	0.03		3800	0.19	1.23	1.7	0.05	0.24	<0.03	<0.03	0.46	1.88	<0.03
	PAH 16 Total	mg/kg	0.6			1.4	9.9	13.7	<0.6	2	<0.6	<0.6	3.4	11.7	<0.6
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	-	-	0.0282	-	-	-	-	0.0071	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	-	-	0.000947	-	-	-	-	<DL	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	-	-	0.127	-	-	-	-	0.0361	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	-	-	0.00321	-	-	-	-	0.0014	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	-	-	0.392	-	-	-	-	0.393	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	-	-	0.0156	-	-	-	-	0.00495	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	-	-	0.0031	-	-	-	-	0.00158	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	-	-	0.062	-	-	-	-	0.0167	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	-	-	0.0219	-	-	-	-	0.00448	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	-	-	0.0322	-	-	-	-	0.00702	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	-	-	<DL	-	-	-	-	<DL	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	-	-	0.0111	-	-	-	-	0.00358	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	1.73	-	-
	12378-PeCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123678-HxCDD	ng/kg	Variable			-	-	5.66	-	-	-	-	0.905	-	-
	123789 HxCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpCDD	ng/kg	Variable			-	-	161	-	-	-	-	27.4	-	-
	OCDD	ng/kg	Variable			-	-	1130	-	-	-	-	153	-	-
	TEQ(1) (NATO)	ng/kg	Variable			-	-	6.9	-	-	-	-	3.54	-	-
	TEQ(2) (NATO)	ng/kg	Variable			-	-	6.27	-	-	-	-	3.09	-	-
	OCDF	ng/kg	Variable			-	-	61.8	-	-	-	-	12.1	-	-
	2378-TCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	12378-PeCDF	ng/kg	Variable			-	-	1.19	-	-	-	-	<DL	-	-
	23478-PeCDF	ng/kg	Variable			-	-	2.72	-	-	-	-	2.57	-	-
	123478-HxCDF	ng/kg	Variable			-	-	2.96	-	-	-	-	3.98	-	-
	123678-HxCDF	ng/kg	Variable			-	-	2.71	-	-	-	-	2.84	-	-
	234678-HxCDF	ng/kg	Variable			-	-	4.09	-	-	-	-	2.19	-	-
	123789-HxCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpCDF	ng/kg	Variable			-	-	47.8	-	-	-	-	19.1	-	-
	1234789-HpCDF	ng/kg	Variable			-	-	2.19	-	-	-	-	1.3	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	12378-PBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123678-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123789-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	OBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	2378-TBDF	ng/kg	Variable			-	-	0.7	-	-	-	-	<DL	-	-
	12378-PBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	23478-PBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123678-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	234678-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123789-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234789-HpBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	OBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	soil.stones	Soil/Stones
	Asbestos Level Screen	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02			-	-	5.6	3.57	-	-	-	3.04	-	-
Other	Natural Moisture Content	percent	0.1			18.9	44.9	34	29.4	26.7	31.1	23.4	35.5	18.2	25.6
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		17.1	5.3	0.14	1.12	1.49	0.06	0.14	0	0	0.34	1.19	0
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	-	-	2132.547	-	-	-	-	709.655	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	0.05	-	-	-	-	0.03	-	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

				Monitoring_Zone	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments
				Location_Code	GTCS2-P007_SOIL	GTCS2-P008_SOIL	GTCS2-P009_SOIL	GTCS2-P010_SOIL	GTCS2-P011_SOIL	GTCS2-P012_SOIL	GTCS2-P012_SOIL (retest)	GTCS2-S131A	GTCS2-S132A	GTCS2-S132A	GTCS2-S132A	GTCS2-S133A	GTCS2-S134A	GTCS2-S134A	GTCS2-S134A	GTCS2-S135A	GTCS2-S136A	GTCS2-S136A	GTCS2-S136A	GTCS2-S137A	GTCS2-S138A	GTCS2-S138A	GTCS2-S138A	GTCS2-S139A	GTCS2-S140A	GTCS2-S140A	GTCS2-S140A
				Sample_Depth_Range	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.02	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.5
				Sampled_Date_Time	30/09/2020	30/09/2020	30/09/2020	30/09/2020	30/09/2020	30/09/2020	30/09/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020
				GAC_HH_ALLOT_SLOAM_>3.48%TOC																											
Chem_Group	ChemName	output unit	EQL																												
BARGE	Lead – total (BARGE method)	mg/kg	5		-	-	-	-	-	-	-	-	-	-	-	-	-	408	-	-	588	643	-	-	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5		-	-	-	-	-	-	-	-	-	-	-	-	-	288	-	-	428	435	-	-	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5		-	-	-	-	-	-	-	-	-	-	-	-	-	38	-	-	161	42	-	-	-	-	-	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction Anthracene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	46.6	-	-	-	-	-	32.3	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction (BAF) - Lead	percent	0		-	-	-	-	-	-	-	-	-	-	-	-	-	71	-	-	73	68	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Acenaphthene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.8	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Acenaphthylene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	41.8	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(a)anthracene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	58.6	-	-	-	-	-	37.3	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(a)pyrene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	41.4	-	-	-	-	-	26.6	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(ghi)perylene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	47.9	-	-	-	-	-	30.1	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(bk)fluoranthene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	45.6	-	-	-	-	-	31.9	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Chrysene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	48.5	-	-	-	-	-	37.2	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Dibenzo(ah)anthracene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	68.5	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Fluoranthene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	53.8	-	-	-	-	-	37.9	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Indeno(123cd)pyrene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	36.8	-	-	-	-	-	21.6	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Fluorene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.7	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Phenanthrene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	54.4	-	-	-	-	-	36.3	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Pyrene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	52.4	-	-	-	-	-	40.3	-	-	-	-	-	-	-	-	-
VOC TIC	VOC TICs	None			-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	-	<DL	<DL	<DL
Metals	Aluminium	mg/kg	50		-	-	-	-	-	-	-	18,020	-	-	-	18,910	-	-	-	25,960	-	-	-	19,420	-	-	-	-	16,770	16,520	23,490
	Arsenic	mg/kg	0.5	49	-	-	-	-	-	-	-	18.4	-	-	-	15.9	-	-	-	12.4	-	-	-	19.4	-	-	-	-	15.9	14.7	16.1
	Barium	mg/kg	1	102	-	-	-	-	-	-	-	182	-	-	-	239	-	-	-	189	-	-	-	165	-	-	-	-	179	163	116
	Beryllium	mg/kg	0.5	35	-	-	-	-	-	-	-	1.7	-	-	-	1.6	-	-	-	3.4	-	-	-	1.6	-	-	-	-	1.5	1.4	1.5
	Boron	mg/kg	0.1	45	-	-	-	-	-	-	-	3.9	-	-	-	4.1	-	-	-	6.4	-	-	-	2.6	-	-	-	-	3.3	3.2	3
	Cadmium	mg/kg	0.1	3.9	-	-	-	-	-	-	-	0.6	-	-	-	0.5	-	-	-	0.4	-	-	-	0.6	-	-	-	-	0.5	0.4	0.1
	Chromium (hexavalent)	mg/kg	0.3	170	-	-	-	-	-	-	-	<0.3	-	-	-	<0.3	-	-	-	<0.3	-	-	-	<0.3	-	-	-	-	<0.3	<0.3	<0.3
	Chromium (III+VI)	mg/kg	0.5	18,000	-	-	-	-	-	-	-	74	-	-	-	85	-	-	-	79.8	-	-	-	87.6	-	-	-	-	95.5	77.5	78.3
	Copper	mg/kg	1	520	-	-	-	-	-	-	-	92	-	-	-	123	-	-	-	73	-	-	-	90	-	-	-	-	73	64	45
	Lead	mg/kg	5	80	256	430	395	218	252	14,200	184	216	243	244	269	297	370	589	36	149	543	565	113	216	326	330	328	454	267	233	161
	Mercury	mg/kg	0.1	19	-	-	-	-	-	-	-	0.4	-	-	-	0.6	-	-	-	0.4	-	-	-	1	-	-	-	-	1.2	0.8	1.5
	Nickel	mg/kg	0.7	53	-	-	-	-	-	-	-	26.1	-	-	-	23.9	-	-	-	42.3	-	-	-	28.4	-	-	-	-	23.2	21.5	23.5
	Selenium	mg/kg	1	88	-	-	-	-	-	-	-	1	-	-	-	<1	-	-	-	1	-	-	-	1	-	-	-	-	<1	1	2
	Vanadium	mg/kg	1	91	-	-	-	-	-	-	-	70	-	-	-	73	-	-	-	86	-	-	-	73	-	-	-	-	64	69	82
	Zinc	mg/kg	5	620	-	-	-	-	-	-	-	278	-	-	-	262	-	-	-	174	-	-	-	191	-	-	-	-	216	195	127
	Antimony	mg/kg	1	44.3	-	-	-	-	-	-	-	4	-	-	-	5	-	-	-	4	-	-	-	24	7	7	6	-	6	5	4
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	4400	-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	1,1,1-trichloroethane	ug/kg	5	240000	-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	1,1,2,2-tetrachloroethane	ug/kg	3	2000	-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	1,1,2-trichloroethane	ug/kg	4	1400	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	1,1-dichloroethane	ug/kg	6	35000	-	-	-	-	-	-	-	<6	-	-	-	<6	-	-	-	<6	-	-	-	<6	-	-	-	-	<6	<6	<6
	1,1-dichloroethene	ug/kg	6	12000	-	-	-	-	-	-	-	<6	-	-	-	<6	-	-	-	<6	-	-	-	<6	-	-	-	-	<6	<6	<6
	1,1-dichloropropene	ug/kg	3		-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	1,2,3-trichlorobenzene	ug/kg	7	28000	-	-	-	-	-	-	-	<7	-	-	-	<7	-	-	-	<7	-	-	-	<7	-	-	-	-	<7	<7	<7
	1,2,3-trichloropropane	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	1,2,4-trimethylbenzene	ug/kg	6	2200	-	-	-	-	-	-	-	<6	-	-	-	<6	-	-	-	<6	-	-	-	<6	-	-	-	-	<6	<6	<6
	1,2-dibromo-3-chloropropane	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	1,2-dibromoethane	ug/kg	3		-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	1,2-dichloroethane	ug/kg	5	16	-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	1,2-dichloropropane	ug/kg	4	2600	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	1,3,5-trimethylbenzene	ug/kg	3		-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	1,3-dichloropropane	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	2,2-dichloropropane	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	2-chlorotoluene	ug/kg	3		-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	4-chlorotoluene	ug/kg	3		-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	Benzene	ug/kg	5	180	-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	Bromobenzene	ug/kg	2	18000	-	-	-	-	-	-	-	<2	-	-	-	<2	-	-	-	<2	-	-	-	<2	-	-	-	-	<2	<2	<2
	Bromochloromethane	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Bromodichloromethane	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Bromoform	ug/kg	4	4600	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Bromomethane	ug/kg	1		-	-	-	-	-	-	-	<1	-	-	-	<1	-	-	-	<1	-	-	-	<1	-	-	-	-	<1	<1	<1
	Carbon tetrachloride	ug/kg	4	2400	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Chlorobenzene	ug/kg	4	32000	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Chlorodibromomethane	ug/kg	5		-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	Chloroethane	ug/kg	6	380000	-	-	-	-	-	-	-	<6	-	-	-	<6	-	-	-	<6	-	-	-	<6	-	-	-	-	<6	<6	<6
	Chloroform	ug/kg	5	1700	-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	Chloromethane	ug/kg	3	230	-	-	-	-	-	-	-	7	-	-	-	7	-	-	-	9	-	-	-	4	-	-	-	-	<3	<3	<3
	cis-1,2-dichloroethene	ug/kg	7	1000	-	-	-	-	-	-	-	<7	-	-	-	<7	-	-	-	<7	-	-	-	<7	-	-	-	-	<7	<7	<7
	cis-1,3-dichloropropene	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Dibromomethane	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Dichlorodifluoromethane	ug/kg	2		-	-	-	-	-	-	-	<2	-	-	-	<2	-	-	-	<2	-	-	-	<2	-	-	-	-	<2	<2	<2
	Dichloromethane	ug/kg	30	340	-	-	-	-	-	-	-	<30	-	-	-	<30	-	-	-	<30	-	-	-	<30	-	-	-	-	<30	<30	<30
	Ethylbenzene	ug/kg	3	91000	-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	Isopropylbenzene	ug/kg	3	190000	-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	MTBE	ug/kg	6	90000	-	-	-	-	-	-	-	<6	-	-	-	<6	-	-	-	<6	-	-	-	<6	-	-	-	-	<6	<6	<6
	n-butylbenzene	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	n-propylbenzene	ug/kg	4	200000	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	sec-butylbenzene	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Styrene	ug/kg	3	8700	-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	tert-butylbenzene	ug/kg	5		-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	Tetrachloroethene	ug/kg	3	3600	-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	Toluene	ug/kg	3	120000	-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	trans-1,2-dichloroethene	ug/kg	3	4000	-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	trans-1,3-dichloropropene	ug/kg	3		-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	Trichloroethene	ug/kg	5	210	-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	Trichlorofluoromethane	ug/kg	3		-	-	-	-	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	<3	-	-	-	-	<3	<3	<3
	Xylene (m & p)	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Xylene (o)	ug/kg	4	160000	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Vinyl chloride	ug/kg	2	1.8	-	-	-	-	-	-	-	<2	-	-	-	<2	-	-	-	<2	-	-	-	<2	-	-	-	-	<2	<2	<2
	Carbon disulfide	mg/kg	0.003	23	-	-	-	-	-	-	-	<0.003	-	-	-	<0.003	-	-	-	<0.003	-	-	-	<0.003	-	-	-	-	<0.003	<0.003	<0.003
SVOCs	Dibenzo[a,e]pyrene	ug/kg			590	760	450	330	260	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylnaphthalene	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	39	-	-	-	288	-	-	-	<10	-	-	-	-	21	<10	<10
	4-bromophenyl phenyl ether	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	4-chlorophenyl phenyl ether	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	Azobenzene	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	Bis(2-chloroethoxy) methane	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	Bis(2-chloroethyl)ether	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	Carbazole	ug/kg	10		-	-	-	-	-	-	-	39	-	-	-	155	-	-	-	295	-	-	-	59	-	-	-	-	66	39	18
	Dibenzofuran	ug/kg	10		-	-	-	-	-	-	-	15	-	-	-	50	-	-	-	154	-	-	-	18	-	-	-	-	33	15	<10
	Hexachlorobutadiene	ug/kg	4	1400	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Hexachlorocyclopentadiene	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	Hexachloroethane	ug/kg	10	1600	-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
SVOC - Anilines	2-nitroaniline	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	3-nitroaniline	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	4-chloroaniline	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	4-nitroaniline	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10	1100	-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	2,6-dinitrotoluene	ug/kg	10	610	-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	Nitrobenzene	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10	17000	-	-	-	-	-	-	-	<10	-	-	-	15	-	-	-	19	-	-	-	<10	-	-	-	-	<10	<10	<10
	2-chloronaphthalene	ug/kg	10	230000	-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	2-methylphenol	ug/kg	10	63	-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	2-nitrophenol	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	4-chloro-3-methylphenol	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	4-methylphenol	ug/kg	10	63	-	-	-	-	-	-	-	<10	-	-	-	38	-	-	-	38	-	-	-	<10	-	-	-	-	<10	<10	<10
	4-nitrophenol	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	Phenol	ug/kg	10	83000	-	-	-	-	-	-	-	<10	-	-	-	26	-	-	-	31	-	-	-	<10	-	-	-	-	<10	<10	<10
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	2,4,6-trichlorophenol	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	2,4-dichlorophenol	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	2-chlorophenol	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
	Pentachlorophenol	ug/kg	10	190	-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	320000	-	-	-	-	-	-	-	<7	-	-	-	<7	-	-	-	<7	-	-	-	<7	-	-	-	-	<7	<7	<7
	1,2-dichlorobenzene	ug/kg	4	540000	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	1,3-dichlorobenzene	ug/kg	4	1500	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	1,4-dichlorobenzene	ug/kg	4	88000	-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Hexachlorobenzene	ug/kg	10	2500	-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
Phenolics	2,4,6-Tribromophenol	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.596	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100	280000	-	-	-	-	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	-	<100	<100	<100
	Butyl benzyl phthalate	ug/kg	100	1300000	-	-	-	-	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	-	<100	<100	<100
	Diethylphthalate	ug/kg	100	94000	-	-	-	-	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	-	<100	<100	<100
	Dimethyl phthalate	ug/kg	100	16400	-	-	-	-	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	-	<100	<100	<100
	Di-n-butyl phthalate	ug/kg	100	12000	-	-	-	-	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	-	<100	<100	<100
	Di-n-octyl phthalate	ug/kg	100	3900000	-	-	-	-	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	<100	-	-	-	-	<100	<100	<100
SVOC - Solvents	Isophorone	ug/kg	10		-	-	-	-	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	<10	-	-	-	-	<10	<10	<10
SVOC TIC	Benzocycloheptatriene	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.152	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[a,e]cyclooctene	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.577	-	-	-	-	-	-	-	-	-	-	-
	SVOC TICs	None			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	(3S,5R,8S)-3,8-Dimethyl-5-(prop-1-en-2-yl)-2,3,5,	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	737	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	: 4-((2-Methylphenyl)diazenyl)-1H-pyrazole-3,5-diamine	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	496	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,9,10-Dibenzopyrene	ug/kg			410	520	320	230	190	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,6-Dimethylphenazine	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	717	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11H-Benzo[a]carbazole	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	357	-	-	-	1807	-	-	-	-	-	-	-	-	-	-	-
	11H-Benzo[a]fluoren-11-one	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	885	-	-	-	1226	-	-	-	181	-	-	-	-	-	-	-
	11H-Benzo[a]fluorene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	501	-	-
	11H-Benzo(b)fluorene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	616	-	-	-	-	-	-	-	-	-	-	-	-	-	303	-
	1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	673	-	-	-	-	-	-	-	-	-	-	-
	2-Methylchrysene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1670	-	-	-	-	-	-	-	-	-	-	-
	3,4:8,9-Dibenzopyrene	ug/kg			80	130	30	20	20	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4H-Cyclopenta[def]phenanthrene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	452	-	-	-	-	-	-	-
	9,10-Anthracenedione	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	325	-	-	-	751	-	-	-	154	-	-	-	-	-	-	-
	9,10-Dimethylanthracene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1055	-	-	-	-	-	-	-	-	-	-	-
	9H-Fluoren-9-one	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-	-	-	-	-	-	-
	9H-Fluorene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	254	-	-	-	-	-	-	-	-	-	-	-
	9H-Fluorene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	262	-	-	-	-	-	-	-	-	-	-	-
	Anthra(1,2-b)thiophene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	769	-	-	-	1739	-	-	-	-	-	-	-	-	-	-	-
	Anthracene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	335	-	-	-	-	-	-	-	288	-	-	-	-	-	-	-
	Anthracene, 2-ethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	409	-	-	-	-	-	-	-	-	-	-	-
	Anthracene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	762	-	-	-	1810	-	-	-	-	-	-	-	-	242	-	-
	Benz[a]anthracene, 7-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	893	-	-	-	-	-	-	-	471	-	-	-	-	-	-	-
	benzo(c)fluorene	mg/kg			0.92	1.51	0.06	0.09	0.1	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100		60	330	180	180	120	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	293	-	-	-	-	267	175	-
	Benzo[b]naphtho[2,3-d]furan	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	558	-	-	-	1064	-	-	-	178	-	-	-	-	147	-	-
	Benzo[b]naphtho[2,3-d]thiophene	ug/kg	100		-	-	-	-	-	-	-	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(e)pyrene	ug/kg	100		3600	2760	1510	2080	1160	1450	-	815	-	-	-	3863	-	-	-	3018	-	-	-	1280	-	-	-	-	-	-	-
	Benzo[ghi]fluoranthene	ug/kg			400	450	250	270	460	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[kl]xanthene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chrysene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	536	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chrysene, 5-methyl-	ug/kg			<160	<150	<50	<50	<50	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chrysene, 6-methyl-	ug/kg	100		-	-	-	-	-	-	-	199	-	-	-	-	-	-	-	1763	-	-	-	-	-	-	-	-	-	-	-
	Cyclopenta(cd)pyrene, 3,4-dihydro-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	1265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo(a,i)pyrene	ug/kg			330	450	160	200	150	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg			1070	1730	180	300	350	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzothiophene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	372	-	-	-	-	-	-	-	-	-	-	-
	di-p-Tolylacetylene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1036	-	-	-	-	-	-	-	-	-	-	-
	Fluoranthene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	347	-	-	-	897	-	-	-	2803	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,3,6-trimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	186	-	-	-	212	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,7-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	269	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-phenyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	547	-	-	-	1803	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4		-	-	-	-	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	<4	-	-	-	-	<4	<4	<4
	Perylene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1085	601	-
	Phenanthrene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	754	-	-	-	1358	-	-	-	272	-	-	-	-	-	-	-
	Phenanthrene, 2,5-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	585	-	-	-	1751	-	-	-	200	-	-	-	-	-	-	-
	Phenanthrene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	581	-	-	-	-	-	-	-	220	-	-	-	-	-	-	-
	Phenanthrene, 3,6-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	933	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	201	-	-	-	1984	-	-	-	1680	-	-	-	651	-	-	-	-	223	-	-
	Pyrene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	811	-	-	-	-	-	-	-	188	-	-	-	-	-	-	-
	4b,10b-Dihydro-4b,10b-methanochrysene	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.441	-	-	-	-	-	-	-	-	-	-	-
	Triphenylene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	254	-	-
	Cyclobuta[1,2:3,4:3,4:3,4]dicyclobuta[1,2:1,2]dibenzene, 4b,4c,8b,8c-tetrahydro-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	504	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(b)naphtho(1,2-d)furan	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	688	-	-	-	-	-	-	-	-	-	-	-
	2-Methyldiphenylsulfone	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	651	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Benzoquinone, 2-hydroxy-5-(phenylthio)-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trioctylphosphine	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	488	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphtho(2,1,8-def)quinoline	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,5-dimethyl-	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.234	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,3-dimethyl-	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 4-methyl-	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.318	-	-	-	-	-	-	-	-	-	-	-
	Cyclohexane, hexaethylidene-	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	0.834	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Anthracene, 9-methyl-	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.262	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	200	0.16	0.2	0.09	0.11	0.09	0.13	-	0.12	<0.05	<0.05	<0.05	0.22	0.16	0.17	<0.05	0.07	0.48	0.36	<0.05	0.07	0.1	0.12	0.48	0.08	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	160	0.72	0.74	0.41	0.45	0.24	0.15	-	0.22	0.24	0.23	0.16	0.44	0.65	0.86	<0.03	0.3	1.04	1.08	<0.03	0.17	0.36	0.5	0.41	0.14	0.09	0.11	<0.03
	Anthracene	mg/kg	0.04	2200	1	1.32	0.59	0.54	0.43	0.44	-	0.52	0.44	0.34	0.31	1.14	1.14	1.52	0.12	0.67	2.46	2.38	0.1	0.37	0.65	0.97	3.69	0.33	0.31	0.24	<0.04
	Benz(a)anthracene	mg/kg	0.06	13	0.45	0.47	0.3	0.29	0.36	1.09	-	2.99	1.92	1.65	1.27	6.47	5.62	6.2	0.58	2.71	10.12	11.01	0.46	1.78	3.46	4.94	7.13	1.39	1.58	1.93	0.11
	Benzo(a) pyrene	mg/kg	0.04		3.92	4.35	1.84	2.66	1.81	1.18	-	3.52	2.11	1.93	1.26	7.7	6.45	6.94	0.54	3.04	11.52	12.13	0.46	1.94	3.76	5.7	6.73	1.48	1.79	2.08	0.1
	Benzo(b)fluoranthene	mg/kg	0.05	3.9	2.38	2.47	1.24	1.1	1.09	1.13	-	4.59	2.81	2.55	1.71	10.01	8.32	9.01	0.71	3.9	14.75	15.52	0.58	2.52	4.88	7.42	8.61	1.92	2.33	2.78	0.14
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		-	-	-	-	-	-	-	6.38	3.9	3.54	2.37	13.9	11.55	12.52	0.98	5.42	20.49	21.56	0.81	3.5	6.78	10.31	11.96	2.67	3.24	3.86	0.19
	Benzo(g,h,i)perylene	mg/kg	0.04	640	3.19	3.64	1.45	1.84	1.72	0.79	-	2.64	1.7	1.4	0.84	5.5	4.43	4.9	0.4	2.19	8.49	8.32	0.35	1.3	2.9	4.25	4.78	1.02	1.34	1.62	0.1
	Benzo(k)fluoranthene	mg/kg	0.02	130	2.83	0.75	1	1	0.87	0.58	-	1.79	1.09	0.99	0.66	3.89	3.23	3.51	0.27	1.52	5.74	6.04	0.23	0.98	1.9	2.89	3.35	0.75	0.91	1.08	0.05
	Chrysene	mg/kg	0.02	19	2.21	1.86	1.9	1.82	1.83	0.89	-	3.24	1.94	1.74	1.3	7	5.72	6.38	0.57	2.69	10.6	11.55	0.45	1.87	3.39	5.24	6.73	1.5	1.73	1.88	0.07
	Coronene	mg/kg	0.04		0.48	0.65	0.38	0.31	0.25	0.18	-	0.46	-	-	-	1.04	-	-	-	0.4	-	-	-	0.22	-	-	-	-	0.27	0.34	<0.04
	Dibenz(a,h)anthracene	mg/kg	0.04	0.43	0.8	0.51	0.29	0.41	0.31	0.18	-	0.48	0.31	0.2	0.15	0.96	0.84	0.92	0.07	0.34	1.37	1.72	0.06	0.22	0.49	0.63	0.84	0.19	0.23	0.26	<0.04
	Fluoranthene	mg/kg	0.03	290	2.96	4.6	2.28	1.91	2.11	1.38	-	5.8	3.74	3.14	2.55	14.18	11	12.76	1.19	5.42	21.07	22.36	0.91	3.82	6.45	9.83	18.46	3.07	3.2	3.17	0.16
	Fluorene	mg/kg	0.04	160	0.17	0.22	0.09	0.11	0.09	0.11	-	0.1	0.08	<0.04	<0.04	0.24	0.14	0.26	<0.04	0.09	0.49	0.33	<0.04	0.05	0.09	0.13	0.52	0.07	0.05	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	39	2.06	2.49	1.39	1.56	1.3	0.84	-	2.64	1.67	1.62	0.87	5.43	5.07	5.43	0.39	2.42	9.16	8.91	0.35	1.39	2.76	4.14	5.3	1.05	1.35	1.55	0.1
	Naphthalene	mg/kg	0.04	24	<0.33	<0.3	<0.2	<0.22	0.26	<0.17	-	0.12	0.05	<0.04	<0.04	0.19	0.13	0.14	<0.04	0.06	0.46	0.25	<0.04	<0.04	0.09	0.14	0.13	<0.04	<0.04	<0.04	<0.04

				Monitoring_Zone	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments
				Location_Code	GTCS2-P007_SOIL	GTCS2-P008_SOIL	GTCS2-P009_SOIL	GTCS2-P010_SOIL	GTCS2-P011_SOIL	GTCS2-P012_SOIL	GTCS2-P012_SOIL (retest)	GTCS2-S131A	GTCS2-S132A	GTCS2-S132A	GTCS2-S132A	GTCS2-S133A	GTCS2-S134A	GTCS2-S134A	GTCS2-S134A	GTCS2-S135A	GTCS2-S136A	GTCS2-S136A	GTCS2-S136A	GTCS2-S137A	GTCS2-S138A	GTCS2-S138A	GTCS2-S138A	GTCS2-S139A	GTCS2-S140A	GTCS2-S140A	GTCS2-S140A
				Sample_Depth_Range	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.02	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.5
				Sampled_Date_Time	30/09/2020	30/09/2020	30/09/2020	30/09/2020	30/09/2020	30/09/2020	30/09/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_ALLOT_SLOAM_>3.48%TOC																											
	Phenanthrene	mg/kg	0.03	90	3.18	4.47	1.81	1.65	1.62	1.61	-	2.11	1.41	0.98	1.07	5.02	3.57	4.74	0.46	1.92	8.6	7.87	0.24	1.22	2	2.75	13.82	1.16	1.2	1.01	0.08
	Pyrene	mg/kg	0.03	620	2.26	2.37	1.94	1.46	2.26	2.11	-	4.98	3.19	2.67	2.11	11.77	9.11	10.36	0.95	4.5	17.57	18.37	0.76	3.13	5.38	8.12	14	2.58	2.75	2.75	0.14
	PAH 16 Total	mg/kg	0.6		-	-	-	-	-	-	-	-	22.7	19.4	14.3	-	65.6	74.1	6.3	-	123.9	128.2	5	-	38.7	57.8	95	16.7	-	-	-
	PAH 17 Total	mg/kg	0.64		-	-	-	-	-	-	-	36.32	-	-	-	81.2	-	-	-	32.24	-	-	-	21.05	-	-	-	-	19.13	20.8	1.05
	PAH 4 SUM Lower	mg/kg			8.96	9.15	5.29	5.86	5.09	4.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg			8.96	9.15	5.29	5.86	5.09	4.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(j)fluoranthene	mg/kg			3.07	2.92	1.51	1.68	1.16	0.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5		-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	PCB 52	ug/kg	5		-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	PCB 101	ug/kg	5		-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	PCB 118	ug/kg	5		-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	PCB 138	ug/kg	5		-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	PCB 153	ug/kg	5		-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	PCB 180	ug/kg	5		-	-	-	-	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	<5	-	-	-	-	<5	<5	<5
	Total PCB 7 Congeners	ug/kg	35	200	-	-	-	-	-	-	-	<35	-	-	-	<35	-	-	-	<35	-	-	-	<35	-	-	-	-	<35	<35	<35
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		-	-	-	-	-	-	-	0.0381	-	-	-	0.0931	-	-	-	0.0427	-	-	-	0.169	0.0638	0.0684	0.0793	-	0.0378	0.0263	0.0087
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		-	-	-	-	-	-	-	0.00207	-	-	-	0.00452	-	-	-	0.0017	-	-	-	0.00913	0.00118	0.00294	0.0033	-	0.00282	0.00139	0.000572
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		-	-	-	-	-	-	-	0.352	-	-	-	0.294	-	-	-	0.899	-	-	-	0.509	0.305	0.319	0.3	-	0.31	0.251	0.0543
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		-	-	-	-	-	-	-	0.00702	-	-	-	0.00785	-	-	-	0.0437	-	-	-	0.0135	0.00901	0.0101	0.00763	-	0.00667	0.00566	0.00195
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		-	-	-	-	-	-	-	0.394	-	-	-	0.395	-	-	-	0.396	-	-	-	0.397	0.398	0.399	0.4	-	0.401	0.402	0.403
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		-	-	-	-	-	-	-	0.0159	-	-	-	0.00946	-	-	-	0.0216	-	-	-	0.0179	0.00573	0.00747	0.00835	-	0.012	0.0118	0.00398
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		-	-	-	-	-	-	-	0.00849	-	-	-	0.0112	-	-	-	0.00786	-	-	-	0.0143	0.00964	0.0115	0.00841	-	0.0127	0.00913	0.00667
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		-	-	-	-	-	-	-	0.134	-	-	-	0.124	-	-	-	0.481	-	-	-	0.162	0.128	0.139	0.111	-	0.13	0.116	0.0178
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		-	-	-	-	-	-	-	0.0364	-	-	-	0.0304	-	-	-	0.113	-	-	-	0.0438	0.0397	0.0394	0.0303	-	0.035	0.0297	0.00531
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		-	-	-	-	-	-	-	0.0568	-	-	-	0.054	-	-	-	0.172	-	-	-	0.0681	0.0567	0.0602	0.0494	-	0.0528	0.0469	0.008
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		-	-	-	-	-	-	-	0.00155	-	-	-	0.00209	-	-	-	0.0015	-	-	-	0.00253	0.00191	0.00236	0.00174	-	0.00224	0.00152	<DL
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		-	-	-	-	-	-	-	0.0113	-	-	-	0.0145	-	-	-	0.0284	-	-	-	0.0195	0.0162	0.0168	0.0133	-	0.0133	0.0122	0.00304
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		-	-	-	-	-	-	-	6.61	-	-	-	9.95	-	-	-	6.71	-	-	-	8.89	8.23	6.58	8.39	-	8.14	4.37	<DL
	12378-PeCDD	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	6.74	-	-	-	<DL	-	-	-	2.05	<DL	2.49	<DL	-	3.31	2.26	1.5
	123478-HxCDD	ng/kg	Variable		-	-	-	-	-	-	-	2.42	-	-	-	6.1	-	-	-	2.37	-	-	-	2.23	2.27	2.57	0.967	-	3.98	2.49	1.92
	123678-HxCDD	ng/kg	Variable		-	-	-	-	-	-	-	7.85	-	-	-	19.7	-	-	-	4.81	-	-	-	7.47	6.43	6.39	5.71	-	8.26	6.75	3.97
	123789 HxCDD	ng/kg	Variable		-	-	-	-	-	-	-	3.74	-	-	-	12.7	-	-	-	3.01	-	-	-	4.46	4.06	4.34	3.26	-	7.57	4.04	2.48
	1234678-HpCDD	ng/kg	Variable		-	-	-	-	-	-	-	150	-	-	-	113	-	-	-	62	-	-	-	77.4	71.4	84.8	55.7	-	76.3	55.6	23.9
	OCDD	ng/kg	Variable		-	-	-	-	-	-	-	1180	-	-	-	595	-	-	-	343	-	-	-	514	435	570	257	-	503	306	54.5
	TEQ(1) (NATO)	ng/kg	Variable		-	-	-	-	-	-	-	9.93	-	-	-	23.4	-	-	-	9.02	-	-	-	11.9	10.3	10.9	8.76	-	13.7	10	6.35
	TEQ(2) (NATO)	ng/kg	Variable		-	-	-	-	-	-	-	9.34	-	-	-	22.8	-	-	-	8.37	-	-	-	11.6	9.54	10.5	7.54	-	13.4	9.56	5.9
	OCDF	ng/kg	Variable		-	-	-	-	-	-	-	59.2	-	-	-	47.2	-	-	-	46.2	-	-	-	33.5	31.8	34.8	22.5	-	33.3	25.5	7.78
	2378-TCDD	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	12378-PeCDF	ng/kg	Variable		-	-	-	-	-	-	-	3.3	-	-	-	10.2	-	-	-	3.52	-	-	-	5.02	4.47	3.66	<DL	-	6.06	5.52	4.19
	23478-PeCDF	ng/kg	Variable		-	-	-	-	-	-	-	5.25	-	-	-	16.2	-	-	-	6.79	-	-	-	8.37	7.56	6.24	6.53	-	9.03	6.99	4.93
	123478-HxCDF	ng/kg	Variable		-	-	-	-	-	-	-	5.13	-	-	-	14.8	-	-	-	6.48	-	-	-	6.78	7.67	6.68	7.62	-	9.2	6.07	4.18
	123678-HxCDF	ng/kg	Variable		-	-	-	-	-	-	-	3.25	-	-	-	12.2	-	-	-	4.81	-	-	-	6.32	5.65	6.99	2.87	-	7.24	5.12	2.95
	234678-HxCDF	ng/kg	Variable		-	-	-	-	-	-	-	4.64	-	-	-	9.07	-	-	-	5.1	-	-	-	6.64	5.05	7.08	2.43	-	7.2	5.51	4.4
	123789-HxCDF	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	1.13	-	-	-	<DL	-	-	-	0.327	<DL	0.384	<DL	-	0.728	<DL	<DL
	1234678-HpCDF	ng/kg	Variable		-	-	-	-	-	-	-	43.7	-	-	-	46.5	-	-	-	44.5	-	-	-	44.6	40.7	41.7	29.2	-	38.8	32.2	17.2
	1234789-HpCDF	ng/kg	Variable		-	-	-	-	-	-	-	1.74	-	-	-	3.77	-	-	-	1.83	-	-	-	1.9	1.51	2.15	2.27	-	2.37	1.61	0.969
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	12378-PBDD	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	123478-HxBDD	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	123678-HxBDD	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	123789-HxBDD	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	1234678-HpBDD	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	OBDD	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	2378-TBDF	ng/kg	Variable		-	-	-	-	-	-	-	1.2	-	-	-	0.9	-	-	-	0.8	-	-	-	0.5	<DL	0.8	1.3	-	<DL	0.9	<DL
	12378-PBDF	ng/kg	Variable		-	-	-	-	-	-	-	0.8	-	-	-	0.6	-	-	-	0.5	-	-	-	<DL	<DL	<DL	0.8	-	<DL	0.7	<DL
	23478-PBDF	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	123478-HxBDF	ng/kg	Variable		-	-	-	-	-	-	-	0.5	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	0.6	-	<DL	<DL	<DL
	123678-HxBDF	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	234678-HxBDF	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	123789-HxBDF	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	1234678-HpBDF	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	1234789-HpBDF	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
	OBDF	ng/kg	Variable		-	-	-	-	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	-	-	-	<DL	<DL	<DL	<DL	-	<DL	<DL	<DL
Organophosphorous flame retardants	Tris(1-chloro-2-propyl)phosphate	mg/kg			-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	Tris(2-ethylhexyl) phosphate	mg/kg			-	-	-	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	-	<0.5	<0.5	<0.5
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
Polybrominated biphenyls (PBBs)	4,4-dibromobiphenyl (PBB 15)	mg/kg			-	-	-	-	-	-	-	0.000013	-	-	-	0.000062	-	-	-	0.000062	-	-	-	0.000049	-	-	-	-	0.000102	0.000031	0.000018
	2,2",4,5"-Tetrabromobiphenyl (PBB 49)	µg/kg	0.002		-	-	-	-	-	-	-	<0.002	-	-	-	<0.002	-	-	-	<0.002	-	-	-	<0.002	-	-	-	-	<0.002	<0.002	<0.002
	2,2",5,5"-Tetrabromobiphenyl (PBB 52)	µg/kg	0.002		-	-	-	-	-	-	-	<0.002	-	-	-	<0.002	-	-	-	<0.002	-	-	-	<0.002	-	-	-	-	<0.002	<0.002	<0.002
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.000002		-	-	-	-	-	-	-	<0.000002	-	-	-	<0.000002	-	-	-	<0.000002	-	-	-	<0.000002	-	-	-	-	<0.000002	<0.000002	<0.000002
	2,2",4,5,5"-Pentabromobiphenyl (PBB 101)	µg/kg	0.002		-	-	-	-	-	-	-	<0.003	-	-	-	<0.002	-	-	-	<0.002	-	-	-	<0.002	-	-	-	-	<0.006	<0.002	<0.002
	Hexabromobiphenyl (PBB 153)	mg/kg	0.000003		-	-	-	-	-	-	-	0.000004	-	-	-	<0.000003	-	-	-	<0.000003	-	-	-	0.000009	-	-	-	-	<0.000004	<0.000008	<0.000002
	Perbromobiphenyl (PBB 209)	µg/kg	0.049		-	-	-	-	-	-	-	<0.119	-	-	-	<DL	-	-	-	<0.116	-	-	-	<0.12	-	-	-	-	0.133	0.148	<0.049
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5		-	-	-	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	-	<0.5	<0.5	<0.5
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1		-	-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
Isocyanates	Isocyanic Acid	ug/kg	250		-	-	-	-	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
	Methyl Isocyanate	ug/kg	250		-	-	-	-	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
	Ethyl Isocyanate	ug/kg	250		-	-	-	-	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
	Propyl Isocyanate	ug/kg	250		-	-	-	-	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
	Phenyl Isocyanate	ug/kg	250		-	-	-	-	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
	Hexamethylene diisocyanate	ug/kg	250		-	-	-	-	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
	2,4-Toluene Diisocyanate	ug/kg	250		-	-	-	-	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
	2,6-Toluenediisocyanate	ug/kg	250		-	-	-	-	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
	Isophorone Diisocyanate	ug/kg	500		-	-	-	-	-	-	-	<500	-	-	-	<500	-	-	-	<500	-	-	-	<500	-	-	-	-	<500	<500	<500
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		-	-	-	-	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
Cyanides	Cyanide (Free)	mg/kg	0.5	20	-	-	-	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	-	<0.5	<0.5	<0.5
	Cyanide Total	mg/kg	0.5		-	-	-	-	-	-	-	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	-	<0.5	<0.5	<0.5
	Thiocyanate	mg/kg	0.6	20	-	-	-	-	-	-	-	1	-	-	-	<0.6	-	-	-	<0.6	-	-	-	<0.6	-	-	-	-	<0.6	<0.6	<0.6
Asbestos	Asbestos Containing Material	None			-	-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None			-	-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			-	-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			-	-	-	-	-	-	-	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
	Asbestos Level Screen	None			-	-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02		-	-	-	-	-	-	-	6.14	-	-	-	5.66	-	-	-	6.51	-	-	-	3.55	4.52	4.57	3.13	-	5.23	5.66	2.11
Other	Natural Moisture Content	percent	0.1		-	-	-	-	-	-	-	45.3	34.6	36.1	35.5	34.7	42.3	39.3	37.9	42.5	26.4	31.6	28.8	30.9	16.5	29.3	40.7	38.5	32.8	36	37
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		5.7	3.26	3.3	1.49	2.11	1.43	0.97	-	3.52	2.11	1.93	1.26	7.7	6.45	6.94	0.54	3.04	11.52	12.13	0.46	1.94	3.76	5.7	6.73	1.48	1.79	2.08	0.1
	Xylene Total	ug/kg		160000	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	0	0	0
	Trichlorobenzene (total)	ug/kg		2200	-	-	-	-	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	0	-	-	-	-	0	0	0
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		-	-	-	-	-	-	-	2553.73	-	-	-	2010.58	-	-	-	2766.98	-	-	-	2179.217	1686.51	1884.424	1433.477	-	1767.918	1403.19	660.441
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	-	-	-	-	-	-	-	0.08	-	-	-	0.24	-	-	-	0.08	-	-	-	0.12	0.09	0.12	0.07	-	0.14	0.1	0.06

Comments

GAC: Generic Assessment Criteria

(blank): No assessment criteria available

- : Not analysed

HH: Human Health

					Monitoring_Zone	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden
					Location_Code	GTCS 1-29	GTCS 1-30	GTCS2-P013_SOIL	GTCS2-P014_SOIL	GTCS2-P017_SOIL	GTCS2-S141A	GTCS2-S142A	GTCS2-S142A	GTCS2-S142A	GTCS2-S143A	GTCS2-S144A	GTCS2-S144A	GTCS2-S144A	GTCS2-S145A	GTCS2-S146A	GTCS2-S146A	GTCS2-S146A	GTCS2-S147A	GTCS2-S148A	GTCS2-S148A	GTCS2-S148A	GTCS2-S149A	GTCS2-S150A	GTCS2-S150A	GTCS2-S150A
					Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.02	0-0.05	0-0.2	0.3-0.4	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.4-0.5	0-0.2	0-0.02	0-0.2	0.5-0.6	0-0.2	0-0.02	0-0.2	0.5-0.6
					Sampled_Date_Time	06/06/2019	06/06/2019	24/09/2020	24/09/2020	30/09/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020
				GAC_HH_POS_PRK_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																									
Chem_Group	ChemName	output unit	EQL																											
VOC TIC	VOC TICs	None				<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals	Aluminium	mg/kg	50		77000	4386	12,066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.5	170	37	8.9	92.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	1		460	52	327	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.5	63	1.7	<0.5	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Boron	mg/kg	0.1	46000	290	2.8	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.1	880	22	0.3	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (Trivalent)	mg/kg	0.5	33000	910	24.9	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	250	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5	33000	910	24.9	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1	44000	2400	63	232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	5	1300	200	42	552	47	37	36	43	38	34	33	40	33	27	25	56	51	50	32	119	42	43	33	48	44	62	32
	Mercury	mg/kg	0.1	240	23|40	<0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	0.7	800	130	16.3	82.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	1	1800	250	<1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	1	5000	410	37	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	5	170000	3700	103	803	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	1		198	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	2100000	6400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5	100000000	39000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3	2300000	7500	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4		2700	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethane	ug/kg	6		7400	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethene	ug/kg	6		820	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7	1600000	8600	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4		5.1	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6		2000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4		5.3	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromoethane	ug/kg	3		36	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloroethane	ug/kg	5	28000	19	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloropropane	ug/kg	4		84	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3		270000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichloropropane	ug/kg	4		1600000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene	ug/kg	5	230,000	870	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromobenzene	ug/kg	2		4700	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromochloromethane	ug/kg	4		150000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromodichloromethane	ug/kg	4		290	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromoform	ug/kg	4		13000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromomethane	ug/kg	1		6800	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	ug/kg	4	400000	130	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorobenzene	ug/kg	4	2900000	2400	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorodibromomethane	ug/kg	5		8300	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroethane	ug/kg	6		18000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	ug/kg	5	3100000	3400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloromethane	ug/kg	3		13	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7		370	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibromomethane	ug/kg	4		24000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2		87000	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichloromethane	ug/kg	30		1700	<30	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethylbenzene	ug/kg	3	27000000	260000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isopropylbenzene	ug/kg	3		64000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MTBE	ug/kg	6		160000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-butylbenzene	ug/kg	4		3900000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-propylbenzene	ug/kg	4		190000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	sec-butylbenzene	ug/kg	4		7800000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Styrene	ug/kg	3		43000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	tert-butylbenzene	ug/kg	5		7800000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethene	ug/kg	3	1500000	900	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Toluene	ug/kg	3	100000000	660000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3		700	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethene	ug/kg	5	120000	75	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	ug/kg	3		23000000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (m & p)	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (o)	ug/kg	4	33000000	330000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vinyl chloride	ug/kg	2	5400	1.4	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon disulfide	mg/kg	0.003	2700	0.62	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs	Dibenzo[a,e]pyrene	ug/kg			42	-	-	30	<30	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylnaphthalene	ug/kg	10		240000	<10	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Azobenzene	ug/kg	10		5600	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10		230	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbazole	ug/kg	10			<10	233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzofuran	ug/kg	10		78000	<10	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobutadiene	ug/kg	4	51000	1600	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10		1800	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachloroethane	ug/kg	10		1100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		630000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloroaniline	ug/kg	10		2700	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitroaniline	ug/kg	10		27000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		78	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		7200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10		3900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nitrobenzene	ug/kg	10		5100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		97000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chloronaphthalene	ug/kg	10		22000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloro-3-methylphenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenol	ug/kg	10	1300000	380000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10		49000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-dichlorophenol	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorophenol	ug/kg	10		390000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorophenol	ug/kg	10	120000	1200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	4000000	15000	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4	51000000	130000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4	470000	2300	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4	36000000	350000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobenzene	ug/kg	10	30000	4900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1100000	32,607	609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100		7200000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diethylphthalate	ug/kg	100		570000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dimethyl phthalate	ug/kg	100		16400	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100		67000	<100	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100		3100000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10		570000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC TIC	1,2,9,10-Dibenzopyrene	ug/kg				-	-	20	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11H-Benzo[a]fluoren-11-one	ug/kg	100			-	338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1-Methyldibenzothiophene	ug/kg	100			-	689	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)-	ug/kg	100			3917	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3,4:8,9-Dibenzopyrene	ug/kg				-	-	<10	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9,10-Anthracenedione	ug/kg	100		14000	-	467	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Anthracene, 1-methyl-	ug/kg	100			-	322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benz[a]anthracene, 7-methyl-	ug/kg	100			-	890	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	benzo(c)fluorene	mg/kg				-	-	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100			-	730	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(e)pyrene	ug/kg	100			-	2766	190	140	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[ghi]fluoranthene	ug/kg				-	-	30	30	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chrysene, 5-methyl-	ug/kg				-	-	<10	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo(a,i)pyrene	ug/kg				-	-	10	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg				-	-	<10	<10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fluoranthene, 2-methyl-	ug/kg	100			-	1068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-phenyl-	ug/kg	100			-	236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 2-methyl-	ug/kg	100			-	469	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 4-methyl-	ug/kg	100			-	830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenol, 2,6-dimethoxy-	ug/kg	100			2254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	30000	1100	<0.05	0.16	0.01	<0.01	0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	30000	920	<0.03	0.19	0.05	<0.03	0.01	<0.03	<0.03	0.11	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.16	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	Anthracene	mg/kg	0.04	150000	11000	<0.04	0.47	0.05	0.03	0.02	<0.04	<0.04	0.24	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.31	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Benz(a)anthracene	mg/kg	0.06	62	13	0.15	3.36	0.06	0.05	0.06	0.14	0.1	1.72	<0.06	0.23	0.1	0.11	<0.06	0.16	0.1	<0.06	<0.06	1.29	<0.06	<0.06	0.09	0.19	0.18	0.18	0.08
	Benzo(a) pyrene	mg/kg	0.04			0.13	2.87	0.09	0.07	0.09	0.12	0.12	2.14	<0.04	0.19	0.12	0.2	<0.04	0.19	0.1	0.06	0.05	1.44	0.08	0.08	0.11	0.2	0.2	0.21	0.08
	Benzo(b)fluoranthene	mg/kg	0.05	16	3.7	0.19	4.13	0.16	0.12	0.13	0.17	0.15	2.95	<0.05	0.28	0.16	0.27	<0.05	0.26	0.13	0.08	0.07	1.91	0.1	0.11	0.14	0.28	0.31	0.3	0.13
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			0.26	5.73	-	-	-	0.23	0.21	4.1	<0.07	0.39	0.22	0.38	<0.07	0.36	0.18	0.11	0.1	2.65	0.14	0.15	0.2	0.39	0.43	0.41	0.18
	Benzo(g,h,i)perylene	mg/kg	0.04	1600	350	0.11	2.09	0.13	0.11	0.12	0.12	0.1	1.46	<0.04	0.21	0.12	0.2	<0.04	0.19	0.1	0.06	0.05	0.97	0.08	0.07	0.09	0.17	0.18	0.17	0.08
	Benzo(k)fluoranthene	mg/kg	0.02	440	100	0.07	1.6	0.05	<0.01	0.05	0.06	0.06	1.15	<0.02	0.11	0.06	0.11	<0.02	0.1	0.05	0.03	0.03	0.74	0.04	0.04	0.06	0.11	0.12	0.11	0.05
	Chrysene	mg/kg	0.02	120	27	0.09	2.55	0.08	0.05	0.06	0.09	0.1	2.25	<0.02	0.18	0.1	0.11	<0.02	0.16	0.08	0.05	0.04	1.42	0.06	0.07	0.08	0.19	0.2	0.2	0.06
	Coronene	mg/kg	0.04			<0.04	0.47	0.03	0.04	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04	1.4	0.3	<0.04	0.39	0.02	0.02	0.02	<0.04	<0.04	0.43	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.19	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Fluoranthene	mg/kg	0.03	6400	890	0.14	5.64	0.14	0.1	0.12	0.15	0.1	2.81	<0.03	0.28	0.13	0.09	<0.03	0.2	0.12	0.05	<0.03	2.62	0.06	0.05	0.09	0.27	0.31	0.31	0.06
	Fluorene	mg/kg	0.04	20000	860	<0.04	0.13	0.01	<0.01	0.01	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	180	41	0.1	1.94	0.12	0.1	0.1	0.11	0.08	1.43	<0.04	0.19	0.1	0.18	<0.04	0.17	0.1	0.06	0.05	0.99	<0.04	<0.04	0.08	0.16	0.17	0.16	0.08
	Naphthalene	mg/kg	0.04	3000	13	<0.04	0.12	<0.15	0.03	0.03	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	6300	440	0.05	2.58	0.08	0.05	0.06	0.05	<0.03	0.97	<0.03	0.09	<0.03	<0.03	<0.03	0.07	<0.03	<0.03	<0.03	1.26	<0.03	<0.03	<0.03	0.12	0.08	0.08	<0.03
	Pyrene	mg/kg	0.03	15000	2000	0.11	5.17	0.11	0.09	0.1	0.14	0.1	2.49	<0.03	0.23	0.12	0.09	<0.03	0.19	0.1	0.04	<0.03	2.26	0.06	0.05	0.08	0.23	0.26	0.27	0.05
	PAH 16 Total	mg/kg	0.6			1.1	33.4	-	-	-	1.2	0.9	20.2	<0.6	2	1	1.4	<0.6	1.7	0.9	<0.6	<0.6	15.6	<0.6	<0.6	0.8	1.9	2	2	0.7
	PAH 17 Total	mg/kg	0.64			1.14	33.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Lower	mg/kg				-	-	0.4	0.29	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg				-	-	0.4	0.29	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(j)fluoranthene	mg/kg			0.42	-	-	0.07	0.06	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 52	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 101	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 118	ug/kg	5		120	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 138	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 153	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 180	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35		200	<35	<35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	5		38	0.0124	0.0813	-	-	-	0.0153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0151	0.0168	0.00684

					Monitoring_Zone	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden
					Location_Code	GTCS 1-29	GTCS 1-30	GTCS2-P013_SOIL	GTCS2-P014_SOIL	GTCS2-P017_SOIL	GTCS2-S141A	GTCS2-S142A	GTCS2-S142A	GTCS2-S142A	GTCS2-S143A	GTCS2-S144A	GTCS2-S144A	GTCS2-S144A	GTCS2-S145A	GTCS2-S146A	GTCS2-S146A	GTCS2-S146A	GTCS2-S147A	GTCS2-S148A	GTCS2-S148A	GTCS2-S148A	GTCS2-S149A	GTCS2-S150A	GTCS2-S150A	GTCS2-S150A
					Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.02	0-0.05	0-0.2	0.3-0.4	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.4-0.5	0-0.2	0-0.02	0-0.2	0.5-0.6	0-0.2	0-0.02	0-0.2	0.5-0.6
					Sampled_Date_Time	06/06/2019	06/06/2019	24/09/2020	24/09/2020	30/09/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020
				GAC_HH_POS_PRK_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																									
Chem_Group	ChemName	output unit	EQL																											
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	5		12	0.000687	0.00354	-	-	-	0.00101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000474	0.000783	0.000224
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	5		120	0.117	0.355	-	-	-	0.157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.148	0.154	0.0667
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	5		120	0.00345	0.00728	-	-	-	0.00383	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00555	0.00478	0.00282
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	5		120	0.404	0.405				0.406	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.407	0.408	0.409
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	5		120	0.00706	0.0244	-	-	-	0.00288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00261	0.00381	0.00349
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	5		0.036	<0.000476	0.0174	-	-	-	0.00224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00383	0.00283	0.00128
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	5		120	0.0559	0.21	-	-	-	0.0589	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0649	0.0631	0.0311
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	5		120	0.0106	0.0603	-	-	-	0.0139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.016	0.0159	0.00775
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	5		120	0.0207	0.114	-	-	-	0.0237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0267	0.0257	0.0128
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	5		0.12	0.000158	0.00241	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000202	<DL	0.00013
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	5		130	0.00564	0.0561	-	-	-	0.00596	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00652	0.00576	0.0036
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			<0.196	13	-	-	-	3.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.32	2	2.92
	12378-PeCDD	ng/kg	Variable			<0.113	16.2	-	-	-	0.755	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	123478-HxCDD	ng/kg	Variable			0.593	25.2	-	-	-	0.661	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.554	<DL	<DL
	123678-HxCDD	ng/kg	Variable			1.84	43	-	-	-	1.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.38	1.58	0.526
	123789 HxCDD	ng/kg	Variable			0.994	40.3	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.89	0.613	<DL
	1234678-HpCDD	ng/kg	Variable			91.9	1040	-	-	-	70.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80.2	79.2	67.8
	OCDD	ng/kg	Variable			774	8750	-	-	-	559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	626	599	531
	TEQ(1) (NATO)	ng/kg	Variable			2.87	55.5	-	-	-	3.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.71	2.88	2.43
	TEQ(2) (NATO)	ng/kg	Variable			2.58	54.6	-	-	-	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.18	2.02	1.99
	OCDF	ng/kg	Variable			31.1	1040	-	-	-	22.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.8	20.9	14.3
	2378-TCDD	ng/kg	Variable			<0.132	<0.846	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	12378-PeCDF	ng/kg	Variable			<0.132	9.81	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	23478-PeCDF	ng/kg	Variable			<0.111	11.7	-	-	-	0.751	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.998	<DL	0.535
	123478-HxCDF	ng/kg	Variable			0.998	14.1	-	-	-	0.821	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.669	0.514	<DL
	123678-HxCDF	ng/kg	Variable			1.01	13.2	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	234678-HxCDF	ng/kg	Variable			1.26	18.2	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	<DL	0.513
	123789-HxCDF	ng/kg	Variable			<0.144	2.02	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	1234678-HpCDF	ng/kg	Variable			18	275	-	-	-	13.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.9	13.5	10.2
	1234789-HpCDF	ng/kg	Variable			0.744	34	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.369	<DL	0.322
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<0.76	<0.78	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	12378-PBDD	ng/kg	Variable			<0.81	<0.81	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	123478-HxBDD	ng/kg	Variable			<0.79	<0.8	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	123678-HxBDD	ng/kg	Variable			<0.7	<0.78	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	123789-HxBDD	ng/kg	Variable			<0.75	<0.79	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	1234678-HpBDD	ng/kg	Variable			<0.74	2.56	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	OBDD	ng/kg	Variable			<0.78	<0.78	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	2378-TBDF	ng/kg	Variable			1.29	16.89	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	0.7	0.8
	12378-PBDF	ng/kg	Variable			0.92	12.29	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	23478-PBDF	ng/kg	Variable			<0.77	5.91	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	<DL	0.5
	123478-HxBDF	ng/kg	Variable			0.71	6.88	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	0.5	<DL
	123678-HxBDF	ng/kg	Variable			<0.8	5.4	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	234678-HxBDF	ng/kg	Variable			<0.84	3.15	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	123789-HxBDF	ng/kg	Variable			<0.8	1.88	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	1234678-HpBDF	ng/kg	Variable			<0.8	5.03	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	1234789-HpBDF	ng/kg	Variable			0.82	1.22	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
	OBDF	ng/kg	Variable			<0.84	0.9	-	-	-	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL
Organophosphorous flame retardants	Triphenylphosphate	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg			630	<0.2	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(2-ethylhexyl) phosphate	mg/kg			170	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg			6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg			6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg			13	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			<500	<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	<0.5	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	2.9	<0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				less than 0.1%	less than 0.1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None				Fibre Bundles	Fibre Bundles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				Chrysotile	Chrysotile	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				soil-stones	soil-stones	-	-	-	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stones	Soil/Stone	Soil/Stone	soil.stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	Soil/Stones
	Potentially Respirable Fibres per gram	None	0			0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Level Screen	None				-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-
SVF / MMMF	Synthetic/MMMF	None				1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			5.84	6.15	-	-	-	9.04	-	-	-	-	-	-	-	-	-	-	-	9.96	-	-	-	-	7.37	5.63	3.39
Inorganics	pH (Lab)	pH units	0.01			7.53	7.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			27.7	17.6	-	-	-	54.1	65.3	39.1	27.8	75.3	46.5	51.1	31.5	44.8	67.8	20.8	26.9	61.6	55.1	65.5	31.8	44.7	53.6	41.2	25.6
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		21	5	0.13	2.87	0.08	0.06	0.07	0.12	0.12	2.14	0	0.19	0.12	0.2	0	0.19	0.1	0.06	0.05	1.44	0.08	0.08	0.11	0.2	0.2	0.21	0.08
	Xylene Total	ug/kg		31000000	310000	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				2.273	60.851	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	1565.484	12,793	-	-	-	1370.168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1463.876	1423.67	1178.27
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	0.02	0.6	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	0.02	0.02

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

				Monitoring_Zone	16. St Charles Centre for Health and Wellbeing	16. St Charles Centre for Health and Wellbeing	16. St Charles Centre for Health and Wellbeing	16. St Charles Centre for Health and Wellbeing	16. St Charles Centre for Health and Wellbeing	16. St Charles Centre for Health and Wellbeing	16. St Charles Centre for Health and Wellbeing
				Location_Code	GTCS2-P022_SOIL	GTCS2-P023_SOIL	GTCS2-S151A	GTCS2-S152A	GTCS2-S153A	GTCS2-S154A	GTCS2-S155A
				Sample_Depth_Range	0.2	0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
				Sampled_Date_Time	29/09/2020	29/09/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020
				GAC_HH_RES+PL_SLOAM_>3.48%TOC							
Chem_Group	**ChemName**	**output unit**	**EQL**								
Metals	Lead	mg/kg	5	200	42	48	77	56	51	55	56
	Antimony	mg/kg	1	198	-	-	2	-	-	-	-
SVOCs	Dibenzo[a,e]pyrene	ug/kg		42	30	30	-	-	-	-	-
SVOC TIC	1,2,9,10-Dibenzopyrene	ug/kg			20	20	-	-	-	-	-
	3,4:8,9-Dibenzopyrene	ug/kg			<10	<10	-	-	-	-	-
	benzo(c)fluorene	mg/kg			<0.01	<0.01	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg			10	20	-	-	-	-	-
	Benzo(e)pyrene	ug/kg			190	190	-	-	-	-	-
	Benzo[ghi]fluoranthene	ug/kg			30	30	-	-	-	-	-
	Chrysene, 5-methyl-	ug/kg			<10	<10	-	-	-	-	-
	Dibenzo(a,i)pyrene	ug/kg			10	10	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg			10	20	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	1100	<0.01	0.01	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	920	0.02	0.02	0.25	<0.03	<0.03	0.07	<0.03
	Anthracene	mg/kg	0.04	11000	0.03	0.03	0.46	<0.04	<0.04	0.06	<0.04
	Benz[a]anthracene	mg/kg	0.06	13	0.05	0.12	1.01	0.19	<0.06	0.12	<0.06
	Benzo(a) pyrene	mg/kg	0.04		0.1	0.17	0.91	0.19	0.13	0.69	0.1
	Benzo(b)fluoranthene	mg/kg	0.05	3.7	0.15	0.17	1.22	0.27	0.18	0.86	0.18
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		-	-	1.69	0.38	0.25	1.19	0.25
	Benzo(g,h,i)perylene	mg/kg	0.04	350	0.13	0.14	0.63	0.17	0.13	0.97	0.15
	Benzo(k)fluoranthene	mg/kg	0.02	100	0.05	0.09	0.47	0.11	0.07	0.33	0.07
	Chrysene	mg/kg	0.02	27	0.06	0.11	0.88	0.17	0.09	0.13	0.09
	Coronene	mg/kg			0.03	0.04	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04	0.3	0.03	0.03	0.13	<0.04	<0.04	0.19	<0.04
	Fluoranthene	mg/kg	0.03	890	0.1	0.19	2.42	0.31	0.13	0.09	0.1
	Fluorene	mg/kg	0.04	860	0.01	0.01	0.07	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	41	0.13	0.15	0.7	0.17	0.15	1.02	0.13
	Naphthalene	mg/kg	0.04	13	0.08	0.08	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	440	0.06	0.07	1.02	0.1	<0.03	<0.03	<0.03
	Pyrene	mg/kg	0.03	2000	0.08	0.17	1.88	0.27	0.13	0.07	0.09
	PAH 16 Total	mg/kg	0.6		-	-	12.1	2	1	4.6	0.9
	PAH 4 SUM Lower	mg/kg			0.37	0.57	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg			0.37	0.57	-	-	-	-	-
	Benzo(j)fluoranthene	mg/kg		0.42	0.06	0.1	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Various	38	-	-	0.018	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Various	12	-	-	0.000459	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Various	120	-	-	0.123	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Various	120	-	-	0.00509	-	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Various	120	-	-	0.41	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Various	120	-	-	0.00333	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Various	0.036	-	-	0.000932	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Various	120	-	-	0.0665	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Various	120	-	-	0.0147	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Various	120	-	-	0.0279	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Various	0.12	-	-	<DL	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Various	130	-	-	0.00861	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Various		-	-	<DL	-	-	-	-
	12378-PeCDD	ng/kg	Various		-	-	<DL	-	-	-	-
	123478-HxCDD	ng/kg	Various		-	-	<DL	-	-	-	-
	123678-HxCDD	ng/kg	Various		-	-	3.51	-	-	-	-
	123789 HxCDD	ng/kg	Various		-	-	1.88	-	-	-	-
	1234678-HpCDD	ng/kg	Various		-	-	198	-	-	-	-
	OCDD	ng/kg	Various		-	-	1200	-	-	-	-
	TEQ(1) (NATO)	ng/kg	Various		-	-	4.63	-	-	-	-
	TEQ(2) (NATO)	ng/kg	Various		-	-	4.09	-	-	-	-
	OCDF	ng/kg	Various		-	-	37	-	-	-	-
	2378-TCDD	ng/kg	Various		-	-	<DL	-	-	-	-
	12378-PeCDF	ng/kg	Various		-	-	<DL	-	-	-	-
	23478-PeCDF	ng/kg	Various		-	-	<DL	-	-	-	-
	123478-HxCDF	ng/kg	Various		-	-	0.833	-	-	-	-
	123678-HxCDF	ng/kg	Various		-	-	0.581	-	-	-	-
	234678-HxCDF	ng/kg	Various		-	-	<DL	-	-	-	-
	123789-HxCDF	ng/kg	Various		-	-	<DL	-	-	-	-
	1234678-HpCDF	ng/kg	Various		-	-	18.3	-	-	-	-
	1234789-HpCDF	ng/kg	Various		-	-	0.773	-	-	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Various		-	-	<DL	-	-	-	-
	12378-PBDD	ng/kg	Various		-	-	<DL	-	-	-	-
	123478-HxBDD	ng/kg	Various		-	-	<DL	-	-	-	-
	123678-HxBDD	ng/kg	Various		-	-	<DL	-	-	-	-
	123789-HxBDD	ng/kg	Various		-	-	<DL	-	-	-	-
	1234678-HpBDD	ng/kg	Various		-	-	<DL	-	-	-	-
	OBDD	ng/kg	Various		-	-	<DL	-	-	-	-
	2378-TBDF	ng/kg	Various		-	-	0.5	-	-	-	-
	12378-PBDF	ng/kg	Various		-	-	<DL	-	-	-	-
	23478-PBDF	ng/kg	Various		-	-	0.7	-	-	-	-
	123478-HxBDF	ng/kg	Various		-	-	<DL	-	-	-	-
	123678-HxBDF	ng/kg	Various		-	-	<DL	-	-	-	-
	234678-HxBDF	ng/kg	Various		-	-	<DL	-	-	-	-
	123789-HxBDF	ng/kg	Various		-	-	<DL	-	-	-	-
	1234678-HpBDF	ng/kg	Various		-	-	<DL	-	-	-	-
	1234789-HpBDF	ng/kg	Various		-	-	<DL	-	-	-	-
	OBDF	ng/kg	Various		-	-	<DL	-	-	-	-
Asbestos	Asbestos Containing Material	None			-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None			-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			-	-	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
	Asbestos Level Screen	None			-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02		-	-	5.82	9.3	-	-	-
Other	Natural Moisture Content	percent	0.1		-	-	40	71.4	81.3	46.4	48.7
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		5	0.07	0.11	0.91	0.19	0.13	0.69	0.1
	Sum of PCDD/F +PCB12	ng/kg	Various	8,700	-	-	2148.118	-	-	-	-
AECOM Calculated	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	-	-	0.03	-	-	-	-

GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

				Monitoring_Zone	17. Equal People	17. Equal People	17. Equal People	17. Equal People	17. Equal People	17. Equal People
				Location_Code	GTCS2-P019_SOIL	GTCS2-S156A	GTCS2-S157A	GTCS2-S158A	GTCS2-S159A	GTCS2-S160A
				Sample_Depth_Range	0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
				Sampled_Date_Time	29/09/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020
				GAC_HH_RES+PL_SLOAM_>3.48%TOC						
Chem_Group	**ChemName**	**output unit**	**EQL**							
Metals	Lead	mg/kg	5	200	88	87	137	133	90	172
	Antimony	mg/kg	1	198	-	2	-	-	-	-
SVOCs	Dibenzo[a,e]pyrene	ug/kg		42	60	-	-	-	-	-
SVOC TIC	1,2,9,10-Dibenzopyrene	ug/kg			40	-	-	-	-	-
	3,4:8,9-Dibenzopyrene	ug/kg			<10	-	-	-	-	-
	benzo(c)fluorene	mg/kg			<0.01	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg			20	-	-	-	-	-
	Benzo(e)pyrene	ug/kg			350	-	-	-	-	-
	Benzo[ghi]fluoranthene	ug/kg			50	-	-	-	-	-
	Chrysene, 5-methyl-	ug/kg			<10	-	-	-	-	-
	Dibenzo(a,l)pyrene	ug/kg			20	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg			20	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	1100	0.01	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	920	0.06	<0.03	<0.03	<0.03	<0.03	<0.03
	Anthracene	mg/kg	0.04	11000	0.07	<0.04	<0.04	<0.04	<0.04	<0.04
	Benz(a)anthracene	mg/kg	0.06	13	0.13	0.13	0.09	0.13	0.13	0.18
	Benzo(a) pyrene	mg/kg	0.04		0.21	0.18	0.09	0.13	0.11	0.21
	Benzo(b)fluoranthene	mg/kg	0.05	3.7	0.27	0.22	0.12	0.16	0.14	0.3
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		-	0.3	0.16	0.22	0.19	0.41
	Benzo(g,h,i)perylene	mg/kg	0.04	350	0.24	0.17	0.09	0.11	0.11	0.2
	Benzo(k)fluoranthene	mg/kg	0.02	100	0.11	0.08	0.04	0.06	0.05	0.11
	Chrysene	mg/kg	0.02	27	0.14	0.12	0.07	0.09	0.08	0.16
	Coronene	mg/kg			0.07	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04	0.3	0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Fluoranthene	mg/kg	0.03	890	0.25	0.17	0.07	0.14	0.11	0.18
	Fluorene	mg/kg	0.04	860	0.02	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	41	0.21	0.15	0.07	0.09	0.11	0.18
	Naphthalene	mg/kg	0.04	13	0.13	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	440	0.14	0.07	<0.03	<0.03	<0.03	<0.03
	Pyrene	mg/kg	0.03	2000	0.19	0.15	0.07	0.13	0.08	0.16
	PAH 16 Total	mg/kg	0.6		-	1.4	0.7	1	0.9	1.7
	PAH 4 SUM Lower	mg/kg			0.75	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg			0.75	-	-	-	-	-
	Benzo(j)fluoranthene	mg/kg		0.42	0.13	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable	38	-	0.0118	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable	12	-	0.000497	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable	120	-	0.119	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable	120	-	0.00476	-	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable	120	-	0.411	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable	120	-	0.00518	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable	0.036	-	0.00376	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable	120	-	0.075	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable	120	-	0.0191	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable	120	-	0.031	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable	0.12	-	<DL	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable	130	-	0.00954	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		-	<DL	-	-	-	-
	12378-PeCDD	ng/kg	Variable		-	<DL	-	-	-	-
	123478-HxCDD	ng/kg	Variable		-	0.802	-	-	-	-
	123678-HxCDD	ng/kg	Variable		-	3.05	-	-	-	-
	123789 HxCDD	ng/kg	Variable		-	2.48	-	-	-	-
	1234678-HpCDD	ng/kg	Variable		-	124	-	-	-	-
	OCDD	ng/kg	Variable		-	911	-	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable		-	4.25	-	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable		-	3.93	-	-	-	-
	OCDF	ng/kg	Variable		-	46.1	-	-	-	-
	2378-TCDD	ng/kg	Variable		-	<DL	-	-	-	-
	12378-PeCDF	ng/kg	Variable		-	<DL	-	-	-	-
	23478-PeCDF	ng/kg	Variable		-	0.695	-	-	-	-
	123478-HxCDF	ng/kg	Variable		-	1.76	-	-	-	-
	123678-HxCDF	ng/kg	Variable		-	1.6	-	-	-	-
	234678-HxCDF	ng/kg	Variable		-	1.78	-	-	-	-
	123789-HxCDF	ng/kg	Variable		-	<DL	-	-	-	-
	1234678-HpCDF	ng/kg	Variable		-	22.3	-	-	-	-
	1234789-HpCDF	ng/kg	Variable		-	0.951	-	-	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		-	<DL	-	-	-	-
	12378-PBDD	ng/kg	Variable		-	<DL	-	-	-	-
	123478-HxBDD	ng/kg	Variable		-	<DL	-	-	-	-
	123678-HxBDD	ng/kg	Variable		-	<DL	-	-	-	-
	123789-HxBDD	ng/kg	Variable		-	<DL	-	-	-	-
	1234678-HpBDD	ng/kg	Variable		-	<DL	-	-	-	-
	OBDD	ng/kg	Variable		-	<DL	-	-	-	-
	2378-TBDF	ng/kg	Variable		-	<DL	-	-	-	-
	12378-PBDF	ng/kg	Variable		-	<DL	-	-	-	-
	23478-PBDF	ng/kg	Variable		-	<DL	-	-	-	-
	123478-HxBDF	ng/kg	Variable		-	<DL	-	-	-	-
	123678-HxBDF	ng/kg	Variable		-	<DL	-	-	-	-
	234678-HxBDF	ng/kg	Variable		-	<DL	-	-	-	-
	123789-HxBDF	ng/kg	Variable		-	<DL	-	-	-	-
	1234678-HpBDF	ng/kg	Variable		-	<DL	-	-	-	-
	1234789-HpBDF	ng/kg	Variable		-	<DL	-	-	-	-
	OBDF	ng/kg	Variable		-	<DL				
Asbestos	Asbestos Containing Material	None			-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None			-	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			-	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			-	Soil/Stones	soil.stones	soil.stones	soil.stones	soil.stones
	Asbestos Level Screen	None			-	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001		-	-	-	<0.001	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001		-	-	-	<0.001	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001		-	-	-	<0.001	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001		-	-	-	<0.001	-	-
	Asbestos Quantification - Total - %	mass %	0.001		-	-	-	<0.001	-	-
Total Organic Carbon	TOC	percent	0.02		-	10.24	6.03	-	-	-
Other	Natural Moisture Content	percent	0.1		-	65.4	47.5	79.7	111.2	62.7
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		5	0.11	0.18	0.09	0.13	0.11	0.21
	Sum of PCDD/F +PCB12	ng/kg	Various	8,700	-	1815.335	-	-	-	-
AECOM Calculated	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	-	0.03	-	-	-	-

Comments

GAC: Generic Assessment Criteria

(blank): No assessment criteria available

- : Not analysed

HH: Human Health

Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_PRK_SLOAM_>3.48%TOC	GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC	GTCS 1-17	GTCS 1-18	GTCS2-P025_SOIL	GTCS2-P029_SOIL	GTCS2-P030_SOIL	GTCS2-S161A	GTCS2-S162A	GTCS2-S163A	GTCS2-S164A	GTCS2-S165A	GTCS2-S166A	GTCS2-S167A	GTCS2-S168A	GTCS2-S169A	GTCS2-S170A
	Monitoring_Zone						18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House	18. Portland Road Community Kitchen Garden and Nottingwood House
	Sample_Depth_Range						0-0.05	0-0.05	0.2	0.2	0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	Sampled_Date_Time						05/06/2019	05/06/2019	28/09/2020	29/09/2020	29/09/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020
BARGE	Lead – total (BARGE method)	mg/kg	5				-	-	-	-	-	-	-	-	-	548	2553	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5				-	-	-	-	-	-	-	-	-	364	1556	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5				-	-	-	-	-	-	-	-	-	144	240	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0				-	-	-	-	-	-	-	-	-	66	61	-	-	-	-
VOC TIC	VOC TICs	None					<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals	Aluminium	mg/kg	50			77000	9583	18,258	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.5	170	79	37	27	47.4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	1			460	272	991	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.5	63	2.2	1.7	2.1	4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Boron	mg/kg	0.1	46000	21000	290	1.8	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.1	880	220	22	0.9	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (Trivalent)	mg/kg	0.5	33000	1500	910	-	59.9	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	250	21	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5	33000	1500	910	80.9	59.9	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1	44000	12000	2400	183	518	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	5	1300	630	200	492	1785	68	48	50	49	58	51	53	455	1527	325	83	34	30
	Mercury	mg/kg	0.1	240	120	23|40	0.4	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	0.7	800	230	130	38.4	62.6	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	1	1800	1100	250	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	1	5000	2000	410	66	95	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	5	170000	81000	3700	339	1092	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	1			198	-	-	-	-	-	-	2	-	-	-	19	-	-	-	-
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	2100000	1400000	6400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5	100000000	140000000	39000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3	2300000	1400000	7500	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4			2700	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethane	ug/kg	6			7400	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethene	ug/kg	6			820	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloropropene	ug/kg	3				<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7	1600000	1800000	8600	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4			5.1	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6			2000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4			5.3	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromoethane	ug/kg	3			36	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloroethane	ug/kg	5	28000	29000	19	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloropropane	ug/kg	4			84	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3			270000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichloropropane	ug/kg	4			1600000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2-dichloropropane	ug/kg	4				<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorotoluene	ug/kg	3			1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorotoluene	ug/kg	3			1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene	ug/kg	5	230,000	140,000	870	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromobenzene	ug/kg	2			4700	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromochloromethane	ug/kg	4			150000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromodichloromethane	ug/kg	4			290	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromoform	ug/kg	4			13000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromomethane	ug/kg	1			6800	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	ug/kg	4	400000	950000	130	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorobenzene	ug/kg	4	2900000	14000000	2400	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorodibromomethane	ug/kg	5			8300	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroethane	ug/kg	6			18000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	ug/kg	5	3100000	2500000	3400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloromethane	ug/kg	3			13	9	26	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7			370	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4				<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibromomethane	ug/kg	4			24000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2			87000	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichloromethane	ug/kg	30			1700	<30	<30	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethylbenzene	ug/kg	3	27000000	25000000	260000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isopropylbenzene	ug/kg	3			64000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	MTBE	ug/kg	6			160000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-butylbenzene	ug/kg	4			3900000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-propylbenzene	ug/kg	4			190000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	sec-butylbenzene	ug/kg	4			7800000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Styrene	ug/kg	3			43000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	tert-butylbenzene	ug/kg	5			7800000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethene	ug/kg	3	1500000	1400000	900	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Toluene	ug/kg	3	100000000	56000000	660000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3			700	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3				<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethene	ug/kg	5	120000	120000	75	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	ug/kg	3			23000000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (m & p)	ug/kg	4				<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (o)	ug/kg	4	33000000	43000000	330000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vinyl chloride	ug/kg	2	5400	3500	1.4	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon disulfide	mg/kg	0.003	2700	11000	0.62	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs	Dibenzo[a,e]pyrene	ug/kg				42	-	-	40	40	30	-	-	-	-	-	-	-	-	-	-
	2-methylnaphthalene	ug/kg	10			240000	22	74	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10				<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10				<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Azobenzene	ug/kg	10			5600	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10			190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10			230	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbazole	ug/kg	10				25	53	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzofuran	ug/kg	10			78000	21	38	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobutadiene	ug/kg	4	51000	25000	1600	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10			1800	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachloroethane	ug/kg	10			1100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10			630000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-nitroaniline	ug/kg	10				<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloroaniline	ug/kg	10			2700	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitroaniline	ug/kg	10			27000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10			78	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10			7200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10			3900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nitrobenzene	ug/kg	10			5100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10			97000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chloronaphthalene	ug/kg	10			22000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylphenol	ug/kg	10			400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-nitrophenol	ug/kg	10				<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloro-3-methylphenol	ug/kg	10			6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-methylphenol	ug/kg	10			400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitrophenol	ug/kg	10				<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenol	ug/kg	10	1300000	1300000	380000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10			6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10			49000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-dichlorophenol	ug/kg	10			190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorophenol	ug/kg	10			390000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorophenol	ug/kg	10	120000	60000	1200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	4000000	19000000	15000	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4	51000000	98000000	130000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4	470000	300000	2300	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4	36000000	17000000	350000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobenzene	ug/kg	10	30000	16000	4900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100			1100000	587	567	-	-	-	-	-	-	-	-	-	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100			7200000	135	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diethylphthalate	ug/kg	100			570000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dimethyl phthalate	ug/kg	100			16400	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100			67000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100			3100000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10			570000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC TIC	1,2,9,10-Dibenzopyrene	ug/kg					-	-	30	30	20	-	-	-	-	-	-	-	-	-	-
	3,4:8,9-Dibenzopyrene	ug/kg					-	-	<10	<10	<10	-	-	-	-	-	-	-	-	-	-
	benzo(c)fluorene	mg/kg					-	-	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg					-	-	20	20	20	-	-	-	-	-	-	-	-	-	-
	Benzo(e)pyrene	ug/kg	100				1150	235	260	240	220	-	-	-	-	-	-	-	-	-	-
	Benzo[ghi]fluoranthene	ug/kg					-	-	30	40	30	-	-	-	-	-	-	-	-	-	-
	Chrysene, 5-methyl-	ug/kg					-	-	<10	<10	<10	-	-	-	-	-	-	-	-	-	-
	Dibenzo(a,i)pyrene	ug/kg					-	-	20	20	20	-	-	-	-	-	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg					-	-	20	20	20	-	-	-	-	-	-	-	-	-	-
	Ferruginol	ug/kg	100				367	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Heptadecane	ug/kg	100				-	205	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4				<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1-methyl-	ug/kg	100				246	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	30000	15000	1100	<0.05	<0.05	0.01	0.01	0.01	<0.05	<0.05	<0.05	<0.05	0.39	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	30000	15000	920	0.13	0.24	0.04	0.05	0.03	<0.03	<0.03	<0.03	<0.03	0.55	0.27	0.22	0.1	<0.03	<0.03
	Anthracene	mg/kg	0.04	150000	74000	11000	0.12	0.31	0.04	0.05	0.04	<0.04	<0.04	<0.04	<0.04	1.91	0.33	0.23	0.08	<0.04	<0.04
	Benz(a)anthracene	mg/kg	0.06	62	29	13	0.33	1.2	0.08	0.14	0.1	0.13	0.16	0.13	0.11	5.68	1.08	0.82	0.28	0.13	<0.06
	Benzo(a) pyrene	mg/kg	0.04				0.49	1.48	0.15	0.22	0.16	0.15	0.17	0.15	0.11	5.5	1.43	1.01	0.4	0.14	<0.04
	Benzo(b)fluoranthene	mg/kg	0.05	16	7.2	3.7	0.63	2.25	0.22	0.24	0.19	0.22	0.2	0.23	0.16	7.03	2.15	1.3	0.5	0.19	0.09
	Benzo(b)&(k)fluoranthene	mg/kg	0.07				0.88	3.12	-	-	-	0.3	0.28	0.32	0.22	9.76	2.98	1.81	0.7	0.27	0.12
	Benzo(g,h,i)perylene	mg/kg	0.04	1600	640	350	0.46	1.47	0.2	0.19	0.15	0.12	0.11	0.16	0.1	3.53	1.58	0.96	0.31	0.14	0.06
	Benzo(k)fluoranthene	mg/kg	0.02	440	190	100	0.25	0.87	0.09	0.11	0.08	0.08	0.08	0.09	0.06	2.73	0.83	0.51	0.2	0.08	0.03
	Chrysene	mg/kg	0.02	120	57	27	0.36	1.36	0.1	0.14	0.11	0.14	0.13	0.13	0.1	4.98	1.13	0.76	0.25	0.12	0.05
	Coronene	mg/kg	0.04				0.1	0.33	0.04	0.04	0.04	-	-	-	-	-	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04	1.4	0.58	0.3	0.1	0.33	0.04	0.04	0.03	<0.04	<0.04	<0.04	<0.04	0.53	0.29	0.19	0.06	<0.04	<0.04
	Fluoranthene	mg/kg	0.03	6400	3100	890	0.46	1.72	0.15	0.23	0.22	0.15	0.11	0.16	0.13	11.82	1.58	1.02	0.22	0.18	<0.03
	Fluorene	mg/kg	0.04	20000	9900	860	<0.04	<0.04	0.01	0.01	0.01	<0.04	<0.04	<0.04	<0.04	0.34	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	180	82	41	0.42	1.32	0.22	0.2	0.14	0.13	0.13	0.18	0.1	4.04	1.67	0.92	0.36	0.14	0.06
	Naphthalene	mg/kg	0.04	3000	4900	13	<0.04	0.07	0.05	0.07	0.05	<0.04	<0.04	<0.04	<0.04	0.12	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	6300	3100	440	0.16	0.68	0.06	0.05	0.07	0.06	<0.03	0.04	0.04	5.58	0.58	0.35	0.06	0.08	<0.03
	Pyrene	mg/kg	0.03	15000	7400	2000	0.43	1.72	0.14	0.19	0.2	0.14	0.11	0.15	0.11	9.59	1.4	0.95	0.22	0.16	<0.03
	PAH 16 Total	mg/kg	0.6				4.3	15	-	-	-	1.3	1.2	1.4	1	64.3	14.3	9.2	3	1.4	<0.6
	PAH 17 Total	mg/kg	0.64				4.44	15.35	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Lower	mg/kg					-	-	0.55	0.74	0.56	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg					-	-	0.55	0.74	0.56	-	-	-	-	-	-	-	-	-	-
	Benzo(j)fluoranthene	mg/kg				0.42	-	-	0.1	0.13	0.1	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 52	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 101	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 118	ug/kg	5			120	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 138	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 153	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 180	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35			200	<35	<35	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	5			38	0.0392	0.0916	-	-	-	-	0.0161	-	-	-	0.0427	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	5			12	0.00219	0.0113	-	-	-	-	0.0007	-	-	-	0.00507	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	5			120	0.295	0.701	-	-	-	-	0.0949	-	-	-	0.232	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	5			120	0.00305	0.0256	-	-	-	-	0.00396	-	-	-	0.00679	-	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	5			120	0.412	0.413				-	0.414	-	-	-	0.415	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	5			120	0.0217	0.046	-	-	-	-	0.00231	-	-	-	0.0036	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	5			0.036	0.0132	0.0387	-	-	-	-	0.00212	-	-	-	0.0225	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	5			120	0.153	0.391	-	-	-	-	0.0408	-	-	-	0.146	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	5			120	0.0346	0.0895	-	-	-	-	0.0101	-	-	-	0.0499	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	5			120	0.0658	0.153	-	-	-	-	0.0173	-	-	-	0.0686	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	5			0.12	0.00214	0.00684	-	-	-	-	<DL	-	-	-	0.00695	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	5			130	0.0164	0.0418	-	-	-	-	0.00562	-	-	-	0.0301	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable				3.11	26.5	-	-	-	-	0.999	-	-	-	14.1	-	-	-	-
	12378-PeCDD	ng/kg	Variable				1.27	9.44	-	-	-	-	<DL	-	-	-	8.19	-	-	-	-
	123478-HxCDD	ng/kg	Variable				0.898	7.06	-	-	-	-	0.607	-	-	-	6.58	-	-	-	-
	123678-HxCDD	ng/kg	Variable				3.68	13.7	-	-	-	-	2.08	-	-	-	10.9	-	-	-	-
	123789 HxCDD	ng/kg	Variable				2.69	11.8	-	-	-	-	0.98	-	-	-	7.52	-	-	-	-
	1234678-HpCDD	ng/kg	Variable				62.9	108	-	-	-	-	73.3	-	-	-	81.9	-	-	-	-
	OCDD	ng/kg	Variable				474	579	-	-	-	-	540	-	-	-	424	-	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable				9.24	41.8	-	-	-	-	2.55	-	-	-	32	-	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable				8.76	40.4	-	-	-	-	2.17	-	-	-	31.2	-	-	-	-

							Monitoring_Zone	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House	J18. Portland Road Community Kitchen Garden and Nottingwood House
							Location_Code	GTCS 1-17	GTCS 1-18	GTCS2-P025_SOIL	GTCS2-P029_SOIL	GTCS2-P030_SOIL	GTCS2-S161A	GTCS2-S162A	GTCS2-S163A	GTCS2-S164A	GTCS2-S165A	GTCS2-S166A	GTCS2-S167A	GTCS2-S168A	GTCS2-S169A	GTCS2-S170A
							Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
							Sampled_Date_Time	05/06/2019	05/06/2019	28/09/2020	29/09/2020	29/09/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020
					GAC_HH_POS_PRK_SLOAM_>3.48%TOC	GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																
Chem_Group	ChemName	output unit	SQL																			
	OCDF	ng/kg	Variable				73.7	107	-	-	-	-	29.6	-	-	-	62.6	-	-	-	-	
	2378-TCDD	ng/kg	Variable				<0.433	<1.426	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	12378-PeCDF	ng/kg	Variable				3.68	18.3	-	-	-	-	<DL	-	-	-	15.5	-	-	-	-	
	23478-PeCDF	ng/kg	Variable				6.6	33.4	-	-	-	-	<DL	-	-	-	28	-	-	-	-	
	123478-HxCDF	ng/kg	Variable				6.03	28.1	-	-	-	-	0.72	-	-	-	19.5	-	-	-	-	
	123678-HxCDF	ng/kg	Variable				5.18	23.2	-	-	-	-	0.847	-	-	-	16.6	-	-	-	-	
	234678-HxCDF	ng/kg	Variable				5.37	28.1	-	-	-	-	0.887	-	-	-	21.6	-	-	-	-	
	123789-HxCDF	ng/kg	Variable				<0.388	1.34	-	-	-	-	<DL	-	-	-	0.694	-	-	-	-	
	1234678-HpCDF	ng/kg	Variable				75.4	228	-	-	-	-	14.9	-	-	-	125	-	-	-	-	
	1234789-HpCDF	ng/kg	Variable				1.89	3.48	-	-	-	-	0.818	-	-	-	3.1	-	-	-	-	
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable				<0.75	<0.77	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	12378-PBDD	ng/kg	Variable				<0.8	<0.81	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	123478-HxBDD	ng/kg	Variable				<0.75	<0.76	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	123678-HxBDD	ng/kg	Variable				<0.72	<0.75	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	123789-HxBDD	ng/kg	Variable				<0.71	<0.7	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	1234678-HpBDD	ng/kg	Variable				<0.78	<0.8	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	OBDD	ng/kg	Variable				<0.78	<0.82	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	2378-TBDF	ng/kg	Variable				2.31	7.34	-	-	-	-	0.6	-	-	-	<DL	-	-	-	-	
	12378-PBDF	ng/kg	Variable				1.56	6.23	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	23478-PBDF	ng/kg	Variable				0.68	3.3	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	123478-HxBDF	ng/kg	Variable				1.5	2.72	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	123678-HxBDF	ng/kg	Variable				1.01	2.11	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	234678-HxBDF	ng/kg	Variable				<0.8	1.05	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	123789-HxBDF	ng/kg	Variable				<0.78	1.44	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	1234678-HpBDF	ng/kg	Variable				<0.76	<0.76	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	1234789-HpBDF	ng/kg	Variable				<0.82	<0.8	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
	OBDF	ng/kg	Variable				<0.84	<0.82	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-	
Organophosphorous flame retardants	Triphenylphosphate	mg/kg					<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tris(1-chloro-2-propyl)phosphate	mg/kg				630	<0.15	<0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tris(2-ethylhexyl) phosphate	mg/kg				170	0.77	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	
Brominated flame retardants (PBDEs)	2,2',4-tribromodiphenyl ether (BDE-17)	mg/kg					<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,4,4'-tribromodiphenyl ether (BDE-28)	mg/kg					<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2',4,4'-tetrabromodiphenyl ether (BDE-47)	mg/kg				6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,3',4,4'-tetrabromodiphenyl ether (BDE-66)	mg/kg					<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2',3,4,4'- pentabromodiphenyl ether (BDE-85)	mg/kg					<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2',4,4',5-pentabromodiphenyl ether (BDE-99)	mg/kg				6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	mg/kg					<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2',3,4,4',5'- hexabromodiphenyl ether(BDE-138)	mg/kg					<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2',4,4',5,5'- hexabromodiphenyl ether(BDE-153)	mg/kg				13	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2',4,4',5,6'- hexabromodiphenyl ether(BDE-154)	mg/kg					<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg					<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg					<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4,4-dibromobiphenyl (PBB 15)	mg/kg					<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg					<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	tetrabromobiphenyl (1,1,5,5-) (PBB 80)	mg/kg					<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hexabromobiphenyl (PBB 153)	mg/kg					<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg					<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hexabromocyclododecane (HBCDD)	Hexabromocyclododecane (HBCDD)	mg/kg					<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Isocyanates	Isocyanic Acid	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Methyl Isocyanate	ug/kg	250			4600	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Ethyl Isocyanate	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Propyl Isocyanate	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Phenyl Isocyanate	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hexamethylene diisocyanate	ug/kg	250			3100	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,4-Toluene Diisocyanate	ug/kg	250			6400	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,6-Toluenediisocyanate	ug/kg	250			5300	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Isophorone Diisocyanate	ug/kg	500				<500	<500	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250			850000000	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cyanides	Cyanide (Free)	mg/kg	0.5			20	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Cyanide Total	mg/kg	0.5			23	1	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Thiocyanate	mg/kg	0.6			20	1.6	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Asbestos	Asbestos Level	None					No Asbestos Detected	less than 0.1%	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Asbestos Containing Material	None					No Asbestos Detected	No Asbestos Detected	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Containing Material (2)	None					-	-	-	-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos fibres	None					No Asbestos Detected	Fibre Bundles	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Asbestos Fibres (2)	None					-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (3)	None					-	-	-	-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None					No Asbestos Detected	Chrysotile	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Crocidolite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type 2	None					-	-	-	-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None					soil.stones	soil.stones	-	-	-	-	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone
	Potentially Respirable Fibres per gram	None	0				-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Asbestos Level Screen	None					-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Asbestos level cannot be	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001				-	<0.001	-	-	-	-	-	-	-	-	-	0.009	-	-	-	
	Asbestos PCOM Quantification (Fibres)	mass %	0.001				-	<0.001	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001				-	<0.001	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001				-	<0.001	-	-	-	-	-	-	-	-	-	0.009	-	-	-	
	Asbestos Quantification - Total - %	mass %	0.001				-	<0.001	-	-	-	-	-	-	-	-	-	0.009	-	-	-	
SVF / MMMF	Synthetic/MMMF	None					0	1	-	-	-	-	-	-	-	-	-	0	-	-	-	
Total Organic Carbon	TOC	percent	0.02				4.93	8.83	-	-	-	-	5.99	5.6	-	-	-	7.5	-	-	-	
Inorganics	pH (Lab)	pH units	0.01				7.74	7.73	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other	Natural Moisture Content	percent	0.1				15.5	23.7	-	-	-	-	28.7	41.3	34.8	12.3	35.2	28.1	20	29	30.5	28.1
EtAst Calculated	Benzo(b)pyrene (surrogate marker for PAH mixture)	mg/kg		21	27	5	0.49	1.48	0.12	0.15	0.13	0.15	0.17	0.15	0.11	5.5	1.43	1.01	0.4	0.14	0	
	Xylene Total	ug/kg		31000000	43000000	310000	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichlorobenzene (total)	ug/kg				2200	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various			2200	1802.678	3137.96	-	-	-	-	1278.368	-	-	-	1938.194	-	-	-	-	
	PCDD/F+PBDD/F+PCB12 Hazard Index	-		1	1	1	0.1	0.45	-	-	-	-	0.02	-	-	-	0.32	-	-	-	-	

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
-- : Not analysed
HH: Human Health

				Monitoring_Zone	19. The Grove	19. The Grove	19. The Grove	19. The Grove	19. The Grove	19. The Grove	19. The Grove	19. The Grove	19. The Grove	19. The Grove
				Location_Code	GTCS2-S171A	GTCS2-S172A	GTCS2-S173A	GTCS2-S174A	GTCS2-S175A	GTCS2-S176A	GTCS2-S177A	GTCS2-S178A	GTCS2-S179A	GTCS2-S180A
				Sample_Depth_Range	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
				Sampled_Date_Time	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_RES+PL_SLOAM_>3.48%TOC										
BARGE	Lead – total (BARGE method)	mg/kg	5		-	-	-	-	-	178	-	-	546	-
	Bioaccessible Lead – stomach	mg/kg	5		-	-	-	-	-	100	-	-	385	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5		-	-	-	-	-	17	-	-	127	-
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0		-	-	-	-	-	56	-	-	71	-
Metals	Lead	mg/kg	5	200	139	151	146	114	209	539	112	135	483	445
	Antimony	mg/kg	1	198	-	-	3	-	-	-	3	-	-	-
PAH	Acenaphthene	mg/kg	0.05	1100	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	920	0.08	0.11	0.09	0.09	0.08	0.07	0.05	0.08	0.33	0.25
	Anthracene	mg/kg	0.04	11000	0.09	0.11	0.11	0.11	0.08	0.08	0.05	0.09	0.37	0.4
	Benz(a)anthracene	mg/kg	0.06	13	0.34	0.47	0.44	0.36	0.29	0.29	0.26	0.42	1.54	1.28
	Benzo(a) pyrene	mg/kg	0.04		0.42	0.59	0.51	0.45	0.39	0.35	0.29	0.48	1.95	1.48
	Benzo(b)fluoranthene	mg/kg	0.05	3.7	0.6	0.79	0.71	0.6	0.5	0.48	0.4	0.68	2.65	2.07
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		0.83	1.1	0.98	0.84	0.69	0.66	0.55	0.95	3.68	2.88
	Benzo(g,h,i)perylene	mg/kg	0.04	350	0.37	0.51	0.4	0.37	0.37	0.29	0.29	0.39	1.49	1.11
	Benzo(k)fluoranthene	mg/kg	0.02	100	0.23	0.31	0.27	0.24	0.19	0.18	0.15	0.27	1.03	0.81
	Chrysene	mg/kg	0.02	27	0.42	0.56	0.51	0.42	0.36	0.35	0.27	0.51	1.89	1.58
	Dibenz(a,h)anthracene	mg/kg	0.04	0.3	0.08	0.11	0.09	0.07	0.05	0.07	<0.04	0.07	0.25	0.28
	Fluoranthene	mg/kg	0.03	890	0.68	0.92	0.82	0.71	0.59	0.56	0.45	0.81	3.03	2.94
	Fluorene	mg/kg	0.04	860	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.07
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	41	0.37	0.49	0.41	0.38	0.36	0.3	0.25	0.4	1.57	1.15
	Naphthalene	mg/kg	0.04	13	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.2
	Phenanthrene	mg/kg	0.03	440	0.23	0.27	0.24	0.21	0.19	0.18	0.12	0.3	0.98	1.5
	Pyrene	mg/kg	0.03	2000	0.6	0.8	0.72	0.62	0.52	0.49	0.4	0.71	2.62	2.48
	PAH 16 Total	mg/kg	0.6		4.5	6	5.3	4.6	4	3.7	3	5.2	19.8	17.6
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable	38	-	-	0.0162	-	-	-	0.0192	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable	12	-	-	0.00091	-	-	-	0.00076	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable	120	-	-	0.124	-	-	-	0.144	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable	120	-	-	0.00491	-	-	-	0.00485	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable	120	-	-	0.416	-	-	-	0.417	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable	120	-	-	0.00633	-	-	-	0.00863	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable	0.036	-	-	0.004	-	-	-	0.00579	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable	120	-	-	0.07	-	-	-	0.0854	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable	120	-	-	0.0171	-	-	-	0.0217	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable	120	-	-	0.0286	-	-	-	0.0377	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable	0.12	-	-	<DL	-	-	-	0.000465	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable	130	-	-	0.00903	-	-	-	0.0109	-	-	-
Chlorinated Dioxins and	2378-TCDF	ng/kg	Variable		-	-	2.69	-	-	-	2.15	-	-	-
Furans	12378-PeCDD	ng/kg	Variable		-	-	0.547	-	-	-	<DL	-	-	-
	123478-HxCDD	ng/kg	Variable		-	-	1.1	-	-	-	0.835	-	-	-
	123678-HxCDD	ng/kg	Variable		-	-	2.76	-	-	-	2.32	-	-	-
	123789 HxCDD	ng/kg	Variable		-	-	2.02	-	-	-	1.04	-	-	-
	1234678-HpCDD	ng/kg	Variable		-	-	72.1	-	-	-	79.8	-	-	-
	OCDD	ng/kg	Variable		-	-	682	-	-	-	735	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable		-	-	4.7	-	-	-	4	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable		-	-	4.37	-	-	-	3.64	-	-	-
	OCDF	ng/kg	Variable		-	-	68.4	-	-	-	43.3	-	-	-
	2378-TCDD	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	12378-PeCDF	ng/kg	Variable		-	-	1.46	-	-	-	<DL	-	-	-
	23478-PeCDF	ng/kg	Variable		-	-	1.09	-	-	-	1.05	-	-	-
	123478-HxCDF	ng/kg	Variable		-	-	2.74	-	-	-	2.67	-	-	-
	123678-HxCDF	ng/kg	Variable		-	-	2.71	-	-	-	1.48	-	-	-
	234678-HxCDF	ng/kg	Variable		-	-	2.16	-	-	-	2.01	-	-	-
	123789-HxCDF	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	1234678-HpCDF	ng/kg	Variable		-	-	36.6	-	-	-	26.9	-	-	-
	1234789-HpCDF	ng/kg	Variable		-	-	2.55	-	-	-	1.39	-	-	-
Brominated Dioxins and	2378-TBDD	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
Furans	12378-PBDD	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	123478-HxBDD	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	123678-HxBDD	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	123789-HxBDD	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	1234678-HpBDD	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	OBDD	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	2378-TBDF	ng/kg	Variable		-	-	1.4	-	-	-	1.3	-	-	-
	12378-PBDF	ng/kg	Variable		-	-	0.7	-	-	-	0.9	-	-	-
	23478-PBDF	ng/kg	Variable		-	-	0.8	-	-	-	0.6	-	-	-
	123478-HxBDF	ng/kg	Variable		-	-	0.5	-	-	-	0.7	-	-	-
	123678-HxBDF	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	234678-HxBDF	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	123789-HxBDF	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	1234678-HpBDF	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	1234789-HpBDF	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
	OBDF	ng/kg	Variable		-	-	<DL	-	-	-	<DL	-	-	-
Asbestos	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones
	Asbestos Level Screen	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02		-	-	5.57	4.11	-	-	6.29	-	-	-
Other	Natural Moisture Content	percent	0.1		32.5	37.1	33.7	31.9	33.4	30.1	36.9	34.3	49.1	66.2
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		5	0.42	0.59	0.51	0.45	0.39	0.35	0.29	0.48	1.95	1.48
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various	8,700	-	-	1587.077	-	-	-	1663.98	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	-	-	0.05	-	-	-	0.04	-	-	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

Table J20 - GQRA Screening Table for Area 20 - Eynham Road Railway Land

					Monitoring_Zone	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land	20. Eynham Road Railway Land
					Location_Code	GTCS2-P031_SOIL	GTCS2-P033_SOIL	GTCS2-P035_SOIL	GTCS2-P036_SOIL	GTCS2-S181A	GTCS2-S182A	GTCS2-S182A	GTCS2-S182A	GTCS2-S183A	GTCS2-S184A	GTCS2-S184A	GTCS2-S184A	GTCS2-S185A	GTCS2-S186A	GTCS2-S186A	GTCS2-S186A	GTCS2-S187A	GTCS2-S188A	GTCS2-S188A	GTCS2-S188A	GTCS2-S189A	GTCS2-S190A	GTCS2-S190A	GTCS2-S190A
					Sample_Depth_Range	0.2	0.2	0.2	0.2	0-0.02	0-0.05	0-0.2	0.5-0.6	0-0.02	0-0.05	0-0.2	0.5-0.6	0-0.02	0-0.05	0-0.2	0.5-0.6	0-0.02	0-0.05	0-0.2	0.5-0.6	0-0.02	0-0.05	0-0.2	0.5-0.6
					Sampled_Date_Time	24/09/2020	24/09/2020	24/09/2020	24/09/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020	13/11/2020
				GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																								
Chem_Group	**ChemName**	**output unit**	**EQL**																										
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	-	-	1117	-	-	-	2695	350	-	-	-	-	-	-	1057	-	-	-	-	594	-	-
	Bioaccessible Lead – stomach	mg/kg	5			-	-	-	-	713	-	-	-	1940	218	-	-	-	-	-	-	585	-	-	-	-	423	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	-	-	352	-	-	-	809	60	-	-	-	-	-	-	171	-	-	-	-	99	-	-
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	64	-	-	-	72	62	-	-	-	-	-	-	55	-	-	-	-	71	-	-
Metals	Lead	mg/kg	5	630	200	928	743	437	525	959	639	648	229	1588	1657	310	164	388	423	382	161	823	349	314	54	631	752	409	31
	Antimony	mg/kg	1		198	-	-	-	-	-	-	-	-	-	18	5	3	-	-	-	-	-	-	-	-	5	-	-	-
SVOCs	Dibenzo[a,e]pyrene	ug/kg			42	330	280	440	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC TIC	1,2,9,10-Dibenzopyrene	ug/kg				230	210	380	430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3,4:8,9-Dibenzopyrene	ug/kg				50	40	60	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	benzo(c)fluorene	mg/kg				<0.01	<0.01	0.06	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg				190	120	330	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(e)pyrene	ug/kg				3230	2030	2570	2800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[ghi]fluoranthene	ug/kg				250	190	550	530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chrysene, 5-methyl-	ug/kg				<70	<50	<60	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo(a,i)pyrene	ug/kg				290	200	280	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg				1600	360	480	580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	1100	0.14	0.06	0.07	0.09	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	15000	920	0.46	0.29	0.32	0.49	0.29	0.3	0.27	<0.03	0.19	0.1	0.1	<0.03	0.18	0.16	0.17	<0.03	0.2	0.1	0.11	<0.03	0.17	0.18	0.11	<0.03
	Anthracene	mg/kg	0.04	74000	11000	0.78	0.43	0.58	0.71	0.83	0.5	0.32	0.06	0.37	0.22	0.26	0.08	0.24	0.28	0.25	<0.04	0.27	0.15	0.23	<0.04	0.49	0.32	0.19	<0.04
	Benz(a)anthracene	mg/kg	0.06	29	13	0.19	0.23	2.03	1.98	3.06	2.04	1.56	0.26	1.41	0.77	1.03	0.23	1.24	1.28	1	0.18	1.04	0.63	0.87	0.12	1.48	1.08	0.76	<0.06
	Benzo(a) pyrene	mg/kg	0.04			4.01	1.72	3.12	3.23	3.39	2.61	2.15	0.35	1.78	1	1.23	0.31	1.72	1.72	1.36	0.23	1.27	0.68	0.92	0.09	1.67	1.21	0.83	<0.04
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	3.7	3.58	2.63	4.59	3.61	4.69	3.52	2.96	0.48	2.46	1.4	1.75	0.41	2.38	2.35	1.88	0.32	1.73	0.94	1.2	0.14	2.06	1.61	1.09	<0.05
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			-	-	-	-	6.52	4.89	4.11	0.66	3.42	1.94	2.43	0.57	3.31	3.26	2.61	0.45	2.4	1.3	1.66	0.19	2.86	2.23	1.51	<0.07
	Benzo(g,h,i)perylene	mg/kg	0.04	640	350	4.09	1.46	1.85	2.15	2.23	1.74	1.39	0.22	1.13	0.6	0.84	0.18	1.04	1.11	0.9	0.21	0.92	0.48	0.58	0.08	1.19	0.89	0.54	<0.04
	Benzo(k)fluoranthene	mg/kg	0.02	190	100	1.49	1.13	1.52	1.52	1.83	1.37	1.15	0.18	0.96	0.54	0.68	0.16	0.93	0.91	0.73	0.13	0.67	0.36	0.46	0.05	0.8	0.62	0.42	<0.02
	Chrysene	mg/kg	0.02	57	27	1.36	0.88	1.16	1.11	3.52	2.47	1.9	0.3	1.74	0.93	1.22	0.25	1.51	1.56	1.15	0.21	1.25	0.71	0.97	0.12	1.62	1.28	0.87	<0.02
	Coronene	mg/kg				0.27	0.21	0.27	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	0.3	0.34	0.33	0.35	0.35	0.5	0.34	0.27	0.05	0.26	0.15	0.19	<0.04	0.26	0.24	0.18	<0.04	0.15	0.1	0.11	<0.04	0.22	0.15	0.1	<0.04
	Fluoranthene	mg/kg	0.03	3100	890	5.42	2.62	3.31	3.55	6.53	3.41	2.4	0.32	2.39	1.19	1.8	0.38	1.98	2.19	1.65	0.25	2.09	1.21	1.76	0.17	2.93	2.45	1.51	<0.03
	Fluorene	mg/kg	0.04	9900	860	0.14	0.06	0.07	0.09	0.19	0.07	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.09	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	41	<0.02	<0.02	2.03	2.44	2.45	1.8	1.43	0.23	1.19	0.63	0.87	0.17	1.09	1.16	0.9	0.2	0.95	0.5	0.63	0.06	1.21	0.83	0.59	<0.04
	Naphthalene	mg/kg	0.04	4900	13	0.36	0.44	1.03	0.42	0.14	0.13	0.13	<0.04	0.11	<0.04	0.05	<0.04	0.08	0.09	0.08	<0.04	0.08	<0.04	0.05	<0.04	0.09	0.15	0.11	<0.04
	Phenanthrene	mg/kg	0.03	3100	440	2.88	1.23	2.16	1.89	3.04	1.2	0.84	0.14	0.88	0.45	0.78	0.22	0.66	0.89	0.58	0.1	0.81	0.45	0.83	0.08	1.62	1.43	0.71	<0.03
	Pyrene	mg/kg	0.03	7400	2000	3.29	2.26	1.92	2.14	5.48	3	2.26	0.32	2.14	1.09	1.61	0.35	1.83	2.11	1.6	0.23	1.88	1.01	1.48	0.14	2.57	2.01	1.29	<0.03
	PAH 16 Total	mg/kg	0.6			-	-	-	-	38.3	24.5	19.1	2.9	17	9.1	12.4	2.7	15.1	16.1	12.4	2.1	13.3	7.3	10.2	1.1	18.2	14.4	9.1	<0.6
	PAH 4 SUM Lower	mg/kg				9.13	5.46	10.9	9.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg				9.13	5.46	10.9	9.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(j)fluoranthene	mg/kg			0.42	2.72	2.13	2.64	1.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	5		38	-	-	-	-	-	-	-	-	-	0.0833	0.0777	0.00656	-	-	-	-	-	-	-	-	0.0395	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	5		12	-	-	-	-	-	-	-	-	-	0.00535	0.00552	0.000997	-	-	-	-	-	-	-	-	0.00264	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	5		120	-	-	-	-	-	-	-	-	-	0.457	0.361	0.0262	-	-	-	-	-	-	-	-	0.248	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	5		120	-	-	-	-	-	-	-	-	-	0.0125	0.00837	0.000879	-	-	-	-	-	-	-	-	0.00684	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	5		120	-	-	-	-	-	-	-	-	-	0.42	0.421	0.422	-	-	-	-	-	-	-	-	0.423	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	5		120	-	-	-	-	-	-	-	-	-	0.00409	0.0126	0.000825	-	-	-	-	-	-	-	-	0.0116	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	5		0.036	-	-	-	-	-	-	-	-	-	0.0189	0.0203	0.00338	-	-	-	-	-	-	-	-	0.00972	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	5		120	-	-	-	-	-	-	-	-	-	0.191	0.164	0.0124	-	-	-	-	-	-	-	-	0.087	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	5		120	-	-	-	-	-	-	-	-	-	0.0539	0.0537	0.00482	-	-	-	-	-	-	-	-	0.0246	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	5		120	-	-	-	-	-	-	-	-	-	0.0783	0.0696	0.00532	-	-	-	-	-	-	-	-	0.0381	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	5		0.12	-	-	-	-	-	-	-	-	-	0.0049	0.0066	0.00207	-	-	-	-	-	-	-	-	0.00311	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	5		130	-	-	-	-	-	-	-	-	-	0.024	0.0268	0.00311	-	-	-	-	-	-	-	-	0.0109	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	16.1	38.4	4.57	-	-	-	-	-	-	-	-	9.07	-	-	-
	12378-PeCDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	8.21	6.71	1.17	-	-	-	-	-	-	-	-	2.69	-	-	-
	123478-HxCDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	8.41	10.8	2.17	-	-	-	-	-	-	-	-	3.73	-	-	-
	123678-HxCDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	28.4	41.8	6.98	-	-	-	-	-	-	-	-	14	-	-	-
	123789 HxCDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	20	25.9	3.68	-	-	-	-	-	-	-	-	7.5	-	-	-
	1234678-HpCDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	319	493	52.9	-	-	-	-	-	-	-	-	134	-	-	-
	OCDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	1160	2000	133	-	-	-	-	-	-	-	-	1260	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable			-	-	-	-	-	-	-	-	-	38.7	56.5	8.33	-	-	-	-	-	-	-	-	20.7	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable			-	-	-	-	-	-	-	-	-	38.7	56.5	8.14	-	-	-	-	-	-	-	-	20.4	-	-	-
	OCDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	49.1	68	8.49	-	-	-	-	-	-	-	-	43.3	-	-	-
	2378-TCDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	1.37	2.89	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	12378-PeCDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	17.1	21.5	4.28	-	-	-	-	-	-	-	-	10.1	-	-	-
	23478-PeCDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	26	42.1	5.68	-	-	-	-	-	-	-	-	16.5	-	-	-
	123478-HxCDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	22.1	28.6	5.74	-	-	-	-	-	-	-	-	13.1	-	-	-
	123678-HxCDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	22.1	26.3	5.93	-	-	-	-	-	-	-	-	12.3	-	-	-
	234678-HxCDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	22.2	26.5	5.99	-	-	-	-	-	-	-	-	10.1	-	-	-
	123789-HxCDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	1.61	2.41	1.45	-	-	-	-	-	-	-	-	0.729	-	-	-
	1234678-HpCDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	80.6	91.8	16.2	-	-	-	-	-	-	-	-	50.9	-	-	-
	1234789-HpCDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	7.67	9.02	1.53	-	-	-	-	-	-	-	-	3.64	-	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	12378-PBDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	123478-HxBDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	123678-HxBDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	123789-HxBDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	1234678-HpBDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	OBDD	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	2378-TBDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	0.7	<DL	0.8	-	-	-	-	-	-	-	-	<DL	-	-	-
	12378-PBDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	23478-PBDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	123478-HxBDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	0.5	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	123678-HxBDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	234678-HxBDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	123789-HxBDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	1234678-HpBDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	1234789-HpBDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
	OBDF	ng/kg	Variable			-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL	-	-	-
Asbestos	Asbestos Containing Material	None				-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Containing Material (2)	None				-	-	-	-	-	-	-	-	No Asbestos Detected	-	-	-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	-	-	-	-	-
	Asbestos Fibres (2)	None				-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (3)	None				-	-	-	-	-	-	-	-	No Asbestos Detected	-	-	-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	-	-	-	-	-
	Asbestos Type	None				-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type 2	None				-	-	-	-	-	-	-	-	No Asbestos Detected	-	-	-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	-	-	-	-	-
	General Description (Bulk Analysis)	None				-	-	-	-	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	soil.stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stones
	Asbestos Level Screen	None				-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02			-	-	-	-	-	-	-	-	-	8.83	6.89	4	8.54	-	-	-	-	-	-	-	7.95	-	-	-
Other	Natural Moisture Content	percent	0.1			-	-	-	-	60.1	41.7	33.6	29.3	37.9	45.5	25.9	29.9	60.7	48.3	31.1	22.8	52.7	65.1	34.6	29.3	70.2	47.6	42.8	<0.1
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	5	3.2	1.31	2.65	2.52	3.39	2.61	2.15	0.35	1.78	1	1.23	0.31	1.72	1.72	1.36	0.23	1.27	0.68	0.92	0.09	1.67	1.21	0.83	0
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	-	-	-	-	-	-	-	-	-	3240.61	4275.92	764.791	-	-	-	-	-	-	-	-	2537.77	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1	-	-	-	-	-	-	-	-	-	0.39	0.52	0.08	-	-	-	-	-	-	-	-	0.18	-	-	-

GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

					Monitoring_Zone	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways
					Location_Code	GTCS 1-05	GTCS 1-06	GTCS2-P037_SOIL	GTCS2-P038_SOIL	GTCS2-P041_SOIL	GTCS2-P042_SOIL	GTCS2-S191A	GTCS2-S191A	GTCS2-S191A	GTCS2-S192A	GTCS2-S193A	GTCS2-S193A	GTCS2-S193A	GTCS2-S194A	GTCS2-S195A	GTCS2-S195A	GTCS2-S195A	GTCS2-S196A	GTCS2-S197A	GTCS2-S197A	GTCS2-S197A	GTCS2-S198A	GTCS2-S199A	GTCS2-S199A	GTCS2-S199A	GTCS2-S200A
					Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0.2	0-0.05	0-0.2	0.5-0.6	0-0.02	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02
					Sampled_Date_Time	06/06/2019	06/06/2019	29/09/2020	29/09/2020	29/09/2020	29/09/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	06/11/2020	06/11/2020	06/11/2020	05/11/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																										
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	-	-	-	-	-	202	-	-	-	-	709	463	-	-	-	-	-	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5			-	-	-	-	-	-	-	124	-	-	-	-	531	270	-	-	-	-	-	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	-	-	-	-	-	24	-	-	-	-	29	131	-	-	-	-	-	-	-	-	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction Anthracene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	62.8	-	-	-	-	-	-	-	-	-	-	38.7	57.1	-
	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	-	-	-	61	-	-	-	-	75	58	-	-	-	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Acenaphthene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	80	-	-	-	-	-	-	-	-	-	-	-	82.8	-
	Bioaccessible Fraction Acenaphthylene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	47.9	-	-	-	-	-	-	-	-	-	-	-	28.8	-
	Bioaccessible Fraction Benzo(a)anthracene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	84.1	-	-	-	-	-	-	-	-	-	-	40.9	64.5	-
	Bioaccessible Fraction Benzo(a)pyrene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	25.6	33.8	-
	Bioaccessible Fraction Benzo(ghi)perylene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-	31	30.3	-
	Bioaccessible Fraction Benzo(bk)fluoranthene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	53.9	-	-	-	-	-	-	-	-	-	-	32.4	38.7	-
	Bioaccessible Fraction Chrysene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	67.7	-	-	-	-	-	-	-	-	-	-	33	50	-
	Bioaccessible Fraction Dibenzo(ah)anthracene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	43.3	-	-	-	-	-	-	-	-	-	-	-	28.3	-
	Bioaccessible Fraction Fluoranthene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	67.5	-	-	-	-	-	-	-	-	-	-	40.5	57.9	-
	Bioaccessible Fraction Indeno(123cd)pyrene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	25.1	27.3	-
	Bioaccessible Fraction Fluorene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	49.1	-	-	-	-	-	-	-	-	-	-	-	60.1	-
	Bioaccessible Fraction Naphthalene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	58.1	-	-	-	-	-	-	-	-	-	-	-	57.4	-
	Bioaccessible Fraction Phenanthrene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	63.6	-	-	-	-	-	-	-	-	-	-	41	67.7	-
	Bioaccessible Fraction Pyrene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	66.4	-	-	-	-	-	-	-	-	-	-	41.4	55.9	-
VOC TIC	VOC TICs	None				<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals	Aluminium	mg/kg	50		77000	14,493	15,840	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.5	79	37	9.5	11.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	1		460	178	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.5	2.2	1.7	1.1	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Boron	mg/kg	0.1	21000	290	2.2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.1	220	22	1.3	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (Trivalent)	mg/kg	0.5	1500	910	47.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	21	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5	1500	910	47.2	150.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1	12000	2400	53	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	5	630	200	132	175	87	65	62	226	448	610	372	308	173	443	500	538	155	206	404	314	293	428	443	194	82	100	293	110
	Mercury	mg/kg	0.1	120	23|40	0.3	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	0.7	230	130	27.1	26.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	1	1100	250	<1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	1	2000	410	43	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	5	81000	3700	191	243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	1		198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	4	-	-	-	-	-	-	-	-	3
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	6400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5	140000000	39000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	7500	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4		2700	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethane	ug/kg	6		7400	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethene	ug/kg	6		820	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7	1800000	8600	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4		5.1	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6		2000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4		5.3	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromoethane	ug/kg	3		36	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloroethane	ug/kg	5	29000	19	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloropropane	ug/kg	4		84	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3		270000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichloropropane	ug/kg	4		1600000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene	ug/kg	5	140,000	870	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromobenzene	ug/kg	2		4700	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromochloromethane	ug/kg	4		150000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromodichloromethane	ug/kg	4		290	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromoform	ug/kg	4		13000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromomethane	ug/kg	1		6800	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	ug/kg	4	950000	130	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorobenzene	ug/kg	4	14000000	2400	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorodibromomethane	ug/kg	5		8300	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroethane	ug/kg	6		18000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	ug/kg	5	2500000	3400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloromethane	ug/kg	3		13	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7		370	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibromomethane	ug/kg	4		24000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2		87000	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichloromethane	ug/kg	30		1700	<30	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethylbenzene	ug/kg	3	25000000	260000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isopropylbenzene	ug/kg	3		64000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MTBE	ug/kg	6		160000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-butylbenzene	ug/kg	4		3900000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-propylbenzene	ug/kg	4		190000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	sec-butylbenzene	ug/kg	4		7800000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Styrene	ug/kg	3		43000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	tert-butylbenzene	ug/kg	5		7800000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethene	ug/kg	3	1400000	900	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Toluene	ug/kg	3	56000000	660000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3		700	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethene	ug/kg	5	120000	75	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	ug/kg	3		23000000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (m & p)	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (o)	ug/kg	4	43000000	330000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vinyl chloride	ug/kg	2	3500	1.4	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon disulfide	mg/kg	0.003	11000	0.62	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs	Dibenzo[a,e]pyrene	ug/kg	100		42	-	-	100	70	60	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylnaphthalene	ug/kg	10		240000	75	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Azobenzene	ug/kg	10		5600	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10		230	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbazole	ug/kg	10			280	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzofuran	ug/kg	10		78000	194	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobutadiene	ug/kg	4	25000	1600	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10		1800	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachloroethane	ug/kg	10		1100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		630000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloroaniline	ug/kg	10		2700	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitroaniline	ug/kg	10		27000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		78	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		7200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10		3900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nitrobenzene	ug/kg	10		5100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		97000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chloronaphthalene	ug/kg	10		22000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloro-3-methylphenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenol	ug/kg	10	1300000	380000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10		49000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-dichlorophenol	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorophenol	ug/kg	10		390000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorophenol	ug/kg	10	60000	1200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	15000	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4	98000000	130000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4	300000	2300	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4	17000000	350000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobenzene	ug/kg	10	16000	4900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenolics	2,4,6-Tribromophenol	mg/kg	0.1		570	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1100000	418	576	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100		7200000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diethylphthalate	ug/kg	100		570000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dimethyl phthalate	ug/kg	100		16400	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100		67000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100		3100000	801	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10		570000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC TIC	1,2,9,10-Dibenzopyrene	ug/kg	100			-	-	90	60	50	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11H-Benzo(b)fluorene	ug/kg	100			1617	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3,4:8,9-Dibenzopyrene	ug/kg	100			-	-	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-Bromo-5-ethoxy-4-hydroxybenzaldehyde	ug/kg	100			528	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-Bis(tetrahydrothiopyran)	ug/kg	100			871	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9,10-Anthracenedione	ug/kg	100		14000	355	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Anthracene, 1-methyl-	ug/kg	100			506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Anthracene, 2-methyl-	ug/kg	100			-	122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	benzo(c)fluorene	mg/kg				-	-	0.01	<0.01	0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100			-	-	60	50	40	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,3-d]furan	ug/kg	100			556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(e)pyrene	ug/kg	100			6551	962	490	360	320	380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[ghi]fluoranthene	ug/kg	100			-	-	120	80	80	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chrysene, 5-methyl-	ug/kg	100			-	-	<10	<10	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclopenta(cd)pyrene, 3,4-dihydro-	ug/kg	100			1147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo(a,i)pyrene	ug/kg	100			1341	-	40	30	30	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg	100			-	-	70	70	50	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Heptadecane	ug/kg	100			-	421	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-phenyl-	ug/kg	100			660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 1-methyl-	ug/kg	100			1088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 2-methyl-	ug/kg	100			615	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1-methyl-	ug/kg	100			-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloro-o-benzoquinone	ug/kg	100			503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(+)-Cyclosativene	ug/kg	100			665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3,5,6-Trimethyl-p-quinone, 2-(2,5-dioxotetrahydrofuran-3-yl)thio-	ug/kg	100			1916	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benz[d]isoxazol-4(5H)-one, 6,7-dihydro-3-methyl-6-phenyl-, oxime	ug/kg	100			1037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	1100	0.15	<0.05	0.02	0.03	0.01	0.02	<0.05	<0.05	1.08	<0.05	<0.05	<0.05	1	0.09	<0.05	<0.05	0.1	<0.05	0.09	0.15	<0.05	<0.05	0.08	2.35	3.75	<0.05
	Acenaphthylene	mg/kg	0.03	15000	920	0.3	0.15	0.09	0.05	0.05	0.11	0.1	0.18	1.53	0.16	0.12	0.15	3.06	0.19	0.11	0.08	0.37	0.17	0.32	0.64	0.18	0.17	0.31	0.8	2.18	0.08
	Anthracene	mg/kg	0.04	74000	11000	0.96	0.24	0.13	0.11	0.07	0.11	0.17	0.26	4.68	0.21	0.12	0.22	4.78	0.47	0.16	0.13	0.81	0.33	0.72	1.11	0.33	0.2	0.44	5.35	11.92	0.08
	Benz(a)anthracene	mg/kg	0.06	29	13	2.37	1.15	0.47	0.32	0.21	0.3	0.78	0.84	7.9	0.65	0.33	0.78	11.52	1.45	0.45	0.5	2.2	1.71	2.28	3.58	1.21	0.89	1.51	6.52	23.62	0.31
	Benzo(a) pyrene	mg/kg	0.04			2.29	1.24	0.55	0.39	0.34	0.34	0.98	1.1	9.52	0.98	0.49	0.96	15.93	1.66	0.57	0.59	2.65	2.3	2.9	4.71	1.42	1.15	2.1	7.21	25.36	0.39
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	3.7	3.02	1.63	0.55	0.4	0.34	0.39	1.22	1.46	11.72	1.33	0.64	1.27	19.13	2.24	0.77	0.78	3.42	3	3.9	6.45	1.84	1.47	2.61	8.82	32.07	0.48
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			4.2	2.27	-	-	-	-	1.7	2.03	16.28	1.85	0.89	1.77	26.57	3.11	1.07	1.09	4.75	4.17	5.42	8.96	2.55	2.04	3.62	12.25	44.54	0.67
	Benzo(g,h,i)perylene	mg/kg	0.04	640	350	1.49	0.81	0.47	0.34	0.28	0.35	0.78	1.05	7.73	1.04	0.52	0.88	12.82	1.41	0.53	0.48	2.2	1.71	2.62	4.62	1.23	1.02	1.62	4.88	17.59	0.34
	Benzo(k)fluoranthene	mg/kg	0.02	190	100	1.18	0.64	0.27	0.19	0.15	0.18	0.48	0.57	4.56	0.52	0.25	0.5	7.44	0.87	0.3	0.31	1.33	1.17	1.52	2.51	0.71	0.57	1.01	3.43	12.47	0.19
	Chrysene	mg/kg	0.02	57	27	2.15	1.07	0.3	0.23	0.18	0.25	0.82	1.01	8.21	0.84	0.38	0.92	12.41	1.72	0.55	0.56	2.4	2.06	2.64	4.43	1.23	0.93	1.87	7.48	28.22	0.33
	Coronene	mg/kg	0.04			0.3	0.2	0.09	0.06	0.06	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	0.3	0.5	0.29	0.1	0.06	0.06	0.06	0.15	0.2	1.88	0.18	0.12	0.21	2.98	0.34	0.14	0.11	0.51	0.28	0.46	0.88	0.24	0.2	0.24	0.87	2.77	0.06
	Fluoranthene	mg/kg	0.03	3100	890	5.05	1.92	0.75	0.56	0.36	0.63	1.38	1.86	21.29	1.48	0.66	1.81	27.69	3.58	1.07	1.12	5.8	3.52	4.87	7.3	2.21	1.32	3.06	18.75	68.09	0.53
	Fluorene	mg/kg	0.04	9900	860	0.15	<0.04	0.02	0.03	0.01	0.02	<0.04	<0.04	0.71	<0.04	<0.04	<0.04	0.96	0.09	<0.04	<0.04	0.11	0.06	0.12	0.19	0.05	<0.04	0.06	2.32	3.02	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	41	1.5	0.84	0.43	0.33	0.26	0.3	0.73	0.99	7.63	0.93	0.47	0.84	12.89	1.39	0.53	0.53	2.24	1.82	2.4	4.34	1.2	0.93	1.52	4.84	17.13	0.31
	Naphthalene	mg/kg	0.04	4900	13	0.04	<0.04	0.07	0.15	0.06	0.12	<0.04	<0.04	0.19	<0.04	<0.04	<0.04	0.58	0.07	<0.04	<0.04	0.07	0.08	0.09	0.18	<0.04	<0.04	<0.04	0.85	2.77	<0.04
	Phenanthrene	mg/kg	0.03	3100	440	2.59	0.56	0.22	0.3	0.13	0.44	0.53	0.54	12.47	0.43	0.19	0.55	11.77	1.41	0.52	0.43	2.07	1.12	1.71	2.42	0.78	0.31	0.97	16.3	42.86	0.19
	Pyrene	mg/kg	0.03	7400	2000	4.16	1.66	0.6	0.42	0.3	0.46	1.2	1.62	17.63	1.35	0.59	1.59	25.58	3.08	0.94	0.99	4.89	2.96	4.07	6.4	2.01	1.26	2.75	14.79	55.78	0.5
	PAH 16 Total	mg/kg	0.6			27.9	12.2	-	-	-	-	9.3	11.7	118.7	10.1	4.9	10.7	170.5	20.1	6.6	6.6	31.2	22.3	30.7	49.9	14.6	10.4	20.2	105.6	349.6	3.8

Table J21 - GQRA Screening Table for Area 21 - Hurstway, Grenfell, Testerton and Barandon Walks (Lancaster Walkways)

					Monitoring_Zone	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways
					Location_Code	GTCS 1-05	GTCS 1-06	GTCS2-P037_SOIL	GTCS2-P038_SOIL	GTCS2-P041_SOIL	GTCS2-P042_SOIL	GTCS2-S191A	GTCS2-S191A	GTCS2-S191A	GTCS2-S192A	GTCS2-S193A	GTCS2-S193A	GTCS2-S193A	GTCS2-S194A	GTCS2-S195A	GTCS2-S195A	GTCS2-S195A	GTCS2-S196A	GTCS2-S197A	GTCS2-S197A	GTCS2-S197A	GTCS2-S198A	GTCS2-S199A	GTCS2-S199A	GTCS2-S199A	GTCS2-S200A
					Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0.2	0-0.05	0-0.2	0.5-0.6	0-0.02	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02
					Sampled_Date_Time	06/06/2019	06/06/2019	29/09/2020	29/09/2020	29/09/2020	29/09/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	06/11/2020	06/11/2020	06/11/2020	05/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																										
	PAH 17 Total	mg/kg	0.64			28.2	12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Lower	mg/kg				-	-	1.86	1.34	1.07	1.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg				-	-	1.86	1.34	1.07	1.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(j)fluoranthene	mg/kg			0.42	-	-	0.3	0.21	0.18	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 52	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 101	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 118	ug/kg	5		120	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 138	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 153	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 180	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35		200	<35	<35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	0.045	0.259	-	-	-	-	-	-	-	-	-	-	-	-	0.0359	0.0351	0.0207	-	-	-	-	-	-	-	-	0.0164
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	0.000833	0.00784	-	-	-	-	-	-	-	-	-	-	-	-	0.00108	0.00104	0.0015	-	-	-	-	-	-	-	-	0.00077
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	0.351	2.33	-	-	-	-	-	-	-	-	-	-	-	-	0.266	0.241	1.03	-	-	-	-	-	-	-	-	0.169
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	0.00381	0.04	-	-	-	-	-	-	-	-	-	-	-	-	0.00492	0.0075	0.0476	-	-	-	-	-	-	-	-	0.0027
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	0.424	0.425	-	-	-	-	-	-	-	-	-	-	-	-	0.426	0.427	0.428	-	-	-	-	-	-	-	-	0.429
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	0.0217	0.151	-	-	-	-	-	-	-	-	-	-	-	-	0.0149	0.0131	0.0394	-	-	-	-	-	-	-	-	0.0094
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	0.0101	0.157	-	-	-	-	-	-	-	-	-	-	-	-	0.0065	0.00496	0.00474	-	-	-	-	-	-	-	-	0.00377
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	0.156	1.17	-	-	-	-	-	-	-	-	-	-	-	-	0.122	0.103	0.586	-	-	-	-	-	-	-	-	0.0801
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	0.0388	0.341	-	-	-	-	-	-	-	-	-	-	-	-	0.0346	0.0306	0.14	-	-	-	-	-	-	-	-	0.0221
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	0.0689	0.632	-	-	-	-	-	-	-	-	-	-	-	-	0.0533	0.0475	0.181	-	-	-	-	-	-	-	-	0.0349
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	0.000301	0.0132	-	-	-	-	-	-	-	-	-	-	-	-	0.000875	0.00119	0.00292	-	-	-	-	-	-	-	-	0.00023
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	0.0223	0.131	-	-	-	-	-	-	-	-	-	-	-	-	0.0115	0.0128	0.0317	-	-	-	-	-	-	-	-	0.00764
	Total PCB WHO 12	ug/kg	60			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			<DL	4.63	-	-	-	-	-	-	-	-	-	-	-	-	<DL	1.85	8	-	-	-	-	-	-	-	-	0.794
	12378-PeCDD	ng/kg	Variable			<DL	0.526	-	-	-	-	-	-	-	-	-	-	-	-	<DL	0.95	1.36	-	-	-	-	-	-	-	-	<DL
	123478-HxCDD	ng/kg	Variable			<DL	0.853	-	-	-	-	-	-	-	-	-	-	-	-	1.8	2.17	3.25	-	-	-	-	-	-	-	-	<DL
	123678-HxCDD	ng/kg	Variable			2.5	5.28	-	-	-	-	-	-	-	-	-	-	-	-	7.15	8.91	9.61	-	-	-	-	-	-	-	-	0.971
	123789 HxCDD	ng/kg	Variable			3.32	3.06	-	-	-	-	-	-	-	-	-	-	-	-	2.8	2.97	6.15	-	-	-	-	-	-	-	-	1.02
	1234678-HpCDD	ng/kg	Variable			166	104	-	-	-	-	-	-	-	-	-	-	-	-	216	232	123	-	-	-	-	-	-	-	-	29.5
	OCDD	ng/kg	Variable			1370	736	-	-	-	-	-	-	-	-	-	-	-	-	1710	1760	548	-	-	-	-	-	-	-	-	198
	TEQ(1) (NATO)	ng/kg	Variable			6.81	9.9	-	-	-	-	-	-	-	-	-	-	-	-	7.7	11.5	17.6	-	-	-	-	-	-	-	-	2.69
	TEQ(2) (NATO)	ng/kg	Variable			5.83	9.63	-	-	-	-	-	-	-	-	-	-	-	-	6.85	11.2	17.2	-	-	-	-	-	-	-	-	2.32
	OCDF	ng/kg	Variable			84	132	-	-	-	-	-	-	-	-	-	-	-	-	96	87	37.3	-	-	-	-	-	-	-	-	12.9
	2378-TCDD	ng/kg	Variable			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	12378-PeCDF	ng/kg	Variable			1.14	3.77	-	-	-	-	-	-	-	-	-	-	-	-	<DL	3	6.3	-	-	-	-	-	-	-	-	0.812
	23478-PeCDF	ng/kg	Variable			2.25	4.45	-	-	-	-	-	-	-	-	-	-	-	-	<DL	4.51	13.6	-	-	-	-	-	-	-	-	1.77
	123478-HxCDF	ng/kg	Variable			<DL	5.64	-	-	-	-	-	-	-	-	-	-	-	-	4.81	6.68	14.6	-	-	-	-	-	-	-	-	2.57
	123678-HxCDF	ng/kg	Variable			1.71	4.7	-	-	-	-	-	-	-	-	-	-	-	-	3.66	6.03	14.1	-	-	-	-	-	-	-	-	0.699
	234678-HxCDF	ng/kg	Variable			2.61	5.5	-	-	-	-	-	-	-	-	-	-	-	-	3.91	6.98	12.5	-	-	-	-	-	-	-	-	1.55
	123789-HxCDF	ng/kg	Variable			<DL	0.678	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	1.4	-	-	-	-	-	-	-	-	<DL
	1234678-HpCDF	ng/kg	Variable			50.5	198	-	-	-	-	-	-	-	-	-	-	-	-	44.4	53.9	61.6	-	-	-	-	-	-	-	-	12.6
	1234789-HpCDF	ng/kg	Variable			1.77	3.05	-	-	-	-	-	-	-	-	-	-	-	-	3.17	2.79	4.24	-	-	-	-	-	-	-	-	0.846
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	12378-PBDD	ng/kg	Variable			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	123478-HxBDD	ng/kg	Variable			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	123678-HxBDD	ng/kg	Variable			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	123789-HxBDD	ng/kg	Variable			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	1234678-HpBDD	ng/kg	Variable			<DL	0.97	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	OBDD	ng/kg	Variable			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	2378-TBDF	ng/kg	Variable			3.65	8.77	-	-	-	-	-	-	-	-	-	-	-	-	0.9	0.8	0.7	-	-	-	-	-	-	-	-	<DL
	12378-PBDF	ng/kg	Variable			3.1	6.19	-	-	-	-	-	-	-	-	-	-	-	-	<DL	0.6	<DL	-	-	-	-	-	-	-	-	<DL
	23478-PBDF	ng/kg	Variable			1.49	3.8	-	-	-	-	-	-	-	-	-	-	-	-	0.5	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	123478-HxBDF	ng/kg	Variable			1.28	2.71	-	-	-	-	-	-	-	-	-	-	-	-	<DL	0.5	<DL	-	-	-	-	-	-	-	-	<DL
	123678-HxBDF	ng/kg	Variable			1.05	2.29	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	234678-HxBDF	ng/kg	Variable			<DL	1.17	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	123789-HxBDF	ng/kg	Variable			<DL	0.88	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	1234678-HpBDF	ng/kg	Variable			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	1234789-HpBDF	ng/kg	Variable			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
	OBDF	ng/kg	Variable			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-	-	-	-	-	-	<DL
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	<0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg	<0.2		630	<0.5	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(2-ethylhexyl) phosphate	mg/kg	<0.1		170	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		13	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			<500	<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	1.2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				less than 0.1%	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Containing Material (2)	None				-	-	-	-	-	-	-	-	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material (3)	None				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos fibres	None				Fibre Bundles	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected
	Asbestos Fibres (3)	None				-	-	-	-	-	-	-	-	Fibre Bundles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Type	None				Amosite	No Asbestos Detected	-	-	-	-	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected
	Asbestos Type 2	None				-	-	-	-	-	-	-	-	Crocidolite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Type 3	None				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Description (Bulk Analysis)	None				Soil/Stone	Soil/Stone	-	-	-	-	soil.stones	soil.stones	soil.stones	Soil/Stones	soil.stones	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	Soil/Stone	Soil/Stones	Soil/Stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones
	Potentially Respirable Fibres per gram	None	0			0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Level Screen	None				-	-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			<0.001	-	-	-	-	-	-	-	0.002	-	-	-	<0.001	-	-	<0.001	-	-	-	0.001	-	-	-	-	0.004	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			<0.001	-	-	-	-	-	-	-	0.002	-	-	-	<0.001	-	-	<0.001	-	-	-	<0.001	-	-	-	-	<0.001	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			<0.001	-	-	-	-	-	-	-	<0.001	-	-	-	<0.001	-	-	<0.001	-	-	-	<0.001	-	-	-	-	<0.001	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			<0.001	-	-	-	-	-	-	-	<0.001	-	-	-	<0.001	-	-	<0.001	-	-	-	0.001	-	-	-	-	0.004	-
	Asbestos Quantification - Total - %	mass %	0.001			<0.001	-	-	-	-	-	-	-	<0.001	-	-	-	<0.001	-	-	<0.001	-	-	-	0.001	-	-	-	-	0.004	-
SVF / MMMF	Synthetic/MMMF	None				1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			3.43	3.16	-	-	-	-	-	-	-	-	-	-	-	-	12.47	9.07	6.15	5.87	-	-	-	-	-	-	-	4.88
Inorganics	pH (Lab)	pH units	0.01			6.99	7.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			10.3	16.2	-	-	-	-	66.7	50.3	29.9	48	74.5	21.2	20.5	46.8	78	59.8	41.8	57.2	54.1	28	19.6	41.4	56.9	24.5	14.9	55.9
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	5	2.29	1.24	0.55	0.39	0.34	0.34	0.98	1.1	9.52	0.98	0.49	0.96	14.67 - 15.93	1.66	0.57	0.59	2.65	2.3	2.9	4.71	1.42	1.15	2.1	7.21	25.36 - 27.4	0.39
	Xylene Total	ug/kg		43000000	310000	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				6.539	27.646	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	2841.184	6888.707	-	-	-	-	-	-	-	-	-	-	-	-	3085.825	3127.23	3413.37	-	-	-	-	-	-	-	-	1045.052
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1	0.07	0.32	-	-	-	-	-	-	-	-	-	-	-	-	0.06	0.1	0.15	-	-	-	-	-	-	-	-	0.02

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

						Monitoring_Zone	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court
						Location_Code	GTCS 1-19	GTCS 1-20	GTCS2-S201A	GTCS2-S202A	GTCS2-S203A	GTCS2-S204A	GTCS2-S205A	GTCS2-S206A	GTCS2-S207A	GTCS2-S208A	GTCS2-S209A	GTCS2-S210A
						Sample_Depth_Range	0-0.05	0-0.05	0-0.2	0-0.05	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
						Sampled_Date_Time	05/06/2019	05/06/2019	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_RES_SLOAM_>3.48% TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC													
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	-	-	-	-	-	-	-	-	480	449
	Bioaccessible Lead – stomach	mg/kg	5			-	-	-	-	-	-	-	-	-	-	345	269
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	-	-	-	-	-	-	-	-	138	138
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	-	-	-	-	-	-	72	60
Metals	Lead	mg/kg	5	630	200	290	434	161	273	115	68	93	152	344	211	524	460
	Antimony	mg/kg	1	198		-	-	3	-	-	-	2	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	1100	0.07	0.13	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	0.07	0.08	0.25	<0.05
	Acenaphthylene	mg/kg	0.03	15000	920	1.4	0.27	0.11	0.15	0.18	<0.03	0.06	0.37	0.22	0.17	0.71	0.34
	Anthracene	mg/kg	0.04	74000	11000	1.12	0.5	0.21	0.48	0.21	0.07	0.1	0.58	0.41	0.38	1.24	0.48
	Benz(a)anthracene	mg/kg	0.06	29	13	4.03	1.71	0.67	1.72	1.14	0.28	0.36	2.17	1.46	1.46	3.88	2.35
	Benzo(a) pyrene	mg/kg	0.04			4.52	2.04	0.8	1.81	1.32	0.28	0.39	2.63	1.77	1.69	4.34	2.84
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	3.7	5.93	2.6	1.02	2.37	1.73	0.37	0.53	3.51	2.36	2.3	5.79	3.76
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			8.23	3.61	1.42	3.29	2.4	0.51	0.74	4.88	3.28	3.19	8.04	5.22
	Benzo[g,h,i]perylene	mg/kg	0.04	640	350	3.26	1.4	0.59	1.17	1	0.23	0.31	1.99	1.42	1.32	3.14	2.11
	Benzo(k)fluoranthene	mg/kg	0.02	190	100	2.3	1.01	0.4	0.92	0.67	0.14	0.21	1.37	0.92	0.89	2.25	1.46
	Chrysene	mg/kg	0.02	57	27	3.75	1.82	0.72	1.78	1.08	0.23	0.36	2.43	1.67	1.65	4.37	2.59
	Dibenz[a,h]anthracene	mg/kg	0.04	0.58	0.3	0.67	0.32	0.13	0.25	0.18	<0.04	0.08	0.42	0.3	0.25	0.61	0.32
	Fluoranthene	mg/kg	0.03	3100	890	7.09	3.68	1.39	4.15	1.64	0.38	0.66	4.8	3.31	3.65	9.34	4.49
	Fluorene	mg/kg	0.04	9900	860	0.1	0.11	<0.04	0.09	<0.04	<0.04	<0.04	0.06	0.06	0.08	0.37	0.07
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	41	3.2	1.35	0.57	1.24	1.02	0.21	0.31	1.99	1.43	1.22	3.04	2.1
	Naphthalene	mg/kg	0.04	4900	13	0.15	0.08	<0.04	<0.04	0.06	<0.04	<0.04	0.08	0.06	<0.04	0.17	0.09
	Phenanthrene	mg/kg	0.03	3100	440	1.65	1.65	0.62	1.65	0.49	0.12	0.23	1.46	1.09	1.28	4.91	1.35
	Pyrene	mg/kg	0.03	7400	2000	6.2	3.13	1.24	3.49	1.53	0.33	0.6	4.13	2.88	3.11	7.84	3.9
	PAH 16 Total	mg/kg	0.6			45.4	21.8	8.5	21.4	12.3	2.6	4.2	28	19.4	19.5	52.3	28.3
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	0.0731	0.0927	0.038	-	-	-	0.0178	-	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	0.00281	0.00443	0.00152	-	-	-	0.000552	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	0.431	0.545	4.85	-	-	-	0.12	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	0.00905	0.0106	0.269	-	-	-	0.00365	-	-	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	0.43	0.431	0.432	-	-	-	0.433	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	0.0402	0.04	0.108	-	-	-	0.00447	-	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	0.0192	0.0133	0.00991	-	-	-	0.00306	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	0.245	0.214	2.23	-	-	-	0.0693	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	0.0714	0.0592	0.487	-	-	-	0.0156	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	0.122	0.0931	0.735	-	-	-	0.0303	-	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	0.00187	0.00153	0.000405	-	-	-	0.000378	-	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	0.0281	0.0189	0.0935	-	-	-	0.0117	-	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			5.7	6.52	1.55	-	-	-	<DL	-	-	-	-	-
	12378-PeCDD	ng/kg	Variable			0.643	1.51	<DL	-	-	-	0.639	-	-	-	-	-
	123478-HxCDD	ng/kg	Variable			1.36	0.917	0.635	-	-	-	0.321	-	-	-	-	-
	123678-HxCDD	ng/kg	Variable			4.12	3.56	2.45	-	-	-	1.69	-	-	-	-	-
	123789-HxCDD	ng/kg	Variable			2.67	2	1.47	-	-	-	1.13	-	-	-	-	-
	1234678-HpCDD	ng/kg	Variable			58.7	62.3	60.3	-	-	-	73.2	-	-	-	-	-
	OCDD	ng/kg	Variable			381	319	450	-	-	-	572	-	-	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable			9.18	8.91	4.85	-	-	-	3.43	-	-	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable			8.95	8.64	4.54	-	-	-	3.15	-	-	-	-	-
	OCDF	ng/kg	Variable			37.4	43.2	40	-	-	-	33.1	-	-	-	-	-
	2378-TCDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	12378-PeCDF	ng/kg	Variable			5.06	4.84	3.32	-	-	-	0.496	-	-	-	-	-
	23478-PeCDF	ng/kg	Variable			6.95	6.15	2.92	-	-	-	1.74	-	-	-	-	-
	123478-HxCDF	ng/kg	Variable			6.86	6.81	3.6	-	-	-	<DL	-	-	-	-	-
	123678-HxCDF	ng/kg	Variable			5.63	4.38	2.68	-	-	-	<DL	-	-	-	-	-
	234678-HxCDF	ng/kg	Variable			6.1	5.39	2.56	-	-	-	0.977	-	-	-	-	-
	123789-HxCDF	ng/kg	Variable			0.799	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	1234678-HpCDF	ng/kg	Variable			55	60.2	31.5	-	-	-	18.2	-	-	-	-	-
	1234789-HpCDF	ng/kg	Variable			2.6	2.48	1.36	-	-	-	0.363	-	-	-	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	12378-PBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	123478-HxBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	123678-HxBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	123789-HxBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	1234678-HpBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	OBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	2378-TBDF	ng/kg	Variable			2.65	1.97	0.8	-	-	-	0.7	-	-	-	-	-
	12378-PBDF	ng/kg	Variable			1.7	1.41	<DL	-	-	-	<DL	-	-	-	-	-
	23478-PBDF	ng/kg	Variable			0.98	0.77	<DL	-	-	-	0.5	-	-	-	-	-
	123478-HxBDF	ng/kg	Variable			2	2.3	<DL	-	-	-	<DL	-	-	-	-	-
	123678-HxBDF	ng/kg	Variable			2.53	2.21	<DL	-	-	-	<DL	-	-	-	-	-
	234678-HxBDF	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	123789-HxBDF	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	1234678-HpBDF	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	1234789-HpBDF	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
	OBDF	ng/kg	Variable			<DL	<DL	<DL	-	-	-	<DL	-	-	-	-	-
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None				-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				soil-stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	soil.stones	soil.stones	soil.stones	soil.stones
	Asbestos Level Screen	None				-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02			5.57	4.88	9.25	-	-	-	7.39	9.43	-	-	-	-
Other	Natural Moisture Content	percent	0.1			13.2	21.4	59.5	46	40.4	74.2	61.5	62.1	47.8	32.3	53.4	46.6
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	5	4.52	2.04	0.8	1.81	1.32	0.28	0.39	2.63	1.77	1.69	4.34	2.84
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	2072.452	2070.567	9868.07	-	-	-	1420.246	-	-	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1	0.11	0.1	0.06	-	-	-	0.03	-	-	-	-	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

					Monitoring_Zone	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East
					Location_Code	GTCS 1-27	GTCS 1-28	GTCS2-P049_SOIL	GTCS2-P050_SOIL	GTCS2-P053_SOIL	GTCS2-S211A	GTCS2-S212A	GTCS2-S213A	GTCS2-S214A	GTCS2-S215A	GTCS2-S216A	GTCS2-S217A	GTCS2-S218A	GTCS2-S219A	GTCS2-S220A
					Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.02	0-0.2	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	05/06/2019	05/06/2019	28/09/2020	28/09/2020	28/09/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020
				GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC															
Chem_Group	ChemName	output unit	EQL																	
VOC TIC	VOC TICs	None				<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals	Aluminium	mg/kg	50		77000	19,810	17,950	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.5	79	37	15.4	11.4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	1		460	289	200	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.5	2.2	1.7	1.5	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Boron	mg/kg	0.1	21000	290	2.1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.1	220	22	1.4	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	21	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5	1,500	910	95.8	105.6	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1	12000	2400	72	56	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	5	630	200	439	149	86	149	78	368	86	107	66	81	387	178	162	214	148
	Mercury	mg/kg	0.1	120	23140	0.6	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	0.7	230	130	32.2	36.4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	1	1100	250	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	1	2000	410	66	53	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	5	81000	3700	358	217	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	1		198	-	-	-	-	-	-	3	-	-	-	6	-	-	-	-
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	6400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5	140000000	39000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	7900	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4		2700	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethane	ug/kg	6		7400	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethene	ug/kg	6		820	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7	1800000	8600	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4		5.1	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6		2000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4		5.3	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromoethane	ug/kg	3		36	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloroethane	ug/kg	5	29000	19	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloropropane	ug/kg	4		84	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3		270000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichloropropane	ug/kg	4		1600000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene	ug/kg	5	1400000	870	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromobenzene	ug/kg	2		4700	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromochloromethane	ug/kg	4		150000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromodichloromethane	ug/kg	4		290	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromoform	ug/kg	4		13000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromomethane	ug/kg	1		6800	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	ug/kg	4	950000	130	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorobenzene	ug/kg	4	14000000	2400	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorodibromomethane	ug/kg	5		8300	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroethane	ug/kg	6		18000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	ug/kg	5	2500000	3400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloromethane	ug/kg	3		13	5	7	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7		370	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibromomethane	ug/kg	4		24000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2		87000	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichloromethane	ug/kg	30		1700	<30	<30	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethylbenzene	ug/kg	3	25000000	260000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isopropylbenzene	ug/kg	3		64000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	MTBE	ug/kg	6		160000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-butylbenzene	ug/kg	4		3900000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-propylbenzene	ug/kg	4		1900000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	sec-butylbenzene	ug/kg	4		7800000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Styrene	ug/kg	3		43000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	tert-butylbenzene	ug/kg	5		7800000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethene	ug/kg	3	1400000	900	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Toluene	ug/kg	3	56000000	660000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3		700	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethene	ug/kg	5	120000	75	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	ug/kg	3		23000000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (m & p)	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (o)	ug/kg	4	43000000	330000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vinyl chloride	ug/kg	2	3500	1.4	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon disulfide	mg/kg	0.003	11000	0.62	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs	Dibenzo(a,e)pyrene	ug/kg			42	-	-	70	130	180	-	-	-	-	-	-	-	-	-	-
	2-methylnaphthalene	ug/kg	10		240000	24	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Azobenzene	ug/kg	10		5600	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10		230	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbazole	ug/kg	10			42	22	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzofuran	ug/kg	10		78000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobutadiene	ug/kg	4	25000	1800	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10		1800	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachloroethane	ug/kg	10		1100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		630000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloroaniline	ug/kg	10		2700	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitroaniline	ug/kg	10		27000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		78	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		7200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10		3900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nitrobenzene	ug/kg	10		5100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		97000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chloronaphthalene	ug/kg	10		22000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloro-3-methylphenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenol	ug/kg	10	1300000	380000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		6200000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10		49000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-dichlorophenol	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorophenol	ug/kg	10		390000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorophenol	ug/kg	10	60000	1200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	15000	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4	98000000	130000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4	300000	2300	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4	17000000	350000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobenzene	ug/kg	10	16000	4900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1100000	762	327	-	-	-	-	-	-	-	-	-	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100		7200000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diethylphthalate	ug/kg	100		570000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dimethyl phthalate	ug/kg	100		16400	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100		67000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100		3100000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10		570000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC TIC	SVOC TICs	None				0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2:5,10-Dibenzopyrene	ug/kg				-	-	60	110	150	-	-	-	-	-	-	-	-	-	-
	1,4:8,9-Dibenzopyrene	ug/kg				-	-	10	10	20	-	-	-	-	-	-	-	-	-	-
	benzo(c)fluorene	mg/kg				-	-	0.09	0.01	0.06	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg				-	-	250	130	420	-	-	-	-	-	-	-	-	-	-
	Benzo(e)pyrene	ug/kg				-	-	330	730	1090	-	-	-	-	-	-	-	-	-	-
	Benzo[ghi]fluoranthene	ug/kg				-	-	270	200	510	-	-	-	-	-	-	-	-	-	-
	Chrysene, 5-methyl -	ug/kg				-	-	<10	<20	<30	-	-	-	-	-	-	-	-	-	-
	Dibenzo(a,j)pyrene	ug/kg				-	-	20	70	70	-	-	-	-	-	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg				-	-	30	80	180	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	1100	<0.05	<0.05	0.03	0.03	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	15000	920	0.08	0.05	0.34	0.2	0.39	0.72	0.22	0.18	0.05	0.05	<0.03	0.05	0.04	0.09	0.1
	Anthracene	mg/kg	0.04	74000	11000	0.14	0.06	0.53	0.25	0.81	0.27	0.29	0.2	0.06	0.1	<0.04	<0.04	0.1	0.11	0.15
	Benz[a]anthracene	mg/kg	0.06	29	13	0.5	0.28	0.41	0.73	1.84	0.9	0.73	0.58	0.24	0.21	0.24	0.23	0.54	0.47	0.63
	Benzo(a) pyrene	mg/kg	0.04			0.55	0.3	0.29	0.77	1.26	1.8	0.94	0.81	0.29	0.23	0.26	0.27	0.61	0.42	0.56
	Benzo[b]fluoranthene	mg/kg	0.05	7.2	3.7	0.73	0.4	0.33	0.79	1.49	2.35	1.22	1.01	0.42	0.37	0.37	0.37	0.76	0.56	0.74
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			1.02	0.56	-	-	-	3.26	1.7	1.4	0.58	0.52	0.52	0.52	1.06	0.78	1.03
	Benzo(g,h,i)perylene	mg/kg	0.04	640	350	0.38	0.22	0.28	0.6	0.9	1.68	0.7	0.68	0.28	0.24	0.26	0.24	0.44	0.32	0.46
	Benzo(k)fluoranthene	mg/kg	0.02	190	100	0.29	0.16	0.14	0.38	0.67	0.91	0.48	0.39	0.16	0.15	0.15	0.15	0.3	0.22	0.29
	Chrysene	mg/kg	0.02	57	27	0.53	0.27	0.45	0.47	0.94	1.11	0.84	0.69	0.29	0.26	0.26	0.26	0.6	0.45	0.51
	Coronene	mg/kg	0.04			0.09	0.07	0.07	0.15	0.14	-	-	-	-	-	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04	0.18	0.3	0.1	0.06	0.05	0.12	0.19	0.25	0.14	0.11	0.05	<0.04	<0.04	<0.04	0.09	0.07	0.12
	Fluoranthene	mg/kg	0.03	3100	890	1.02	0.43	1.49	4.64	4.58	1.37	1.24	1.08	0.39	0.3	0.4	0.38	1.11	0.77	0.83
	Fluorene	mg/kg	0.04	9900	860	<0.04	<0.04	0.07	0.04	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	41	0.37	0.21	0.25	0.56	0.88	1.61	0.7	0.62	0.25	0.22	0.23	0.23	0.42	0.31	0.45
	Naphthalene	mg/kg	0.04	4900	13	<0.04	<0.04	0.07	0.13	0.12	0.46	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	3100	440	0.47	0.17	0.49	0.51	2.01	0.53	0.24	0.21	0.14	0.1	0.14	0.14	0.39	0.25	0.27
	Pyrene	mg/kg	0.03	7400	2000	0.9	0.39	3.21	1.15	2.84	1.43	1.23	1.03	0.35	0.27	0.37	0.35	0.92	0.68	0.76
	PAH 16 Total	mg/kg	0.6			6.1	3	-	-	-	15.4	9	7.6	3	2.5	2.7	2.7	6.3	4.7	5.9
	PAH 17 Total	mg/kg	0.64			6.15	3.07	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Lower	mg/kg				-	-	1.47	2.76	5.53	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg				-	-	1.47	2.76	5.53	-	-	-	-	-	-	-	-	-	-
	Benzo[j]fluoranthene	mg/kg			0.42	-	-	0.17	0.43	0.75	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 52	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 101	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 118	ug/kg	5		120	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 138	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 153	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 180	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35		200	<35	<35	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	0.0713	0.0619	-	-	-	-	0.029	-	-	-	0.0695	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	0.00135	0.00182	-	-	-	-	0.000578	-	-	-	0.0025	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	0.569	0.537	-	-	-	-	0.2	-	-	-	0.657	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	0.00865	0.00947	-	-	-	-	0.00669	-	-	-	0.012	-	-	-	-
	Pentachlorobiphenyl, *2,3',4,4',5-* (PCB 118)	ug/kg	Variable		120	0.434	0.435	-	-	-	-	0.436	-	-	-	0.437	-	-	-	-

					Monitoring_Zone	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East
					Location_Code	GTCS 1-27	GTCS 1-28	GTCS2-P049_SOIL	GTCS2-P050_SOIL	GTCS2-P053_SOIL	GTCS2-S212A	GTCS2-S212A	GTCS2-S213A	GTCS2-S214A	GTCS2-S215A	GTCS2-S216A	GTCS2-S217A	GTCS2-S218A	GTCS2-S220A	GTCS2-S226A
					Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.02	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	05/06/2019	05/06/2019	28/09/2020	28/09/2020	28/09/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020
				GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																
Chem_Group	ChemName	output unit	EQL																		
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	0.0353	0.0324	-	-	-	-	0.00648	-	-	-	0.0223	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	0.0166	0.0154	-	-	-	-	0.00717	-	-	-	0.0192	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	0.262	0.285	-	-	-	-	0.0997	-	-	-	0.33	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	0.0637	0.0695	-	-	-	-	0.0273	-	-	-	0.0997	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	0.108	0.115	-	-	-	-	0.0456	-	-	-	0.148	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	<0.000218	0.000996	-	-	-	-	0.000329	-	-	-	0.00184	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	0.025	0.0239	-	-	-	-	0.0114	-	-	-	0.0313	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			3.88	3.81	-	-	-	-	3.95	-	-	-	7.33	-	-	-	-
	12378-PeCDD	ng/kg	Variable			<0.497	0.475	-	-	-	-	<DL	-	-	-	1.13	-	-	-	-
	123478-HxCDD	ng/kg	Variable			1.05	0.901	-	-	-	-	<DL	-	-	-	1.19	-	-	-	-
	123678-HxCDD	ng/kg	Variable			3.05	3.35	-	-	-	-	2.39	-	-	-	2.76	-	-	-	-
	123789-HxCDD	ng/kg	Variable			1.67	1.55	-	-	-	-	<DL	-	-	-	1.62	-	-	-	-
	1234678-HpCDD	ng/kg	Variable			54.4	66.7	-	-	-	-	91	-	-	-	65.1	-	-	-	-
	OCDD	ng/kg	Variable			359	434	-	-	-	-	655	-	-	-	459	-	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable			5.87	4	-	-	-	-	3.76	-	-	-	5.94	-	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable			5.11	3.71	-	-	-	-	3.08	-	-	-	5.47	-	-	-	-
	OCDF	ng/kg	Variable			32.2	31.9	-	-	-	-	39.1	-	-	-	33.4	-	-	-	-
	2378-TCDD	ng/kg	Variable			<0.432	<0.258	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	12378-PeCDF	ng/kg	Variable			1.57	1.69	-	-	-	-	0.945	-	-	-	1.56	-	-	-	-
	23478-PeCDF	ng/kg	Variable			4.72	0.811	-	-	-	-	<DL	-	-	-	2.78	-	-	-	-
	123478-HxCDF	ng/kg	Variable			2.93	2.25	-	-	-	-	1.55	-	-	-	1.98	-	-	-	-
	123678-HxCDF	ng/kg	Variable			1.77	2.22	-	-	-	-	2.06	-	-	-	1.55	-	-	-	-
	234678-HxCDF	ng/kg	Variable			<0.387	1.78	-	-	-	-	2.14	-	-	-	3.2	-	-	-	-
	123789-HxCDF	ng/kg	Variable			<0.403	<0.26	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	1234678-HpCDF	ng/kg	Variable			28.2	25	-	-	-	-	21.1	-	-	-	30.9	-	-	-	-
	1234789-HpCDF	ng/kg	Variable			1.77	1.43	-	-	-	-	1.1	-	-	-	1.91	-	-	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<0.83	<0.83	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	12378-PBDD	ng/kg	Variable			<0.83	<0.83	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	123478-HxBDD	ng/kg	Variable			<0.84	<0.84	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	123678-HxBDD	ng/kg	Variable			<0.82	<0.82	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	123789-HxBDD	ng/kg	Variable			<0.84	<0.81	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	1234678-HpBDD	ng/kg	Variable			<0.83	<0.83	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	OBDD	ng/kg	Variable			<0.82	<0.85	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	2378-TBDF	ng/kg	Variable			2.26	1.89	-	-	-	-	0.8	-	-	-	0.8	-	-	-	-
	12378-PBDF	ng/kg	Variable			1.6	1.9	-	-	-	-	0.6	-	-	-	<DL	-	-	-	-
	23478-PBDF	ng/kg	Variable			0.95	1.14	-	-	-	-	0.5	-	-	-	<DL	-	-	-	-
	123478-HxBDF	ng/kg	Variable			<0.85	0.88	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	123678-HxBDF	ng/kg	Variable			<0.83	<0.83	-	-	-	-	<DL	-	-	-	0.7	-	-	-	-
	234678-HxBDF	ng/kg	Variable			<0.85	<0.85	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	123789-HxBDF	ng/kg	Variable			<0.84	<0.85	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	1234678-HpBDF	ng/kg	Variable			<0.82	<0.82	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	1234789-HpBDF	ng/kg	Variable			<0.82	<0.83	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
	OBDF	ng/kg	Variable			<0.85	<0.84	-	-	-	-	<DL	-	-	-	<DL	-	-	-	-
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.1		630	<0.1	<0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(2-ethylhexyl) phosphate	mg/kg	0.1		170	0.21	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-
Brominated flame retardents (PBDEs)	2,2',4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,4'-tribromodiphenyl ether (BDE-28)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4'-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,3',4,4'-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',3,4,4'-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,3',4,4',5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		13	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	<0.5	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	<0.5	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.1			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			<500	<500	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	0.7	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None				No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				soil-stones	soil-stones	-	-	-	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone
	Asbestos Level Screen	None				-	-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
SVF / MMMF	Synthetic/MMMF	None				0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			5.09	4.48	-	-	-	-	5.4	-	-	-	5.59	5.94	-	-	-
Inorganics	pH (Lab)	pH units	0.01			7.45	7.29	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			18.3	18.1	-	-	-	47.7	39.7	41.7	25.3	28.8	52.9	52.6	45.5	24.4	65.8
Elsdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	5	0.55	0.3	0.23	0.44	1.05	1.8	0.94	0.81	0.29	0.23	0.26	0.27	0.61	0.42	0.56
	Xylene Total	ug/kg		43000000	310000	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				6.149	5.744	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sum of PCDD/F +PCB12	ng/kg	Variable		8,700	2102.09	2172.963	-	-	-	-	1697.42	-	-	-	2457.16	-	-	-	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

					Monitoring_Zone	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House
					Location_Code	GTC3 1-13	GTC3 1-14	GTC3-P055_SOIL	GTC52-P057_SOIL	GTC52-S222A	GTC52-S222A	GTC52-S223A	GTC52-S223A	GTC52-S224A	GTC52-S225A	GTC52-S226A	GTC52-S227A	GTC52-S228A	GTC52-S229A	GTC52-S230A
					Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02
					Sampled_Date_Time	07/06/2019	07/06/2019	28/09/2020	28/09/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020
				GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC															
Chem_Group	ChemName	output unit	EQL																	
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	-	-	-	-	-	-	-	-	-	-	717	-	
	Bioaccessible Lead – stomach	mg/kg	5			-	-	-	-	-	-	-	-	-	-	-	-	526	-	
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	-	-	-	-	-	-	-	-	-	-	272	-	
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	-	-	-	-	-	-	-	-	73	-	
VOC TIC	VOC TICs	None				<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	
Metals	Aluminium	mg/kg	50		77000	7777	8261	-	-	-	-	-	-	-	-	-	-	-	-	
	Arsenic	mg/kg	0.5	79	37	10.6	12.4	-	-	-	-	-	-	-	-	-	-	-	-	
	Barium	mg/kg	1		460	89	140	-	-	-	-	-	-	-	-	-	-	-	-	
	Beryllium	mg/kg	0.5	2.2	1.7	0.7	0.8	-	-	-	-	-	-	-	-	-	-	-	-	
	Boron	mg/kg	0.1	21000	290	0.9	1.2	-	-	-	-	-	-	-	-	-	-	-	-	
	Cadmium	mg/kg	0.1	220	22	0.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	
	Chromium (hexavalent)	mg/kg	0.3	21	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	-	-	
	Chromium (III+VI)	mg/kg	0.5	1,500	910	102.5	94	-	-	-	-	-	-	-	-	-	-	-	-	
	Copper	mg/kg	1	12000	2400	24	34	-	-	-	-	-	-	-	-	-	-	-	-	
	Lead	mg/kg	5	630	200	101	182	119	137	243	215	139	117	157	132	155	132	705	94	
	Mercury	mg/kg	0.1	120	23140	0.2	0.4	-	-	-	-	-	-	-	-	-	-	-	-	
	Nickel	mg/kg	0.7	230	130	14.7	17.8	-	-	-	-	-	-	-	-	-	-	-	-	
	Selenium	mg/kg	1	1100	250	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	
	Vanadium	mg/kg	1	2000	410	36	43	-	-	-	-	-	-	-	-	-	-	-	-	
	Zinc	mg/kg	5	81000	3700	104	130	-	-	-	-	-	-	-	-	-	-	-	-	
	Antimony	mg/kg	1		198	-	-	-	-	-	-	3	-	-	-	-	3	-	-	
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	6400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	1,1,1-trichloroethane	ug/kg	5	140000000	39000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	7500	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	1,1,2-trichloroethane	ug/kg	4		2700	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloroethane	ug/kg	6		7400	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloroethene	ug/kg	6		820	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	1,2,3-trichlorobenzene	ug/kg	7	1800000	8600	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	
	1,2,3-trichloropropane	ug/kg	4		5.1	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	1,2,4-trimethylbenzene	ug/kg	6		2000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	
	1,2-dibromo-3-chloropropane	ug/kg	4		5.3	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	1,2-dibromoethane	ug/kg	3		36	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	1,2-dichloroethane	ug/kg	5	29000	19	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	1,2-dichloropropane	ug/kg	4		84	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	1,3,5-trimethylbenzene	ug/kg	3		270000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	1,3-dichloropropane	ug/kg	4		1600000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	2-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	4-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	Benzene	ug/kg	5	140000	870	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	Bromobenzene	ug/kg	2		4700	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	
	Bromochloromethane	ug/kg	4		150000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Bromodichloromethane	ug/kg	4		290	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Bromoform	ug/kg	4		13000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Bromomethane	ug/kg	1		6800	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	
	Carbon tetrachloride	ug/kg	4	950000	130	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Chlorobenzene	ug/kg	4	14000000	2400	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Chlorodibromomethane	ug/kg	5		8300	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	Chloroethane	ug/kg	6		18000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	
	Chloroform	ug/kg	5	2500000	3400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	Chloromethane	ug/kg	3		13	5	5	-	-	-	-	-	-	-	-	-	-	-	-	
	cis-1,2-dichloroethene	ug/kg	7		370	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	
	cis-1,3-dichloropropene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Dibromomethane	ug/kg	4		24000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Dichlorodifluoromethane	ug/kg	2		87000	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	
	Dichloromethane	ug/kg	30		1700	<30	<30	-	-	-	-	-	-	-	-	-	-	-	-	
	Ethylbenzene	ug/kg	3	25000000	260000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	Isopropylbenzene	ug/kg	3		64000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	MTBE	ug/kg	6		180000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	
	n-butylbenzene	ug/kg	4		3900000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	n-propylbenzene	ug/kg	4		1900000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	sec-butylbenzene	ug/kg	4		7800000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Styrene	ug/kg	3		43000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	tert-butylbenzene	ug/kg	5		7800000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	Tetrachloroethene	ug/kg	3	1400000	900	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	Toluene	ug/kg	3	56000000	660000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	trans-1,2-dichloroethene	ug/kg	3		700	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	trans-1,3-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichloroethene	ug/kg	5	120000	75	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichlorofluoromethane	ug/kg	3		23000000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	
	Xylene (m &p)	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Xylene (o)	ug/kg	4	43000000	330000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Vinyl chloride	ug/kg	2	3500	1.4	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	
	Carbon disulfide	mg/kg	0.003	11000	0.62	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	-	-	
SVOCs	Dibenzo[a,e]pyrene	ug/kg			42	-	-	110	150	-	-	-	-	-	-	-	-	-	-	
	2-methylnaphthalene	ug/kg	10		240000	<10	21	-	-	-	-	-	-	-	-	-	-	-	-	
	4-bromophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	4-chlorophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	Azobenzene	ug/kg	10		5600	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	Bis(2-chloroethoxy) methane	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	Bis(2-chloroethyl)ether	ug/kg	10		230	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	Carbazole	ug/kg	10			35	69	-	-	-	-	-	-	-	-	-	-	-	-	
	Dibenzofuran	ug/kg	10		78000	<10	17	-	-	-	-	-	-	-	-	-	-	-	-	
	Hexachlorobutadiene	ug/kg	4	25000	1600	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Hexachlorocyclopentadiene	ug/kg	10		1800	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	Hexachloroethane	ug/kg	10		1100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
SVOC - Anilines	2-nitroaniline	ug/kg	10		630000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	3-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	4-chloroaniline	ug/kg	10		2700	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	4-nitroaniline	ug/kg	10		27000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		78	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		7200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	2,6-dinitrotoluene	ug/kg	10		3900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	Nitrobenzene	ug/kg	10		5100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		97000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	2-chloronaphthalene	ug/kg	10		22000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	2-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	2-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	4-chloro-3-methylphenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	4-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	4-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	Phenol	ug/kg	10	13000000	380000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	2,4,6-trichlorophenol	ug/kg	10		49000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	2,4-dichlorophenol	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	2-chlorophenol	ug/kg	10		390000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
	Pentachlorophenol	ug/kg	10	60000	1200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	15000	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	
	1,2-dichlorobenzene	ug/kg	4	98000000	130000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	1,3-dichlorobenzene	ug/kg	4	300000	2300	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	1,4-dichlorobenzene	ug/kg	4	17000000	350000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
	Hexachlorobenzene	ug/kg	10	16000	4900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1100000	<100	120	-	-	-	-	-	-	-	-	-	-	-	-	
	Butyl benzyl phthalate	ug/kg	100		7200000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	
	Diethylphthalate	ug/kg	100		5700000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	
	Dimethyl phthalate	ug/kg	100		16400	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	
	Di-n-butyl phthalate	ug/kg	100		67000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	
	Di-n-octyl phthalate	ug/kg	100		3100000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	
SVOC - Solvents	Isophorone	ug/kg	10		570000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	
SVOC TIC	SVOC TICs	None				0	-			-	-	-	-	-	-	-	-	-	-	
	1,2:9,10-Dibenzopyrene	ug/kg				-	-	80	120	-	-	-	-	-	-	-	-	-	-	
	1,4:8,9-Dibenzopyrene	ug/kg				-	-	10	<30	-	-	-	-	-	-	-	-	-	-	
	benzo(c)Fluorene	mg/kg				-	-	<0.01	0.04	-	-	-	-	-	-	-	-	-	-	
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg				-	-	170	210	-	-	-	-	-	-	-	-	-	-	
	Benzo(e)pyrene	ug/kg	100			-	848	680	790	-	-	-	-	-	-	-	-	-	-	
	Benzo[ghi]fluoranthene	ug/kg				-	-	260	350	-	-	-	-	-	-	-	-	-	-	
	Chrysene, 5-methyl-	ug/kg				-	-	<20	<20	-	-	-	-	-	-	-	-	-	-	
	Dibenzo(a,j)pyrene	ug/kg				-	-	70	60	-	-	-	-	-	-	-	-	-	-	
	Dibenzo[def,mno]chrysene	ug/kg				-	-	110	120	-	-	-	-	-	-	-	-	-	-	
	Heneicosane	ug/kg	100			-	954	-	-	-	-	-	-	-	-	-	-	-	-	
	p-Cymene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	
PAH	Acenaphthene	mg/kg	0.05	15000	1100	<0.05	<0.05	0.08	0.05	0.09	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	15000	920	0.07	0.07	0.17	<0.26	0.15	0.13	0.1	0.07	<0.03	0.07	0.32	0.13	0.16	<0.03	
	Anthracene	mg/kg	0.04	74000	11000	0.12	0.11	0.31	0.34	0.39	0.31	0.07	0.07	0.07	0.09	0.48	0.16	0.21	0.09	
	Benz(a)anthracene	mg/kg	0.06	29	13	0.85	0.65	1.05	1.44	1.56	1.38	0.47	0.44	0.37	0.54	0.65	1.62	0.76	1.05	0.48
	Benzo(a) pyrene	mg/kg	0.04			0.76	0.87	0.79	0.93	1.64	1.59	0.59	0.62	0.5	0.68	1.69	0.87	1.11	0.53	
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	3.7	1.09	1.16	0.73	0.88	2.12	2.1	0.83	0.8	0.65	0.88	2.15	1.1	1.42	0.74	
	Benzo(bj)&(k)Fluoranthene	mg/kg	0.07			1.51	1.61	-	-	2.94	2.91	1.15	1.11	0.9	1.22	2.98	1.53	1.97	1.03	
	Benzo(g,h,i)perylene	mg/kg	0.04	640	350	0.54	0.64	0.54	0.71	1.12	1.14	0.55	0.53	0.37	0.5	1.23	0.6	0.75	0.42	
	Benzo(k)fluoranthene	mg/kg	0.02	190	100	0.42	0.45	0.39	0.44	0.82	0.81	0.32	0.31	0.25	0.34	0.83	0.43	0.55	0.29	
	Chrysene	mg/kg	0.02	57	27	0.62	0.68	0.47	0.45	1.5	1.37	0.44	0.46	0.4	0.59	1.5	0.72	0.98	0.42	
	Coronene	mg/kg	0.04			0.12	0.15	0.11	0.14	-	-	-	-	-	-	-	-	-	-	
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	0.3	0.1	0.17	0.11	0.16	0.19	0.22	0.09	0.09	0.06	0.09	0.23	0.12	0.16	0.14	0.07
	Fluoranthene	mg/kg	0.03	3100	890	1.2	1.25	1.87	1.53	3.09	2.55	0.49	0.58	0.64	1.01	3.28	1.32	1.87	0.92	
	Fluorene	mg/kg	0.04	9900	860	<0.04	<0.04	0.09	0.05	0.09	0.08	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<0.04	<0.04	
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	41	0.53	0.57	0.57	0.78	1.18	1.14	0.53	0.53	0.37	0.5	1.33	0.65	0.84	0.44	
	Naphthalene	mg/kg	0.04	4900	13	<0.04	<0.04	0.09	0.12	0.09	0.09	<0.04	<0.04	<0.04	<0.04	0.06	<0.04	<0.04	<0.04	
	Phenanthrene	mg/kg	0.03	3100	440	0.34	0.36	1.1	0.81	1.36	1.07	0.13	0.16	0.19	0.32	1.43	0.37	0.61	0.31	
	Pyrene	mg/kg	0.03	7400	2000	1.04	1.12	1.51	1.29	2.55	2.19	0.44	0.55	0.54	0.89	2.76	1.16	1.66	0.77	
	PAH 16 Total	mg/kg	0.6			7.7	8.1	-	-	17.9	16.3	5.1	5.2	4.4	6.5	19	8.4	11.4	5.5	
	PAH 17 Total	mg/kg	0.64			7.8	8.25	-	-	-	-	-	-	-	-	-	-	-	-	
	PAH 4 SUM Lower	mg/kg				-	-	3.05	3.69	-	-	-	-	-	-	-	-	-	-	
	PAH 4 SUM Upper	mg/kg				-	-	3.05	3.69	-	-	-	-	-	-	-	-	-	-	
	Benzo(j)fluoranthene	mg/kg			0.42	-	-	0.4	0.47	-	-	-	-	-	-	-	-	-	-	
PCB (Dutch 7) congeners	PCB 28	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	PCB 52	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	PCB 101	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	PCB 118	ug/kg	5		120	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	PCB 138	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	
	PCB 153	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	

						Monitoring_Zone	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House	24. Allom House and Barlow House
						Location_Code	GTC3 1-13	GTC3 1-14	GTC3-P056_SOIL	GTC52-P057_SOIL	GTC52-S221A	GTC52-S222A	GTC52-S223A	GTC52-S224A	GTC52-S225A	GTC52-S226A	GTC52-S227A	GTC52-S228A	GTC52-S229A	GTC52-S230A
						Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02
						Sampled_Date_Time	07/06/2019	07/06/2019	28/09/2020	28/09/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020
					GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC														
Chem_Group	ChemName	output unit	EQL																	
	PCB 180	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35			200	<35	<35	-	-	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable			38	0.0196	0.0269	-	-	-	-	0.107	-	-	-	-	0.0106	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable			12	<0.00023	0.000385	-	-	-	-	0.00409	-	-	-	-	0.000652	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable			120	0.118	0.109	-	-	-	-	0.416	-	-	-	-	0.0542	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable			120	0.00549	0.00189	-	-	-	-	0.0144	-	-	-	-	0.00224	-	-
	Pentachlorobiphenyl, *2,3',4,4',5- (PCB 118)*	ug/kg	Variable			120	0.438	0.439	-	-	-	-	0.44	-	-	-	-	0.441	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable			120	0.00445	0.00435	-	-	-	-	0.0108	-	-	-	-	0.00241	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable			0.036	0.00175	0.00334	-	-	-	-	0.0119	-	-	-	-	0.00132	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable			120	0.0591	0.0486	-	-	-	-	0.179	-	-	-	-	0.0247	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable			120	0.0162	0.0161	-	-	-	-	0.0564	-	-	-	-	0.00789	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable			120	0.0271	0.0238	-	-	-	-	0.0792	-	-	-	-	0.0139	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable			0.12	0.000376	0.000561	-	-	-	-	0.00107	-	-	-	-	0.000428	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable			130	0.057	0.00662	-	-	-	-	0.0185	-	-	-	-	0.00442	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable				<0.469	<0.436	-	-	-	-	2.54	-	-	-	-	2.15	-	-
	12378-PeCDD	ng/kg	Variable				<0.507	<0.392	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxCDD	ng/kg	Variable				<0.36	<0.725	-	-	-	-	1.11	-	-	-	-	0.661	-	-
	123678-HxCDD	ng/kg	Variable				1.28	<0.793	-	-	-	-	4.8	-	-	-	-	1.12	-	-
	123789-HxCDD	ng/kg	Variable				0.595	<0.817	-	-	-	-	2.36	-	-	-	-	0.641	-	-
	1234678-HpCDD	ng/kg	Variable				48.8	42.7	-	-	-	-	222	-	-	-	-	30.8	-	-
	OCDD	ng/kg	Variable				388	340	-	-	-	-	1660	-	-	-	-	232	-	-
	TEQ(1) (NATO)	ng/kg	Variable				1.99	2	-	-	-	-	7.62	-	-	-	-	2.03	-	-
	TEQ(2) (NATO)	ng/kg	Variable				1.26	1.06	-	-	-	-	7.3	-	-	-	-	1.64	-	-
	OCDF	ng/kg	Variable				31.7	19.6	-	-	-	-	65	-	-	-	-	18.8	-	-
	2378-TCDD	ng/kg	Variable				<0.182	<0.164	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	12378-PeCDF	ng/kg	Variable				<0.267	<0.284	-	-	-	-	1.71	-	-	-	-	0.794	-	-
	23478-PeCDF	ng/kg	Variable				<0.229	<0.249	-	-	-	-	2	-	-	-	-	<DL	-	-
	123478-HxCDF	ng/kg	Variable				<0.2	<0.373	-	-	-	-	3.14	-	-	-	-	2.21	-	-
	123678-HxCDF	ng/kg	Variable				<0.196	<0.42	-	-	-	-	2.8	-	-	-	-	1.34	-	-
	234678-HxCDF	ng/kg	Variable				<0.18	<0.404	-	-	-	-	2.62	-	-	-	-	0.841	-	-
	123789-HxCDF	ng/kg	Variable				<0.22	<0.496	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpCDF	ng/kg	Variable				17	26.4	-	-	-	-	33.5	-	-	-	-	13.9	-	-
	1234789-HpCDF	ng/kg	Variable				<0.423	0.912	-	-	-	-	2.57	-	-	-	-	0.837	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable				<0.8	<0.78	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	12378-PeBDD	ng/kg	Variable				<0.83	<0.83	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxBDD	ng/kg	Variable				<0.79	<0.77	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	123678-HxBDD	ng/kg	Variable				<0.78	<0.78	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	123789-HxBDD	ng/kg	Variable				<0.8	<0.8	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpBDD	ng/kg	Variable				<0.82	<0.81	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	OBDD	ng/kg	Variable				<0.8	<0.8	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	2378-TBDF	ng/kg	Variable				<0.82	<0.8	-	-	-	-	1	-	-	-	-	0.9	-	-
	12378-PeBDF	ng/kg	Variable				1.22	0.97	-	-	-	-	0.8	-	-	-	-	0.5	-	-
	23478-PeBDF	ng/kg	Variable				0.85	1.26	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxBDF	ng/kg	Variable				<0.79	<0.79	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	123678-HxBDF	ng/kg	Variable				<0.8	<0.8	-	-	-	-	0.5	-	-	-	-	<DL	-	-
	234678-HxBDF	ng/kg	Variable				<0.8	<0.8	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	123789-HxBDF	ng/kg	Variable				<0.78	<0.79	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpBDF	ng/kg	Variable				1.03	1.31	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	1234789-HpBDF	ng/kg	Variable				<0.79	<0.78	-	-	-	-	<DL	-	-	-	-	<DL	-	-
	OBDF	ng/kg	Variable				<0.83	<0.84	-	-	-	-	<DL	-	-	-	-	<DL	-	-
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.15			630	<0.15	<0.15	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(2-ethylhexyl) phosphate	mg/kg	1			170	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
Brominated flame retaidents (PBDEs)	2,2',4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,4'-tribromodiphenyl ether (BDE-28)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4'-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1			6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	2,3',4,4'-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',3,4,4'-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1			6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1			13	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-
	Methyl isocyanate	ug/kg	250			4600	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-
	Ethyl isocyanate	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-
	Propyl isocyanate	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-
	Phenyl isocyanate	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-
	Hexamethylene di-isocyanate	ug/kg	250			3100	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250			6400	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250			5300	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500				<500	<500	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250			850000000	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5			20	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5			23	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6			20	0.8	0.6	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None					No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None					No Asbestos Detected	No Asbestos Detected	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Containing Material (2)	None							-	-	No Asbestos Detected	-	-	-	-	-	-	No Asbestos Detected	-	No Asbestos Detected
	Asbestos fibres	None					No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None					-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (3)	None					-	-	-	-	No Asbestos Detected	-	-	-	-	-	-	No Asbestos Detected	-	No Asbestos Detected
	Asbestos Type	None					No Asbestos Detected	No Asbestos Detected	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type 2	None							-	-	No Asbestos Detected							No Asbestos Detected		No Asbestos Detected
	General Description (Bulk Analysis)	None					soil-stones	soil-stones	-	-	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	Soil/Stone	Soil/Stones	Soil/Stone
	Asbestos Level Screen	None					-	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
SVF / MMMF	Synthetic/MMMF	None					1	1	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02				2.75	2.84	-	-	-	-	10.25	-	-	-	-	3.97	5.89	-
Inorganics	pH (Lab)	pH units	0.01				7.49	7.62	-	-	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1				9.9	6.8	-	-	24.6	29.3	47.8	82.1	42.9	31.5	29.2	30.5	41.8	83.4
Eldat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg	1	10	5		0.76	0.87	0.45	0.79	1.64	1.59	0.59	0.62	0.5	0.68	1.69	0.87	1.11	0.53
	Xylene Total	ug/kg		43000000	310000		0	0	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200		0	0	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg					1.476	1.595	-	-	-	-	-	-	-	-	-	-	-	-
	Sum of PCDD/F +PCB12	ng/kg	Variable		8,700		1187.691	1113.218	-	-	-	-	3359.23	-	-	-	-	871.524	-	-
AECOM Calculated	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1		0.01	0.02	-	-	-	-	0.07	-	-	-	-	0.02	-	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria
- : Not analysed
HH: Human Health

						Monitoring_Zone	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House
						Location_Code	GTC5 1-11	GTC5 1-12	GTC52-P062_SOIL	GTC52-P064_SOIL	GTC52-P065_SOIL	GTC52-5231A	GTC52-5232A	GTC52-5233A	GTC52-5234A	GTC52-5235A	GTC52-5236A	GTC52-5237A	GTC52-5238A	GTC52-5239A	GTC52-5240A
						Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.2	0-0.2	0-0.2	0-0.05	0-0.02	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02
						Sampled_Date_Time	06/06/2019	06/06/2019	30/09/2020	30/09/2020	30/09/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020
				GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																
Chem_Group	**ChemName**	**output unit**	**EQL**																		
BARGE	Lead – total (BARGE method)	mg/kg	5				-	-	-	-	-	-	-	-	-	-	-	-	-	-	452
	Bioaccessible Lead – stomach	mg/kg	5				-	-	-	-	-	-	-	-	-	-	-	-	-	-	334
	Bioaccessible Lead – stomach and intestine	mg/kg	5				-	-	-	-	-	-	-	-	-	-	-	-	-	-	159
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0				-	-	-	-	-	-	-	-	-	-	-	-	-	-	74
VOC TIC	VOC TICs	None					<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals	Aluminium	mg/kg	50		77000		8683	10,180	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.5	79	37		9.6	11.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	1		460		124	153	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.5	2.2	1.7		0.8	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-
	Boron	mg/kg	0.1	21000	290		2.5	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.1	220	22		0.6	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	21	21		<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5	1,500	910		132.8	84.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1	12000	2400		39	62	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	5	630	200		197	131	428	1148	35	249	36	51	257	358	421	33	29	407	997
	Mercury	mg/kg	0.1	120	23140		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	0.7	230	130		21.8	23.4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	1	1100	250		1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	1	2000	410		40	47	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	5	81000	3700		391	189	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	1		198		-	-	-	-	-	-	-	-	6	-	-	-	-	7	-
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	6400		<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5	140000000	39000		<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	7500		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4		2700		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethane	ug/kg	6		7400		<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethene	ug/kg	6		820		<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloropropene	ug/kg	3				<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7	1800000	8600		<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4		5.1		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6		2000		<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4		5.3		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromoethane	ug/kg	3		36		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloroethane	ug/kg	5	29000	19		<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloropropane	ug/kg	4		84		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3		270000		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichloropropane	ug/kg	4		1600000		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2-dichloropropane	ug/kg	4				<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorotoluene	ug/kg	3		1600000		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorotoluene	ug/kg	3		1600000		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene	ug/kg	5	140000	870		<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromobenzene	ug/kg	2		4700		<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromochloromethane	ug/kg	4		150000		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromodichloromethane	ug/kg	4		290		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromoform	ug/kg	4		13000		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromomethane	ug/kg	1		6800		<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	ug/kg	4	950000	130		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorobenzene	ug/kg	4	14000000	2400		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorodibromomethane	ug/kg	5		8300		<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroethane	ug/kg	6		18000		<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	ug/kg	5	2500000	3400		<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloromethane	ug/kg	3		13		17	20	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7		370		<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4				<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibromomethane	ug/kg	4		24000		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2		87000		<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichloromethane	ug/kg	30		1700		<30	<30	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethylbenzene	ug/kg	3	25000000	2600000		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isopropylbenzene	ug/kg	3		64000		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	MTBE	ug/kg	6		160000		<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-butylbenzene	ug/kg	4		3900000		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-propylbenzene	ug/kg	4		190000		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	sec-butylbenzene	ug/kg	4		7800000		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Styrene	ug/kg	3		43000		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	tert-butylbenzene	ug/kg	5		7800000		<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethene	ug/kg	3	1400000	900		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Toluene	ug/kg	3	56000000	660000		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3		700		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3				<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethene	ug/kg	5	120000	75		<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	ug/kg	3		23000000		<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (m & p)	ug/kg	4				<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (o)	ug/kg	4	43000000	330000		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vinyl chloride	ug/kg	2	3500	1.4		<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon disulfide	mg/kg	0.003	11000	0.62		<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs	Dibenzo[a,e]pyrene	ug/kg	10		42		-	-	160	140	30	-	-	-	-	-	-	-	-	-	-
	2-methylnaphthalene	ug/kg	10		240000		<10	21	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10				<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10				<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Azobenzene	ug/kg	10		5600		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10		190000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10		230		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbazole	ug/kg	10				61	67	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzofuran	ug/kg	10		78000		12	16	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobutadiene	ug/kg	4	25000	1600		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10		1800		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachloroethane	ug/kg	10		1100		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		630000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-nitroaniline	ug/kg	10				<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloroaniline	ug/kg	10		2700		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitroaniline	ug/kg	10		27000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		78		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		7200		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10		3900		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nitrobenzene	ug/kg	10		5100		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		97000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chloronaphthalene	ug/kg	10		22000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylphenol	ug/kg	10		400		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-nitrophenol	ug/kg	10				<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloro-3-methylphenol	ug/kg	10		6300000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-methylphenol	ug/kg	10		400		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitrophenol	ug/kg	10				<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenol	ug/kg	10	1300000	380000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		6300000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10		49000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-dichlorophenol	ug/kg	10		190000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorophenol	ug/kg	10		390000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorophenol	ug/kg	10	60000	1200		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	15000		<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4	98000000	130000		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4	300000	2300		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4	17000000	350000		<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobenzene	ug/kg	10	16000	4900		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1100000		210	408	-	-	-	-	-	-	-	-	-	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100		7200000		<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diethylphthalate	ug/kg	100		5700000		<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dimethyl phthalate	ug/kg	100		16400		<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100		67000		<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100		3100000		<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10		5700000		<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC TIC	1,2,9,10-Dibenzopyrene	ug/kg					-	-	130	100	20	-	-	-	-	-	-	-	-	-	-
	1,4:8,9-Dibenzopyrene	ug/kg					-	-	<40	<10	<10	-	-	-	-	-	-	-	-	-	-
	1,1-Sulfonylbis (4-chlorobenzene)	ug/kg	100		51000		266	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	benzo(c)fluorene	mg/kg					-	-	0.04	0.02	<0.01	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg					-	-	180	130	10	-	-	-	-	-	-	-	-	-	-
	Benzo(e)pyrene	ug/kg	100				-	882	810	590	170	-	-	-	-	-	-	-	-	-	-
	Benzo(jkl)fluoranthene	ug/kg					-	-	310	240	30	-	-	-	-	-	-	-	-	-	-
	Chrysene, 5-methyl-	ug/kg					-	-	<20	<10	<10	-	-	-	-	-	-	-	-	-	-
	Dibenzo[a,i]pyrene	ug/kg					-	-	60	40	<10	-	-	-	-	-	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg					-	-	130	70	10	-	-	-	-	-	-	-	-	-	-
	Heptadecane	ug/kg	100				-	1514	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4				<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	1100		<0.05	<0.05	0.03	0.02	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	0.08	0.22
	Acenaphthylene	mg/kg	0.03	15000	920		0.12	0.07	<0.25	<0.15	<0.03	0.06	<0.03	<0.03	0.08	0.18	0.51	<0.03	<0.03	0.28	0.43
	Anthracene	mg/kg	0.04	74000	11000		0.07	0.12	0.25	0.16	0.02	0.06	<0.04	<0.04	0.12	0.28	0.6	<0.04	<0.04	0.63	0.87
	Benz[a]anthracene	mg/kg	0.06	29	13		1.16	0.76	1.15	0.84	0.08	0.19	<0.06	<0.06	0.61	0.96	2.25	0.11	<0.06	1.61	2.46
	Benzo(a) pyrene	mg/kg	0.04				0.93	0.63	0.88	0.54	0.11	0.26	0.05	0.07	0.59	1.33	3.01	0.12	0.05	1.93	3.77
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	3.7		1.45	0.93	0.92	0.64	0.15	0.37	0.08	0.09	0.86	1.71	3.93	0.18	0.07	2.55	4.92
	Benzo(b&j)fluoranthene	mg/kg	0.07				2.02	1.29	-	-	-	0.51	0.11	0.13	1.2	2.38	5.46	0.25	0.1	3.54	6.83
	Benzo(g,h,i)perylene	mg/kg	0.04	640	350		0.78	0.53	0.72	0.59	0.14	0.22	0.07	0.08	0.56	0.95	2.28	0.11	0.05	1.39	2.85
	Benzo(k)fluoranthene	mg/kg	0.02	190	100		0.57	0.36	0.44	0.26	0.06	0.14	0.03	0.04	0.34	0.67	1.53	0.07	0.03	0.99	1.91
	Chrysene	mg/kg	0.02	57	27		0.79	0.49	0.47	0.32	0.08	0.25	0.05	0.05	0.52	1.27	2.76	0.13	0.05	1.93	3.46
	Coronene	mg/kg	0.04				0.16	0.12	0.16	0.16	0.04	-	-	-	-	-	-	-	-	-	-
	Dibenz[a,h]anthracene	mg/kg	0.04	0.58	0.3		0.16	0.12	0.16	0.12	0.03	<0.04	<0.04	<0.04	0.12	0.19	0.42	<0.04	<0.04	0.28	0.59
	Fluoranthene	mg/kg	0.03	3100	890		0.87	0.96	1.46	0.83	0.11	0.32	0.04	0.08	0.93	2.31	4.66	0.15	0.05	3.78	6.48
	Fluorene	mg/kg	0.04	9900	860		<0.04	<0.04	0.03	0.02	<0.01	<0.04	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<0.04	0.11	0.17
	Indeno[1,2,3-c,d]pyrene	mg/kg	0.04	82	41		0.78	0.49	0.76	0.54	0.13	0.21	0.05	0.07	0.5	0.95	2.25	0.11	0.05	1.36	2.78
	Naphthalene	mg/kg	0.04	4900	13		<0.04	<0.04	0.25	0.14	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<0.04	0.16	0.13
	Phenanthrene	mg/kg	0.03	3100	440		0.22	0.33	0.7	0.33	0.02	0.1	<0.03	0.04	0.38	0.74	1.43	0.04	<0.03	1.66	2.59
	Pyrene	mg/kg	0.03	7400	2000		0.79	0.84	1.16	0.7	0.11	0.28	0.04	0.07	0.76	2.04	4.07	0.13	0.04	3.28	5.64
	PAH 16 Total	mg/kg	0.6				8.7	6.6	-	-	-	2.5	<0.6	<0.6	6.4	13.6	29.9	1.2	<0.6	22	39.3
	PAH 17 Total	mg/kg	0.64				8.85	6.75	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Lower	mg/kg					-	-	3.42	2.35	0.43	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg					-	-	3.42	2.35	0.43	-	-	-	-	-	-	-	-	-	-
	Benzo[j]fluoranthene	mg/kg			0.42		-	-	0.48	0.3	0.07	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 52	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 101	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 118	ug/kg	5		120		<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-

						Monitoring_Zone	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House
						Location_Code	GTC5 1-11	GTC5 1-12	GTC52-P062_SOIL	GTC52-P064_SOIL	GTC52-P065_SOIL	GTC52-5231A	GTC52-5232A	GTC52-5233A	GTC52-5234A	GTC52-5235A	GTC52-5236A	GTC52-5237A	GTC52-5238A	GTC52-5239A	GTC52-5240A
						Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.2	0-0.2	0-0.2	0-0.05	0-0.02	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02
						Sampled_Date_Time	06/06/2019	06/06/2019	30/09/2020	30/09/2020	30/09/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020
				GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																
Chem_Group	**ChemName**	**output unit**	**EQL**																		
	PCB 138	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 153	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 180	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35		200	<35	<35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	0.134	0.0693	-	-	-	-	-	-	0.187	-	-	-	-	0.0225	-	
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	0.00523	0.00346	-	-	-	-	-	-	0.00901	-	-	-	-	0.000967	-	
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	0.743	0.587	-	-	-	-	-	-	1.02	-	-	-	-	0.219	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	0.0174	0.0124	-	-	-	-	-	-	0.0219	-	-	-	-	0.00451	-	
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	0.442	0.443	-	-	-	-	-	-	0.444	-	-	-	-	0.445	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	0.0373	0.0275	-	-	-	-	-	-	0.0209	-	-	-	-	0.0103	-	
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	0.0117	0.0149	-	-	-	-	-	-	0.011	-	-	-	-	0.00427	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	0.262	0.231	-	-	-	-	-	-	0.34	-	-	-	-	0.114	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	0.0602	0.0511	-	-	-	-	-	-	0.0811	-	-	-	-	0.0293	-	
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	0.0995	0.0983	-	-	-	-	-	-	0.122	-	-	-	-	0.0494	-	
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	<0.000353	0.000258	-	-	-	-	-	-	0.000489	-	-	-	-	0.0008	-	
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	0.023	0.0288	-	-	-	-	-	-	0.0228	-	-	-	-	0.0192	-	
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			<0.664	<0.539	-	-	-	-	-	-	2.04	-	-	-	-	6.78	-	
	12378-PeCDD	ng/kg	Variable			7.21	0.96	-	-	-	-	-	-	3.28	-	-	-	-	1.35	-	
	123478-HxCDD	ng/kg	Variable			18.6	1.49	-	-	-	-	-	-	8.23	-	-	-	-	2.01	-	
	123678-HxCDD	ng/kg	Variable			33.5	6.11	-	-	-	-	-	-	15.8	-	-	-	-	7.44	-	
	123789 HxCDD	ng/kg	Variable			36.4	4.33	-	-	-	-	-	-	17.4	-	-	-	-	4.34	-	
	1234678-HpCDD	ng/kg	Variable			1350	191	-	-	-	-	-	-	596	-	-	-	-	170	-	
	OCDD	ng/kg	Variable			10,200	1440	-	-	-	-	-	-	4580	-	-	-	-	1290	-	
	TEQ(1) (NATO)	ng/kg	Variable			37.8	8.59	-	-	-	-	-	-	19.4	-	-	-	-	11.4	-	
	TEQ(2) (NATO)	ng/kg	Variable			37.4	8.28	-	-	-	-	-	-	19.1	-	-	-	-	11	-	
	OCDF	ng/kg	Variable			74.6	59.1	-	-	-	-	-	-	51	-	-	-	-	58.7	-	
	2378-TCDD	ng/kg	Variable			<0.289	<0.213	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	12378-PeCDF	ng/kg	Variable			<0.362	3.04	-	-	-	-	-	-	2.28	-	-	-	-	4.21	-	
	23478-PeCDF	ng/kg	Variable			0.725	3.26	-	-	-	-	-	-	2.58	-	-	-	-	5.39	-	
	123478-HxCDF	ng/kg	Variable			1.91	3.23	-	-	-	-	-	-	2.52	-	-	-	-	6.21	-	
	123678-HxCDF	ng/kg	Variable			<0.335	2.85	-	-	-	-	-	-	2.41	-	-	-	-	5.57	-	
	234678-HxCDF	ng/kg	Variable			0.85	4.16	-	-	-	-	-	-	2.98	-	-	-	-	5.52	-	
	123789-HxCDF	ng/kg	Variable			<0.368	<0.368	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	1234678-HpCDF	ng/kg	Variable			42.2	38.3	-	-	-	-	-	-	32.6	-	-	-	-	56	-	
	1234789-HpCDF	ng/kg	Variable			3.16	1.94	-	-	-	-	-	-	2.71	-	-	-	-	2.23	-	
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<0.77	<0.8	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	12378-PBDD	ng/kg	Variable			<0.8	<0.78	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	123478-HxBDD	ng/kg	Variable			<0.8	<0.8	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	123678-HxBDD	ng/kg	Variable			<0.76	<0.78	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	123789-HxBDD	ng/kg	Variable			<0.78	<0.75	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	1234678-HpBDD	ng/kg	Variable			<0.8	<0.83	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	OBDD	ng/kg	Variable			<0.82	<0.81	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	2378-TBDF	ng/kg	Variable			2.91	1.76	-	-	-	-	-	-	1.2	-	-	-	-	<DL	-	
	12378-PBDF	ng/kg	Variable			1.06	1.28	-	-	-	-	-	-	0.7	-	-	-	-	<DL	-	
	23478-PBDF	ng/kg	Variable			0.77	1.25	-	-	-	-	-	-	0.5	-	-	-	-	<DL	-	
	123478-HxBDF	ng/kg	Variable			0.69	0.8	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	123678-HxBDF	ng/kg	Variable			1.04	1.33	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	234678-HxBDF	ng/kg	Variable			<0.81	<0.8	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	123789-HxBDF	ng/kg	Variable			<0.8	<0.84	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	1234678-HpBDF	ng/kg	Variable			<0.8	<0.8	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	1234789-HpBDF	ng/kg	Variable			<0.84	<0.78	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
	OBDF	ng/kg	Variable			<0.82	<0.85	-	-	-	-	-	-	<DL	-	-	-	-	<DL	-	
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.1		630	<0.1	<0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Tris(2-ethylhexyl) phosphate	mg/kg	0.1		170	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Brominated flame retardents (PBDEs)	2,2",4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,4,4"-tribromodiphenyl ether (BDE-28)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2",4,4"-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,3",4,4"-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2",3,4,4"-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2",4,4",5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2",4,4",6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2",3,4,4",5"-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2",4,4",5,5"-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		13	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Isocyanates	Isocyanic Acid	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Methyl Isocyanate	ug/kg	250		4600	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Ethyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Propyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Phenyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hexamethylene diisocyanate	ug/kg	250		3100	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,4-Toluene Diisocyanate	ug/kg	250		6400	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2,6-Toluenediisocyanate	ug/kg	250		5300	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Isophorone Diisocyanate	ug/kg	500			<500	<500	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4,4-Methylene-bis(phenyl isocyanate)	ug/kg	250		850000000	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cyanides	Cyanide (Free)	mg/kg	0.5		20	<0.5	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Cyanide Total	mg/kg	0.5		23	1	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Thiocyanate	mg/kg	0.6		20	1	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	
Asbestos	Asbestos Level	None				No Asbestos Detected	No Asbestos Detected	-	-	-											
	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None				No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None						-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				Soil/Stones	Soil/Stones	-	-	-	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	soil.stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones
	Asbestos Level Screen	None						-	-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
SVF / MMMF	Synthetic/MMMF	None				1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			6.59	7.82	-	-	-	-	-	-	6.33	-	-	-	-	5.62	6.11	
Inorganics	pH (Lab)	pH units	0.01			7.65	7.47	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other	Natural Moisture Content	percent	0.1			22.2	22.1	-	-	-	38.4	35.3	33.6	51.7	47.9	31	32.1	25.6	25.1	44.6	
EISdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	5	0.93	0.63	0.69	0.42	0.09	0.26	0.05	0.07	0.59	1.33	3.01	0.12	0.05	1.93	3.77	
	Xylene Total	ug/kg		43000000	310000	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Trichlorobenzene (total)	ug/kg			2200	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
AECOM Calculated	WHO TEQ	ng/kg				35.585	9.383	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	13679.685	3343.658	-	-	-	-	-	-	7640.529	-	-	-	-	2567.397	-	
AECOM Calculated	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1	0.34	0.1	-	-	-	-	-	-	0.18	-	-	-	-	0.1	-	

Comments

GAC: Generic Assessment Criteria

(blank): No assessment criteria available

- : Not analysed

HH: Human Health

					Monitoring_Zone	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House
					Location_Code	GTCS 1-25	GTCS 1-26	GTCS2-P068_SOIL	GTCS2-P069_SOIL	GTCS2-P072_SOIL	GTCS2-S241A	GTCS2-S242A	GTCS2-S243A	GTCS2-S244A	GTCS2-S245A	GTCS2-S246A	GTCS2-S247A	GTCS2-S248A	GTCS2-S249A	GTCS2-S250A	
					Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0.15-0.35	0.4-0.6	0-0.02	
					Sampled_Date_Time	05/06/2019	05/06/2019	28/09/2020	28/09/2020	28/09/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	
				GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																
Chem_Group	**ChemName**	**output unit**	**EQL**																		
VOC TIC	Methyl Methacrylate	ug/kg	100		4400000	-	782	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	VOC TICs	None				<DL		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals	Aluminium	mg/kg	50		77000	6985	10,480	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.5	79	37	13.9	12.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	1		460	113	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.5	2.2	1.7	0.8	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Boron	mg/kg	0.1	21000	290	3.4	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.1	220	22	0.6	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	21	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5	1,500	910	171.2	192.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1	12000	2400	35	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	5	630	200	67	262	61	117	61	318	373	58	101	82	82	71	87	74	287	
	Mercury	mg/kg	0.1	120	23)40	<0.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	0.7	230	130	20.7	19.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	1	1100	250	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	1	2000	410	46	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	5	81000	3700	141	169	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	1		198	-	-	-	-	-	-	-	-	-	3	-	-	-	2	-	
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	6400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5	140000000	39000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	7500	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4		2700	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethane	ug/kg	6		7400	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethene	ug/kg	6		820	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7	1800000	8600	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4		5.1	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6		2000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4		5.3	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromoethane	ug/kg	3		36	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloroethane	ug/kg	5	29000	19	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloropropane	ug/kg	4		84	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3		270000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichloropropane	ug/kg	4		1600000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene	ug/kg	5	140000	870	<5	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromobenzene	ug/kg	2		4700	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromochloromethane	ug/kg	4		150000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromodichloromethane	ug/kg	4		290	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromoform	ug/kg	4		13000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromomethane	ug/kg	1		6800	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	ug/kg	4	950000	130	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorobenzene	ug/kg	4	14000000	2400	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorodibromomethane	ug/kg	5		8300	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroethane	ug/kg	6		18000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	ug/kg	5	2500000	3400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloromethane	ug/kg	3		13	6	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7		370	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibromomethane	ug/kg	4		24000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2		87000	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichloromethane	ug/kg	30		1700	<30	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethylbenzene	ug/kg	3	25000000	260000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isopropylbenzene	ug/kg	3		64000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MTBE	ug/kg	6		160000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-butylbenzene	ug/kg	4		3900000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-propylbenzene	ug/kg	4		190000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	sec-butylbenzene	ug/kg	4		7800000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Styrene	ug/kg	3		43000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	tert-butylbenzene	ug/kg	5		7800000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethene	ug/kg	3	1400000	900	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Toluene	ug/kg	3	56000000	660000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3		700	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethene	ug/kg	5	120000	75	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	ug/kg	3		23000000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (m & p)	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (o)	ug/kg	4	43000000	330000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vinyl chloride	ug/kg	2	3500	1.4	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon disulfide	mg/kg	0.003	11000	0.62	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs	Dibenzo[a,e]pyrene	ug/kg			42	-	-	80	80	100	-	-	-	-	-	-	-	-	-	-	-
	2-methylnaphthalene	ug/kg	10		240000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Azobenzene	ug/kg	10		5600	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10		230	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbazole	ug/kg	10			288	81	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzofuran	ug/kg	10		78000	37	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobutadiene	ug/kg	4	25000	1600	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10		1800	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachloroethane	ug/kg	10		1100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		630000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloroaniline	ug/kg	10		2700	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitroaniline	ug/kg	10		27000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		78	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		7200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10		3900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nitrobenzene	ug/kg	10		5100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		97000	33	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chloronaphthalene	ug/kg	10		22000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloro-3-methylphenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-methylphenol	ug/kg	10		400	<10	221	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenol	ug/kg	10	1300000	380000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10		49000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-dichlorophenol	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorophenol	ug/kg	10		390000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorophenol	ug/kg	10	60000	1200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	15000	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4	98000000	130000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4	300000	2300	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4	17000000	350000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobenzene	ug/kg	10	16000	4900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1100000	196	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100		7200000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diethylphthalate	ug/kg	100		570000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dimethyl phthalate	ug/kg	100		16400	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100		67000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100		3100000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10		570000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC TIC	1,2,9,10-Dibenzopyrene	ug/kg				-	-	60	60	80	-	-	-	-	-	-	-	-	-	-	-
	2-(2H-Benzotriazol-2-yl)-5-methylphenol	ug/kg	100			-	3791	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3,4,8,9-Dibenzopyrene	ug/kg				-	-	10	10	<10	-	-	-	-	-	-	-	-	-	-	-
	benzo(c)fluorene	mg/kg				-	-	0.02	0.02	0.01	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg				-	-	150	60	70	-	-	-	-	-	-	-	-	-	-	-
	Benzo[e]pyrene	ug/kg	100			1316	-	430	390	490	-	-	-	-	-	-	-	-	-	-	-
	Benzo[ghi]fluoranthene	ug/kg				-	-	300	120	130	-	-	-	-	-	-	-	-	-	-	-
	Benzoic acid, hexyl ester	ug/kg	100			-	2877	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chrysene, 5-methyl-	ug/kg				-	-	<10	<10	<10	-	-	-	-	-	-	-	-	-	-	-
	Cyclopenta[def]phenanthrenone	ug/kg	100			423	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[a,i]pyrene	ug/kg				-	-	30	30	30	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg				-	-	60	50	60	-	-	-	-	-	-	-	-	-	-	-
	Dicyclohexyl phthalate	ug/kg	100			-	60,077	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Eicosane	ug/kg	100			-	4727	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Heneicosane	ug/kg	100			-	599	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexadecane	ug/kg	100			-	1760	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1-methyl-	ug/kg	100			561		-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	1100	<0.05	<0.05	0.01	0.01	0.01	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	
	Acenaphthylene	mg/kg	0.03	15000	920	0.07	0.25	<0.11	<0.09	<0.12	0.25	0.21	0.06	<0.03	0.22	0.09	0.16	0.17	0.25	0.12	
	Anthracene	mg/kg	0.04	74000	11000	0.18	0.57	0.13	0.11	0.12	0.59	0.25	0.07	<0.04	0.36	0.1	0.21	0.23	0.5	0.18	
	Benz[a]anthracene	mg/kg	0.06	29	13	0.59	2.52	1.01	0.39	0.52	1.37	1.02	0.22	0.19	0.91	0.45	0.73	0.59	1.53	0.72	
	Benzo(a) pyrene	mg/kg	0.04	10	5	0.65	1.96	0.47	0.41	0.52	1.62	1.27	0.3	0.2	1.1	0.62	0.9	0.77	1.7	0.87	
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	3.7	0.86	2.7	0.46	0.4	0.53	2.19	1.8	0.39	0.27	1.44	0.78	1.14	0.99	2.25	1.25	
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			1.19	3.75	-	-	-	3.04	2.5	0.54	0.38	2	1.08	1.59	1.37	3.13	1.73	

						Monitoring_Zone	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House
						Location_Code	GTCS 1-25	GTCS 1-26	GTCS2-P068_SOIL	GTCS2-P069_SOIL	GTCS2-P072_SOIL	GTCS2-S241A	GTCS2-S242A	GTCS2-S243A	GTCS2-S244A	GTCS2-S245A	GTCS2-S246A	GTCS2-S247A	GTCS2-S248A	GTCS2-S249A	GTCS2-S250A
						Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0.15-0.35	0.4-0.6	0-0.02
						Sampled_Date_Time	05/06/2019	05/06/2019	28/09/2020	28/09/2020	28/09/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020
				GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																
Chem_Group	**ChemName**	**output unit**	**EQL**																		
	Benzo(g,h,i)perylene	mg/kg	0.04	640	350		0.45	0.92	0.38	0.36	0.42	1.14	0.97	0.28	0.16	0.84	0.52	0.63	0.64	1.26	0.68
	Benzo(k)fluoranthene	mg/kg	0.02	190	100		0.33	1.05	0.21	0.18	0.27	0.85	0.7	0.15	0.11	0.56	0.3	0.45	0.38	0.88	0.48
	Chrysene	mg/kg	0.02	57	27		0.46	2.49	0.28	0.24	0.31	1.71	1.24	0.25	0.17	1	0.53	0.84	0.67	1.76	0.89
	Coronene	mg/kg	0.04				0.09	0.19	0.08	0.08	0.09	-	-	-	-	-	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	0.3		0.12	0.41	0.08	0.08	0.09	0.25	0.2	0.06	<0.04	0.16	0.09	0.12	0.12	0.29	0.17
	Fluoranthene	mg/kg	0.03	3100	890		1.14	3.93	0.72	0.56	0.57	3.02	2.05	0.4	0.24	1.96	0.87	1.45	1.22	3.39	1.56
	Fluorene	mg/kg	0.04	9900	860		<0.04	0.07	0.02	0.01	0.02	0.18	<0.04	<0.04	<0.04	0.06	<0.04	0.04	<0.04	0.07	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	41		0.43	1.04	0.38	0.37	0.47	1.17	0.96	0.25	0.16	0.83	0.52	0.63	0.6	1.24	0.68
	Naphthalene	mg/kg	0.04	4900	13		<0.04	0.08	0.11	0.12	0.11	0.06	0.06	<0.04	<0.04	0.05	0.06	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	3100	440		0.54	1.43	0.27	0.18	0.2	1.92	0.64	0.12	0.08	0.73	0.19	0.54	0.45	1.54	0.59
	Pyrene	mg/kg	0.03	7400	2000		0.97	3.17	0.59	0.49	0.53	2.61	1.75	0.34	0.2	1.69	1.03	1.32	1.08	2.79	1.3
	PAH 16 Total	mg/kg	0.6				6.8	22.6	-	-	-	19.1	13.1	2.9	1.8	11.9	6.2	9.2	7.9	19.5	9.5
	PAH 17 Total	mg/kg	0.64				6.88	22.78	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Lower	mg/kg					-	-	2.21	1.43	1.88	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg					-	-	2.21	1.43	1.88	-	-	-	-	-	-	-	-	-	-
	Benzo(j)fluoranthene	mg/kg			0.42		-	-	0.25	0.23	0.29	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 52	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 101	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 118	ug/kg	5		120		<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 138	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 153	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 180	ug/kg	5				<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35		200		<35	<35	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38		0.0484	0.0314	-	-	-	-	-	-	-	0.0455	-	-	-	0.0324	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12		0.00165	0.00109	-	-	-	-	-	-	-	0.000766	-	-	-	0.00104	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120		2.38	0.231	-	-	-	-	-	-	-	1.41	-	-	-	0.192	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120		0.0961	0.00502	-	-	-	-	-	-	-	0.0278	-	-	-	0.00501	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120		0.446	0.447	-	-	-	-	-	-	-	0.448	-	-	-	0.449	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120		0.103	0.013	-	-	-	-	-	-	-	0.0587	-	-	-	0.00888	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036		0.00205	0.00688	-	-	-	-	-	-	-	0.00729	-	-	-	0.00476	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120		0.808	0.0887	-	-	-	-	-	-	-	0.823	-	-	-	0.118	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120		0.17	0.0208	-	-	-	-	-	-	-	0.211	-	-	-	0.0471	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120		0.291	0.0363	-	-	-	-	-	-	-	0.318	-	-	-	0.071	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12		0.000365	0.000528	-	-	-	-	-	-	-	0.00123	-	-	-	0.000569	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130		0.0463	0.00769	-	-	-	-	-	-	-	0.0378	-	-	-	1.734	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable				<0.368	1.47	-	-	-	-	-	-	-	7.52	-	-	-	2.04	-
	12378-PeCDD	ng/kg	Variable				<0.511	0.9	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	123478-HxCDD	ng/kg	Variable				<0.447	0.561	-	-	-	-	-	-	-	<DL	-	-	-	0.643	-
	123678-HxCDD	ng/kg	Variable				<0.458	0.992	-	-	-	-	-	-	-	2.18	-	-	-	2.09	-
	123789-HxCDD	ng/kg	Variable				<0.459	0.833	-	-	-	-	-	-	-	0.827	-	-	-	0.488	-
	1234678-HpCDD	ng/kg	Variable				55.2	30.9	-	-	-	-	-	-	-	57	-	-	-	61.6	-
	OCDD	ng/kg	Variable				511	207	-	-	-	-	-	-	-	505	-	-	-	474	-
	TEQ(1) (NATO)	ng/kg	Variable				2.31	3.75	-	-	-	-	-	-	-	4.64	-	-	-	3.7	-
	TEQ(2) (NATO)	ng/kg	Variable				1.38	3.44	-	-	-	-	-	-	-	4.2	-	-	-	3.2	-
	OCDF	ng/kg	Variable				33.5	17.2	-	-	-	-	-	-	-	28.9	-	-	-	23.6	-
	2378-TCDD	ng/kg	Variable				<0.263	<0.288	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	12378-PeCDF	ng/kg	Variable				<0.339	1.34	-	-	-	-	-	-	-	0.979	-	-	-	0.52	-
	23478-PeCDF	ng/kg	Variable				<0.278	2.23	-	-	-	-	-	-	-	2.54	-	-	-	1.67	-
	123478-HxCDF	ng/kg	Variable				<0.279	2.67	-	-	-	-	-	-	-	2.04	-	-	-	2.15	-
	123678-HxCDF	ng/kg	Variable				<0.268	2.08	-	-	-	-	-	-	-	1.92	-	-	-	1.26	-
	234678-HxCDF	ng/kg	Variable				1.16	2.32	-	-	-	-	-	-	-	1.18	-	-	-	1.81	-
	123789-HxCDF	ng/kg	Variable				<0.285	<0.259	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	1234678-HpCDF	ng/kg	Variable				16.3	17.5	-	-	-	-	-	-	-	20.4	-	-	-	16.8	-
	1234789-HpCDF	ng/kg	Variable				0.68	0.887	-	-	-	-	-	-	-	0.66	-	-	-	0.713	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable				<0.84	<0.85	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	12378-PBDD	ng/kg	Variable				<0.82	<0.82	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	123478-HxBDD	ng/kg	Variable				<0.85	<0.84	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	123678-HxBDD	ng/kg	Variable				<0.85	<0.85	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	123789-HxBDD	ng/kg	Variable				<0.86	<0.85	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	1234678-HpBDD	ng/kg	Variable				<0.83	<0.83	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	OBDD	ng/kg	Variable				<0.84	<0.85	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	2378-TBDF	ng/kg	Variable				1.29	1.08	-	-	-	-	-	-	-	0.6	-	-	-	0.8	-
	12378-PBDF	ng/kg	Variable				0.88	<0.83	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	23478-PBDF	ng/kg	Variable				<0.82	<0.84	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	123478-HxBDF	ng/kg	Variable				<0.84	<0.84	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	123678-HxBDF	ng/kg	Variable				0.97	0.85	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	234678-HxBDF	ng/kg	Variable				0.83	<0.82	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	123789-HxBDF	ng/kg	Variable				<0.83	<0.84	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	1234678-HpBDF	ng/kg	Variable				<0.84	<0.84	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	1234789-HpBDF	ng/kg	Variable				<0.81	<0.84	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
	OBDF	ng/kg	Variable				<0.84	<0.84	-	-	-	-	-	-	-	<DL	-	-	-	<DL	-
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.2		630		<0.2	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(2-ethylhexyl) phosphate	mg/kg	0.1		170		<0.1	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-
Brominated flame retardents (PBDEs)	2,2",4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,4"-tribromodiphenyl ether (BDE-28)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2",4,4"-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		6.3		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,3",4,4"-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2",3,4,4"-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		6.3		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2",3,4,4",6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2",3,4,4",5"-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",5,5"-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		13		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",5,6"-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600		<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250				<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100		<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400		<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300		<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500				<500	<500	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000		<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20		<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23		<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20		<0.6	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None					No Asbestos	No Asbestos	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None					No Asbestos	No Asbestos	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos fibres	None					No Asbestos	No Asbestos	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None					-	-	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Fibre Bundles	No Asbestos
	Asbestos Type	None					No Asbestos	No Asbestos	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Chrysotile	No Asbestos
	General Description (Bulk Analysis)	None					soil-stones	soil-stones	-	-	-	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	soil.stones
	Asbestos Level Screen	None					-	-	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	less than 0.1%	No Asbestos
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001				-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001				-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001				-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001				-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
	Asbestos Quantification - Total - %	mass %	0.001				-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
SVF / MMMF	Synthetic/MMMF	None	-				1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02				3.66	8.2	-	-	-	6.63	-	-	-	2.08	-	-	-	1.21	-
Inorganics	pH (Lab)	pH units	0.01				8.09	7.51	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1				15.2	33.3	-	-	-	39.4	41.3	37.7	56.8	23.3	44.5	11.9	33.1	21.2	30.3
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	5		0.65	1.96	0.36	0.32	0.35	1.62	1.27	0.3	0.2	1.1	0.62	0.9	0.77	1.7	0.87
	Xylene Total	ug/kg		43000000	310000		0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200		0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg					1.849	4.189	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sum of PCDD/F +PCB12	ng/kg	Variable		8,700		5014.395	1185.481	-	-	-	-	-	-	-	4029.072	-	-	-	3260.043	-
AECOM Calculated	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1		0.02	0.04	-	-	-	-	-	-	-	0.05	-	-	-	0.03	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available

- : Not analysed
HH: Human Health

					Location_Code	GTCS 1-37	GTCS 1-38	GTCS2-S251A	GTCS2-S252A	GTCS2-S253A	GTCS2-S254A	GTCS2-S255A	GTCS2-S256A	GTCS2-S257A	GTCS2-S258A	GTCS2-S259A	GTCS2-S260A	GTCS2-S261A	GTCS2-S262A	GTCS2-S263A	GTCS2-S264A	GTCS2-S265A	GTCS2-S266A	GTCS2-S267A	GTCS2-S268A	GTCS2-S269A	GTCS2-S270A
					Monitoring_Zone	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park
					Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.05	0-0.02	0-0.02	0-0.2	0-0.2	0-0.2
					Sampled_Date_Time	04/06/2019	04/06/2019	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_PRK_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48% TOC																						
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	187	-	-	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	-	-	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction Anthracene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	61.2	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-
	Bioaccessible Fraction Acenaphthylene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	44.9	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(a)anthracene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	76.3	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(a)pyrene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(ghi)perylene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	53.6	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(bk)fluoranthene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	53.5	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Chrysene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	59.4	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Dibenzo(ah)anthracene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	95.9	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Fluoranthene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	65.1	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Indeno(123cd)pyrene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Phenanthrene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	63.7	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Pyrene	percent	0.1			-	-	-	-	-	-	-	-	-	-	-	-	62.9	-	-	-	-	-	-	-	-	-
VOC TIC	VOC TICs	None				<DL	<DL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals	Aluminium	mg/kg	50		77000	7627	25,210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.5	170	37	11.7	16.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	1		460	143	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.5	63	1.7	0.8	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Boron	mg/kg	0.1	46000	290	9.8	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.1	880	22	0.7	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	250	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5	33000	910	95.4	88.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1	44000	2400	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	5	1,300	200	178	214	199	193	299	281	164	140	232	132	99	122	99	40	83	628	206	423	155	36	29	48
	Mercury	mg/kg	0.1	240	23|40	0.3	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	0.7	800	130	18.7	30.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	1	1800	250	<1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	1	5000	410	35	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	5	170000	3700	199	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	1		198	-	-	3	-	-	-	-	4	-	-	-	-	2	-	-	-	-	6	-	-	-	-
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	2100000	6400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5	100000000	39000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3	2300000	7500	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4		2700	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethane	ug/kg	6		7400	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethene	ug/kg	6		820	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7	1600000	8600	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4		5.1	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6		2000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4		5.3	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromoethane	ug/kg	3		36	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloroethane	ug/kg	5	28000	19	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloropropane	ug/kg	4		84	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3		270000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichloropropane	ug/kg	4		1600000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene	ug/kg	5	230,000	870	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromobenzene	ug/kg	2		4700	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromochloromethane	ug/kg	4		150000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromodichloromethane	ug/kg	4		290	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromoform	ug/kg	4		13000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromomethane	ug/kg	1		6800	<1	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	ug/kg	4	400000	130	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorobenzene	ug/kg	4	2900000	2400	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chlorodibromomethane	ug/kg	5		8300	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroethane	ug/kg	6		18000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	ug/kg	5	3100000	3400	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloromethane	ug/kg	3		13	50	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7		370	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibromomethane	ug/kg	4		24000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2		87000	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dichloromethane	ug/kg	30		1700	<30	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethylbenzene	ug/kg	3	27000000	260000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isopropylbenzene	ug/kg	3		64000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MTBE	ug/kg	6		160000	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-butylbenzene	ug/kg	4		3900000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-propylbenzene	ug/kg	4		190000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	sec-butylbenzene	ug/kg	4		7800000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Styrene	ug/kg	3		43000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	tert-butylbenzene	ug/kg	5		7800000	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethene	ug/kg	3	1500000	900	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Toluene	ug/kg	3	100000000	660000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3		700	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethene	ug/kg	5	120000	75	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	ug/kg	3		23000000	<3	<3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (m & p)	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Xylene (o)	ug/kg	4	33000000	330000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vinyl chloride	ug/kg	2	5400	1.4	<2	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbon disulfide	mg/kg	0.003	2700	0.62	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs	2-methylnaphthalene	ug/kg	10		240000	24	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Azobenzene	ug/kg	10		5600	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10		230	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbazole	ug/kg	10			116	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzofuran	ug/kg	10		78000	19	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobutadiene	ug/kg	4	51000	1600	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10		1800	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachloroethane	ug/kg	10		1100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		630000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloroaniline	ug/kg	10		2700	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitroaniline	ug/kg	10		27000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		78	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		7200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10		3900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nitrobenzene	ug/kg	10		5100	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		97000	25	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chloronaphthalene	ug/kg	10		22000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chloro-3-methylphenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-methylphenol	ug/kg	10		400	136	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenol	ug/kg	10	1300000	380000	598	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10		49000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-dichlorophenol	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-chlorophenol	ug/kg	10		390000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorophenol	ug/kg	10	120000	1200	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	4000000	15000	<7	<7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4	51000000	130000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4	470000	2300	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4	36000000	350000	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobenzene	ug/kg	10	30000	4900	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1100000	527	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100		7200000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diethylphthalate	ug/kg	100		570000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dimethyl phthalate	ug/kg	100		16400	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100		67000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100		3100000	<100	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10		570000	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SVOC TIC	2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)-	ug/kg	100			784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3,5-Dimethoxy-4-hydroxycinnamaldehyde	ug/kg	100			300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzaldehyde, 4-hydroxy-3,5-dimethoxy-	ug/kg	100			424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(e)pyrene	ug/kg	100			-	664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diphenyl sulfide	ug/kg	100			372	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 2-methyl-	ug/kg	100			-	252	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	ug/kg	100			894	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	30000	1100	<0.05	<0.05	0.17	<0.05	0.07	<0.05	<0.05	<0.05	0.09	0.1	<0.05	<0.05	2.67	<0.05	0.06	<0.05	0.24	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	30000	920	0.25	0.17	0.47	0.2	0.23	0.4	0.16	0.2	0.51	0.48	0.1	0.29	2.07	0.2	0.36	0.36	1.7	0.3	0.05	<0.03	<0.03	<0.03
	Anthracene	mg/kg	0.04	150000	11000	0.37	0.29	0.9	0.23	0.31	0.36	0.22	0.34	0.68	0.74	0.11	0.19	13.73	0.22	0.56	0.38	1.61	0.38	0.08	<0.04	<0.04	<0.04
	Benz(a)anthracene	mg/kg	0.06	62	13	1.03	1.04	2.84	0.81	1.84	1.46	1.45	1.04	2.24	2.55	0.49	0.71	22.12	1.05	1.68	1.12	4.77	1.32	0.3	<0.06	0.1	0.15
	Benzo(a) pyrene	mg/kg	0.04			1.22	1.1	3.09	1.05	1.95	1.74	1.56	1.18	2.6	2.77	0.54	0.77	13.01	1.15	2.36	1.49	5.9	1.57	0.34	0.06	0.07	0.15
	Benzo(b)fluoranthene	mg/kg	0.05	16	3.7	1.77	1.47	4.15	1.34	2.51	2.22	2.05	1.56	3.54	3.73	0.68	1.05	18.5	1.47	2.82	2.15	7.62	2.04	0.42	0.09	0.11	0.2
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			2.46	2.04	5.77	1.86	3.49	3.08	2.85	2.16	4.91	5.18	0.94	1.46	25.7	2.04	3.92	2.98	10.58	2.84	0.58	0.12	0.15	0.28
	Benzo(g,h,i)perylene	mg/kg	0.04	1600	350	0.96	0.7	2.07	0.78	1.32	1.29	1.02	0.78	1.74	1.85	0.38	0.65	8	0.79	1.74	1.41	4.95	1.17	0.24	0.06	0.09	0.13
	Benzo(k)fluoranthene	mg/kg	0.02	440	100	0.69	0.57	1.62	0.52	0.98	0.86	0.8	0.6	1.37	1.45	0.26	0.41	7.2	0.57	1.1	0.83	2.96	0.8	0.16	0.03	0.04	0.08
	Chrysene	mg/kg	0.02	120	27	1.18	1.13	3.19	0.98	1.84	1.61	1.54	1.15	2.62	2.78	0.48	0.7	16.43	0.92	1.65	1.32	5.4	1.45	0.33	0.06	0.06	0.13
	Coronene	mg/kg	0.04			0.22	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04	1.4	0.3	0.2	0.16	0.55	0.15	0.28	0.25	0.21	0.12	0.36	0.34	0.09	0.1	1.74	0.16	0.34	0.3	1.07	0.3	0.05	<0.04	<0.04	<0.04
	Fluoranthene	mg/kg	0.03	6400	890	2.09	2.32	6.98	1.83	3.27	2.71	2.89	2.8	5.6	6.23	0.81	1.17	54.59	2.05	2.97	2.15	10.82	2.74	0.64	0.07	0.07	0.17
	Fluorene	mg/kg	0.04	20000	860	0.08	0.07	0.17	<0.04	0.07	<0.04	<0.04	0.06	0.11	0.11	<0.04	<0.04	3.06	<0.04	0.08	<0.04	0.23	0.07	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	180	41	0.91	0.7	2.19	0.78	1.39	1.26	1.11	0.75	1.82	1.92	0.39	0.56	8.4	0.84	1.75	1.32	4.73	1.2	0.24	0.06	0.07	0.13
	Naphthalene	mg/kg	0.04	3000	13	<0.04	<0.04	0.07	<0.04	0.06	0.06	<0.04	<0.04	0.06	0.06	<0.04	0.06	<0.4	<0.04	0.06	<0.04	0.24	0.07	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	6300	440	0.83	1.04	2.79	0.56	1.06	0.78	1.02	1.17	2	1.92	0.25	0.39	44.88	0.62	1.17	0.74	3.72	1.01	0.26	<0.03	0.04	0.07
	Pyrene	mg/kg	0.03	15000	2000	1.76	1.86	5.69	1.58	2.79	2.42	2.39	2.26	4.56	5.15	0.75	1.13	41.85	1.86	2.6	1.87	8.84	2.41	0.54	0.06	0.06	0.16
	PAH 16 Total	mg/kg	0.6			13.3	12.6	36.9	10.8	20	17.4	16.4	14	29.9	32.2	5.3	8.2	258.3	11.9	21.3	15.4	64.8	16.8	3.7	<0.6	0.7	1.4
	PAH 17 Total	mg/kg	0.64			13.56	12.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 52	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 101	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 118	ug/kg	5		120	<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 138	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 153	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 180	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35		200	<35	<35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	0.0414	0.0362	0.032	-	-	-	-	0.0233	-	-	-	-	0.0334	-	-	-	-	0.0117	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	0.00133	0.000823	0.00178	-	-	-	-	0.000875	-	-	-	-	0.00114	-	-	-	-	0.000429	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	0.258	0.197	0.187	-	-	-	-	0.165	-	-	-	-	0.323	-	-	-	-	0.0878	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	0.00875	0.0044	0.0061	-	-	-	-	0.0048	-	-	-	-	0.0147	-	-	-	-	0.00207	-	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	0.45	0.451	0.452	-	-	-	-	0.453	-	-	-	-	0.454	-	-	-	-	0.455	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	0.0181	0.00976	0.00984	-	-	-	-	0.00794	-	-	-	-	0.0131	-	-	-	-	0.00506	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	0.00589	0.0091	0.00758	-	-	-	-	0.007	-	-	-	-	0.00451	-	-	-	-	0.00285	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	0.0967	0.0744	0.0644	-	-	-	-	0.069	-	-	-	-	0.222	-	-	-	-	0.0403	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	0.0255	0.017	0.0151	-	-	-	-	0.0163	-	-	-	-	0.0695	-	-	-	-	0.0114	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	0.0449	0.0315	0.0262	-	-	-	-	0.026	-	-	-	-	0.0841	-	-	-	-	0.0171	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	0.000305	0.000701	<DL	-	-	-	-	0.000674	-	-	-	-	<DL	-	-	-	-	0.00119	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	0.0109	0.00786	0.00646	-	-	-	-	0.00642	-	-	-	-	0.0194	-	-	-	-	0.00544	-	-	-	-
	Total PCB WHO 12	ug/kg	60			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			2.13	5.92	4.38	-	-	-	-	3.18	-	-	-	-	1.59	-	-	-	-	4.8	-	-	-	-
	12378-PeCDD	ng/kg	Variable			<DL	2.31	1.28	-	-	-	-	<DL	-	-	-	-	0.389	-	-	-	-	0.546	-	-	-	-
	123478-HxCDD	ng/kg	Variable			1.08	1.42	1.35	-	-	-	-	0.99	-	-	-	-	0.656	-	-	-	-	0.479	-	-	-	-
	123678-HxCDD	ng/kg	Variable			4.38	2.96	2.99	-	-	-	-	1.92	-	-	-	-	2.73	-	-	-	-	1.91	-	-	-	-
	123789 HxCDD	ng/kg	Variable			<DL	2.09	2.22	-	-	-	-	1.66	-	-	-	-	1.15	-	-	-	-	1.01	-	-	-	-
	1234678-HpCDD	ng/kg	Variable			117	35.5	24.2	-	-	-	-	53.6	-	-	-	-	108	-	-	-	-	20.2	-	-	-	-
	OCDD	ng/kg	Variable			941	116	93.3	-	-	-	-	570	-	-	-	-	952	-	-	-	-	99.2	-	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable			5.92	6.88	6.47	-	-	-	-	5.13	-	-	-	-	5	-	-	-	-	4.69	-	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable			5.31	6.42	5.98	-	-	-	-	4.51	-	-	-	-	4.82	-	-	-	-	4.41	-	-	-	-
	OCDF	ng/kg	Variable			48.1	11.8	12.2	-	-	-	-	19.6	-	-	-	-	41.5	-	-	-	-	16.2	-	-	-	-
	2378-TCDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	12378-PeCDF	ng/kg	Variable			<DL	0.865	2.89	-	-	-	-	2.08	-	-	-	-	1.69	-	-	-	-	1.91	-	-	-	-
	23478-PeCDF	ng/kg	Variable			2.68	4.42	5.63	-	-	-	-	2.59	-	-	-	-	2.12	-	-	-	-	3.84	-	-	-	-
	123478-HxCDF	ng/kg	Variable			2.79	3.95	1.93	-	-	-	-	3.2	-	-	-	-	1.99	-	-	-	-	3.27	-	-	-	-
	123678-HxCDF	ng/kg	Variable			2.25	4.13	2.03	-	-	-	-	3.74	-	-	-	-	2.05	-	-	-	-	2.12	-	-	-	-
	234678-HxCDF	ng/kg	Variable			2.59	2.77	3.8	-	-	-	-	3.06	-	-	-	-	1.81	-	-	-	-	2.74	-	-	-	-
	123789-HxCDF	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	1234678-HpCDF	ng/kg	Variable			28.7	19.3	14.8	-	-	-	-	20	-	-	-	-	19.7	-	-	-	-	16	-	-	-	-
	1234789-HpCDF	ng/kg	Variable			1.23	1.26	0.86	-	-	-	-	0.476	-	-	-	-	1.64	-	-	-	-	0.546	-	-	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	12378-PBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	123478-HxBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	123678-HxBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	123789-HxBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	1234678-HpBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	OBDD	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	2378-TBDF	ng/kg	Variable			3.78	2.25	0.8	-	-	-	-	1.4	-	-	-	-	0.7	-	-	-	-	1.5	-	-	-	-
	12378-PBDF	ng/kg	Variable			2	1.24	<DL	-	-	-	-	0.7	-	-	-	-	<DL	-	-	-	-	0.7	-	-	-	-
	23478-PBDF	ng/kg	Variable			1.35	0.71	<DL	-	-	-	-	0.5	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	123478-HxBDF	ng/kg	Variable			0.88	0.55	0.5	-	-	-	-	0.5	-	-	-	-	0.8	-	-	-	-	0.6	-	-	-	-
	123678-HxBDF	ng/kg	Variable			0.79	0.49	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	234678-HxBDF	ng/kg	Variable			0.47	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	123789-HxBDF	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
	1234678-HpBDF	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	0.5	-	-	-	-
	1234789-HpBDF	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-

					Monitoring_Zone	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park
					Location_Code	GTCS 1-37	GTCS 1-38	GTCS2-S251A	GTCS2-S252A	GTCS2-S253A	GTCS2-S254A	GTCS2-S255A	GTCS2-S256A	GTCS2-S257A	GTCS2-S258A	GTCS2-S259A	GTCS2-S260A	GTCS2-S261A	GTCS2-S262A	GTCS2-S263A	GTCS2-S264A	GTCS2-S265A	GTCS2-S266A	GTCS2-S267A	GTCS2-S268A	GTCS2-S269A	GTCS2-S270A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.05	0-0.02	0-0.02	0-0.2	0-0.2	0-0.2
					Sampled_Date_Time	04/06/2019	04/06/2019	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_PRK_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48% TOC																						
	OBDF	ng/kg	Variable			<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-	<DL	-	-	-	-
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.1		630	<0.8	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(2-ethylhexyl) phosphate	mg/kg	0.1		170	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		13	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			<500	<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	4.1	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None				No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				soil.stones	soil.stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	Soil/Stone	Soil/Stones	soil.stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stones	soil.stones	soil.stones	soil.stones	Soil/Stones	soil.stones
	Asbestos Level Screen	None				-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
SVF / MMMF	Synthetic/MMMF	None				1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			11.73	5.83	6.83	6.44	-	-	-	6.06	-	-	-	-	3.31	2.73	-	-	-	3.69	-	-	-	-
Inorganics	pH (Lab)	pH units	0.01			7.36	6.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			20	32.7	66.9	50.1	41.4	38.9	48.4	55.7	51.4	39.9	22.5	26.7	22.4	22.1	16.8	65.3	50	31.6	35.7	20.6	23	22.4
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		21	5	1.22	1.1	3.09	1.05	1.95	1.74	1.56	1.18	2.6	2.77	0.54	0.77	13.01	1.15	2.36	1.49	5.9	1.57	0.34	0.06	0.07	0.15
	Xylene Total	ug/kg		31000000	310000	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				5.781	8.122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	2126.935	1067.739	994.77	-	-	-	-	1476	-	-	-	-	2387.7	-	-	-	-	824.21	-	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1	0.06	0.08	0.06	-	-	-	-	0.05	-	-	-	-	0.04	-	-	-	-	0.04	-	-	-	-

Comments

GAC: Generic Assessment Criteria

(blank): No assessment criteria available

- : Not analysed

HH: Human Health

						Monitoring_Zone	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House
						Location_Code	GTC5 1-07	GTC5 1-08	GTCS2-5271A	GTCS2-5272A	GTCS2-5273A	GTCS2-5274A	GTCS2-5275A	GTCS2-5276A	GTCS2-5277A	GTCS2-5278A	GTCS2-5279A	GTCS2-5280A
						Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0-0.2	0-0.2	0-0.02	0-0.05
						Sampled_Date_Time	06/06/2019	06/06/2019	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC													
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	-	-	-	1296	-	-	-	-	1626	1989	
	Bioaccessible Lead – stomach	mg/kg	5			-	-	-	-	-	808	-	-	-	-	925	1220	
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	-	-	-	276	-	-	-	-	330	311	
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	-	62	-	-	-	-	57	61	
VOC TIC	VOC TICs	None				<DL	<DL	-	-	-	-	-	-	-	-	-	-	
Metals	Aluminium	mg/kg	50		77000	13,900	10,660	-	-	-	-	-	-	-	-	-	-	
	Arsenic	mg/kg	0.5	79	37	17.8	35.2	-	-	-	-	-	-	-	-	-	-	
	Barium	mg/kg	1		460	321	343	-	-	-	-	-	-	-	-	-	-	
	Beryllium	mg/kg	0.5	2.2	1.7	1.8	2.1	-	-	-	-	-	-	-	-	-	-	
	Boron	mg/kg	0.1	21000	290	2.9	2.9	-	-	-	-	-	-	-	-	-	-	
	Cadmium	mg/kg	0.1	220	22	0.7	0.7	-	-	-	-	-	-	-	-	-	-	
	Chromium (hexavalent)	mg/kg	0.3	21	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	
	Chromium (III+VI)	mg/kg	0.5	1500	910	87.6	115.2	-	-	-	-	-	-	-	-	-	-	
	Copper	mg/kg	1	12000	2400	113	131	-	-	-	-	-	-	-	-	-	-	
	Lead	mg/kg	5	630	200	500	473	744	454	997	1168	992	32	65	28	1385	2216	
	Mercury	mg/kg	0.1	120	23140	0.5	0.5	-	-	-	-	-	-	-	-	-	-	
	Nickel	mg/kg	0.7	230	130	30	35.9	-	-	-	-	-	-	-	-	-	-	
	Selenium	mg/kg	1	1100	250	1	1	-	-	-	-	-	-	-	-	-	-	
	Vanadium	mg/kg	1	2000	410	56	69	-	-	-	-	-	-	-	-	-	-	
	Zinc	mg/kg	5	81000	3700	286	327	-	-	-	-	-	-	-	-	-	-	
	Antimony	mg/kg	1		198	-	-	-	12	-	-	-	-	2	-	-	-	
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	6400	<5	<5	-	-	-	-	-	-	-	-	-	-	
	1,1,1-trichloroethane	ug/kg	5	140000000	39000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	7500	<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,1,2-trichloroethane	ug/kg	4		2700	<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloroethane	ug/kg	6		7400	<6	<6	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloroethene	ug/kg	6		820	<6	<6	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,2,3-trichlorobenzene	ug/kg	7	1800000	8600	<7	<7	-	-	-	-	-	-	-	-	-	-	
	1,2,3-trichloropropane	ug/kg	4		5.1	<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,2,4-trimethylbenzene	ug/kg	6		2000	<6	<6	-	-	-	-	-	-	-	-	-	-	
	1,2-dibromo-3-chloropropane	ug/kg	4		5.3	<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,2-dibromoethane	ug/kg	3		36	<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,2-dichloroethane	ug/kg	5	29000	19	<5	<5	-	-	-	-	-	-	-	-	-	-	
	1,2-dichloropropane	ug/kg	4		84	<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,3,5-trimethylbenzene	ug/kg	3		270000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,3-dichloropropane	ug/kg	4		1600000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	2,2-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	2-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	4-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	Benzene	ug/kg	5	140,000	870	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Bromobenzene	ug/kg	2		4700	<2	<2	-	-	-	-	-	-	-	-	-	-	
	Bromochloromethane	ug/kg	4		150000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Bromodichloromethane	ug/kg	4		290	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Bromoform	ug/kg	4		13000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Bromomethane	ug/kg	1		6800	<1	<1	-	-	-	-	-	-	-	-	-	-	
	Carbon tetrachloride	ug/kg	4	950000	130	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Chlorobenzene	ug/kg	4	14000000	2400	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Chlorodibromomethane	ug/kg	5		8300	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Chloroethane	ug/kg	6		18000	<6	<6	-	-	-	-	-	-	-	-	-	-	
	Chloroform	ug/kg	5	2500000	3400	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Chloromethane	ug/kg	3		13	4	7	-	-	-	-	-	-	-	-	-	-	
	cis-1,2-dichloroethene	ug/kg	7		370	<7	<7	-	-	-	-	-	-	-	-	-	-	
	cis-1,3-dichloropropene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Dibromomethane	ug/kg	4		24000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Dichlorodifluoromethane	ug/kg	2		87000	<2	<2	-	-	-	-	-	-	-	-	-	-	
	Dichloromethane	ug/kg	30		1700	38	<30	-	-	-	-	-	-	-	-	-	-	
	Ethylbenzene	ug/kg	3	25000000	260000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	Isopropylbenzene	ug/kg	3		64000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	MTBE	ug/kg	6		160000	<6	<6	-	-	-	-	-	-	-	-	-	-	
	n-butylbenzene	ug/kg	4		3900000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	n-propylbenzene	ug/kg	4		190000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	sec-butylbenzene	ug/kg	4		7800000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Styrene	ug/kg	3		43000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	tert-butylbenzene	ug/kg	5		7800000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Tetrachloroethene	ug/kg	3	1400000	900	<3	<3	-	-	-	-	-	-	-	-	-	-	
	Toluene	ug/kg	3	56000000	660000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	trans-1,2-dichloroethene	ug/kg	3		700	<3	<3	-	-	-	-	-	-	-	-	-	-	
	trans-1,3-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	Trichloroethene	ug/kg	5	120000	75	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Trichlorofluoromethane	ug/kg	3		23000000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	Xylene (m & p)	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Xylene (o)	ug/kg	4	43000000	330000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Vinyl chloride	ug/kg	2	3500	1.4	<2	<2	-	-	-	-	-	-	-	-	-	-	
	Carbon disulfide	mg/kg	0.003	11000	0.62	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	
SVOCs	2-methylnaphthalene	ug/kg	10		240000	46	32	-	-	-	-	-	-	-	-	-	-	
	4-bromophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-chlorophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	Azobenzene	ug/kg	10		5600	<10	<10	-	-	-	-	-	-	-	-	-	-	
	Bis(2-chloroethoxy) methane	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	
	Bis(2-chloroethyl)ether	ug/kg	10		230	<10	<10	-	-	-	-	-	-	-	-	-	-	
	Carbazole	ug/kg	10			49	37	-	-	-	-	-	-	-	-	-	-	
	Dibenzofuran	ug/kg	10		78000	22	15	-	-	-	-	-	-	-	-	-	-	
	Hexachlorobutadiene	ug/kg	4	25000	1600	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Hexachlorocyclopentadiene	ug/kg	10		1800	<10	<10	-	-	-	-	-	-	-	-	-	-	
	Hexachloroethane	ug/kg	10		1100	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Anilines	2-nitroaniline	ug/kg	10		630000	<10	<10	-	-	-	-	-	-	-	-	-	-	
	3-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-chloroaniline	ug/kg	10		2700	<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-nitroaniline	ug/kg	10		27000	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		78	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		7200	<10	<10	-	-	-	-	-	-	-	-	-	-	
	2,6-dinitrotoluene	ug/kg	10		3900	<10	<10	-	-	-	-	-	-	-	-	-	-	
	Nitrobenzene	ug/kg	10		5100	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		97000	<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-chloronaphthalene	ug/kg	10		22000	<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-chloro-3-methylphenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-methylphenol	ug/kg	10		400	<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	Phenol	ug/kg	10	1300000	380000	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-	
	2,4,6-trichlorophenol	ug/kg	10		49000	<10	<10	-	-	-	-	-	-	-	-	-	-	
	2,4-dichlorophenol	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-chlorophenol	ug/kg	10		390000	<10	<10	-	-	-	-	-	-	-	-	-	-	
	Pentachlorophenol	ug/kg	10	60000	1200	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	15000	<7	<7	-	-	-	-	-	-	-	-	-	-	
	1,2-dichlorobenzene	ug/kg	4	98000000	130000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,3-dichlorobenzene	ug/kg	4	300000	2300	<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,4-dichlorobenzene	ug/kg	4	17000000	350000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Hexachlorobenzene	ug/kg	10	16000	4900	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1100000	389	386	-	-	-	-	-	-	-	-	-	-	
	Butyl benzyl phthalate	ug/kg	100		7200000	<100	<100	-	-	-	-	-	-	-	-	-	-	
	Diethylphthalate	ug/kg	100		570000	<100	<100	-	-	-	-	-	-	-	-	-	-	
	Dimethyl phthalate	ug/kg	100		16400	<100	<100	-	-	-	-	-	-	-	-	-	-	
	Di-n-butyl phthalate	ug/kg	100		67000	<100	<100	-	-	-	-	-	-	-	-	-	-	
	Di-n-octyl phthalate	ug/kg	100		3100000	<100	<100	-	-	-	-	-	-	-	-	-	-	
SVOC - Solvents	Isophorone	ug/kg	10		570000	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC TIC	Ferruginol	ug/kg	100			-	523	-	-	-	-	-	-	-	-	-	-	
	p-Cymene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Phenanthrene, 2-methyl-	ug/kg	100			153	-	-	-	-	-	-	-	-	-	-	-	
	Pyrene, 1-methyl-	ug/kg	100			402	343	-	-	-	-	-	-	-	-	-	-	
	3,5,6-Trimethyl-p-quinone, 2-(2,5-dioxotetrahydrofuran-3-yl)thio-	ug/kg	100			1105	-	-	-	-	-	-	-	-	-	-	-	
	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	ug/kg	100			1254	-	-	-	-	-	-	-	-	-	-	-	
PAH	Acenaphthene	mg/kg	0.05	15000	1100	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Acenaphthylene	mg/kg	0.03	15000	920	0.27	0.11	0.11	0.17	0.16	0.24	0.18	<0.03	<0.03	<0.03	0.13	0.17	
	Anthracene	mg/kg	0.04	74000	11000	0.31	0.23	0.23	0.31	0.23	0.51	0.26	<0.04	<0.04	<0.04	0.3	0.28	
	Benz[a]anthracene	mg/kg	0.06	29	13	1.46	0.81	1.77	1.73	1.12	2.31	1.62	<0.06	<0.06	<0.06	1.9	1.65	
	Benzo(a) pyrene	mg/kg	0.04			1.67	0.93	2.19	2.07	1.3	2.83	1.98	0.06	0.06	<0.04	2.38	1.87	
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	3.7	2.25	1.3	2.88	2.74	1.78	3.81	2.65	0.09	0.09	<0.05	3.33	2.58	
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			3.13	1.81	4	3.8	2.47	5.29	3.68	0.13	0.13	<0.07	4.62	3.59	
	Benzo(g,h,i)perylene	mg/kg	0.04	640	350	1.12	0.69	1.63	1.45	1.27	2.26	1.52	0.06	0.07	<0.04	2.1	1.64	
	Benzo(k)fluoranthene	mg/kg	0.02	190	100	0.88	0.51	1.12	1.06	0.69	1.48	1.03	0.04	0.04	<0.02	1.29	1.01	
	Chrysene	mg/kg	0.02	57	27	1.46	0.86	1.96	1.91	1.12	2.68	1.87	<0.02	0.05	<0.02	2.23	1.73	
	Coronene	mg/kg	0.04			0.27	0.15	-	-	-	-	-	-	-	-	-	-	
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	0.3	0.33	0.24	0.29	0.26	0.23	0.42	0.31	<0.04	<0.04	<0.04	0.4	0.29	
	Fluoranthene	mg/kg	0.03	3100	890	2.73	1.41	3.43	3.3	2.12	4.95	3.04	<0.03	0.06	<0.03	3.82	2.74	

						Monitoring_Zone	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House	28. Treadgold House
						Location_Code	GTC5 1-07	GTC5 1-08	GTC52-5271A	GTC52-5272A	GTC52-5273A	GTC52-5274A	GTC52-5275A	GTC52-5276A	GTC52-5277A	GTC52-5278A	GTC52-5279A	GTC52-5280A
						Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0-0.2	0-0.2	0-0.02	0-0.05
						Sampled_Date_Time	06/06/2019	06/06/2019	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020	05/11/2020
Chem_Group	**ChemName**	**Output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC													
	Fluorene	mg/kg	0.04	9900	860	0.04	<0.04	<0.04	<0.04	<0.04	0.12	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	41	1.09	0.63	1.73	1.5	1.2	2.17	1.59	0.06	0.06	<0.04	1.95	1.59
	Naphthalene	mg/kg	0.04	4900	13	0.05	0.04	<0.04	<0.04	0.12	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	0.17
	Phenanthrene	mg/kg	0.03	3100	440	0.84	0.57	0.9	1.06	0.66	2.12	0.97	<0.03	<0.03	<0.03	1.09	0.96
	Pyrene	mg/kg	0.03	7400	2000	2.38	1.23	2.99	2.83	1.94	4.19	2.7	<0.03	0.06	<0.03	3.18	2.35
	PAH 16 Total	mg/kg	0.6			16.9	9.6	21.2	20.4	13.8	30.3	19.8	<0.6	<0.6	<0.6	24.1	19
	PAH 17 Total	mg/kg	0.64			17.15	9.71	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 52	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 101	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 118	ug/kg	5		120	<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 138	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 153	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 180	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35		200	<35	<35	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	0.0375	0.0379	-	0.102	-	-	-	-	0.00356	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	0.00181	0.00206	-	0.00266	-	-	-	-	0.000289	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	0.28	0.174	-	14.6	-	-	-	-	0.0555	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	0.00514	0.00573	-	0.572	-	-	-	-	0.00141	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	0.456	0.457	-	0.458	-	-	-	-	0.459	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	0.0156	0.0127	-	0.449	-	-	-	-	0.00355	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	0.00867	0.00823	-	0.023	-	-	-	-	0.000932	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	0.112	0.0878	-	5.35	-	-	-	-	0.0281	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	0.0308	0.0235	-	1.22	-	-	-	-	0.00651	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	0.0498	0.0395	-	1.72	-	-	-	-	0.0122	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	0.00159	0.00258	-	0.000978	-	-	-	-	0.00011	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	0.0132	0.0127	-	0.155	-	-	-	-	0.00369	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			4.44	7.24	-	<DL	-	-	-	-	<DL	-	-	-
	12378-PeCDD	ng/kg	Variable			<DL	3.81	-	<DL	-	-	-	-	<DL	-	-	-
	123478-HxCDD	ng/kg	Variable			<DL	2.64	-	<DL	-	-	-	-	0.304	-	-	-
	123678-HxCDD	ng/kg	Variable			2.7	4.74	-	2.84	-	-	-	-	1.13	-	-	-
	123789-HxCDD	ng/kg	Variable			1.77	3.17	-	1.61	-	-	-	-	0.666	-	-	-
	1234678-HpCDD	ng/kg	Variable			89.5	83.3	-	68.3	-	-	-	-	43.4	-	-	-
	OCDD	ng/kg	Variable			526	600	-	478	-	-	-	-	420	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable			8.58	12.8	-	7.14	-	-	-	-	1.86	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable			7.64	12.3	-	6.5	-	-	-	-	1.58	-	-	-
	OCDF	ng/kg	Variable			145	36.2	-	33.6	-	-	-	-	16.4	-	-	-
	2378-TCDD	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	12378-PeCDF	ng/kg	Variable			1.25	5.44	-	3.71	-	-	-	-	0.296	-	-	-
	23478-PeCDF	ng/kg	Variable			4.59	8.17	-	5.19	-	-	-	-	0.421	-	-	-
	123478-HxCDF	ng/kg	Variable			3.75	7.34	-	5.9	-	-	-	-	0.478	-	-	-
	123678-HxCDF	ng/kg	Variable			5.02	6.64	-	5.39	-	-	-	-	0.409	-	-	-
	234678-HxCDF	ng/kg	Variable			4.61	7.86	-	5.51	-	-	-	-	0.796	-	-	-
	123789-HxCDF	ng/kg	Variable			<DL	0.546	-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpCDF	ng/kg	Variable			147	50.8	-	39	-	-	-	-	10.4	-	-	-
	1234789-HpCDF	ng/kg	Variable			1.01	1.91	-	1.64	-	-	-	-	<DL	-	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	12378-PBDD	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	123478-HxBDD	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	123789-HxBDD	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpBDD	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	OBDD	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	2378-TBDF	ng/kg	Variable			8.12	3.19	-	1.2	-	-	-	-	0.6	-	-	-
	12378-PBDF	ng/kg	Variable			6.02	2.18	-	0.7	-	-	-	-	<DL	-	-	-
	23478-PBDF	ng/kg	Variable			4.49	1.39	-	<DL	-	-	-	-	<DL	-	-	-
	123478-HxBDF	ng/kg	Variable			3.16	1.05	-	<DL	-	-	-	-	<DL	-	-	-
	123678-HxBDF	ng/kg	Variable			3.08	1	-	<DL	-	-	-	-	<DL	-	-	-
	234678-HxBDF	ng/kg	Variable			1.02	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	123789-HxBDF	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpBDF	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	1234789-HpBDF	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
	OBDF	ng/kg	Variable			<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.5		630	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Tris(2-ethylhexyl) phosphate	mg/kg	0.1		170	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Brominated flame retardents (PBDEs)	2,2",4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,4,4"-tribromodiphenyl ether (BDE-28)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",4,4"-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,3",4,4"-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",3,4,4"-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",3,4,4",5"-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",5,5"-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		13	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",5,6"-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1			<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	<250	<250	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	<250	<250	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	<250	<250	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	<250	<250	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			<500	<500	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	<250	<250	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	<0.5	0.8	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	1.1	1.7	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None				No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile
	General Description (Bulk Analysis)	None				soil.stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stone	Soil/Stone	soil.stones
	Asbestos Level Screen	None				-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-	<0.001
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-	<0.001
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-	<0.001
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-	<0.001
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-	<0.001
SVF / MMMF	Synthetic/MMMF	None				1	0	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			6.72	5.93	-	6.55	7.5	-	-	-	3.4	-	-	-
Inorganics	pH (Lab)	pH units	0.01			7.76	7.9	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			6.8	9.1	36.1	39.2	45.9	69.6	63.6	25.3	21	23.6	65.5	52.9
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	5	1.67	0.93	2.19	2.07	1.3	2.83	1.98	0.06	0.06	0	2.38	1.87
	Xylene Total	ug/kg		43000000	310000	0	0	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	0	0	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				10.245	13.925	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	1964.97	1718.606	-	25316.968	-	-	-	-	1072.991	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1	0.1	0.14	-	0.1	-	-	-	-	0.01	-	-	-

Comments

GAC: Generic Assessment Criteria

(blank): No assessment criteria available

- : Not analysed

HH: Human Health

					Monitoring_Zone	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close
					Location_Code	GTCS 1-09	GTCS 1-10	GTCS2-5281A	GTCS2-5282A	GTCS2-5283A	GTCS2-5284A	GTCS2-5285A	GTCS2-5286A	GTCS2-5287A	GTCS2-5288A	GTCS2-5289A	GTCS2-5290A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	06/06/2019	06/06/2019	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020
				GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES-PL_SLOAM_>3.48%TOC												
Chem_Group	ChemName	output unit	EQL														
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	493	-	-	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5	-		-	-	314	-	-	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	162	-	-	-	-	-	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	10			-	-	64	-	-	-	-	-	-	-	-	-
VOC TIC	VOC TICs	None				<DL	<DL	-	-	-	-	-	-	-	-	-	-
Metals	Aluminium	mg/kg	50		77000	13,940	12,070	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.5	79	40	12.8	9.2	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	1		1300	164	88	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.5	2.2	1.7	1	0.8	-	-	-	-	-	-	-	-	-	-
	Boron	mg/kg	0.1	21000	11000	2	0.8	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.1	220	150	1.4	0.6	-	-	-	-	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	7.2	6	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5	1,500	910	118.5	91.6	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1	12000	7100	63	30	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	5	630	310	169	100	415	357	166	258	204	103	148	118	182	176
	Mercury	mg/kg	0.1	120	23|56	0.3	0.2	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	0.7	230	180	28.8	17	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	1	1100	430	<1	<1	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	1	2000	1200	51	37	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	5	81000	40000	212	104	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	1		550	-	-	-	-	3	-	-	-	-	3	-	-
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	8200	<5	<5	-	-	-	-	-	-	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5	140000000	40000	<5	<5	-	-	-	-	-	-	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	17000	<3	<3	-	-	-	-	-	-	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4		3900	<4	<4	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethane	ug/kg	6		7700	<6	<6	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethene	ug/kg	6		820	<6	<6	-	-	-	-	-	-	-	-	-	-
	1,1-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7	1800000	8800	<7	<7	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4		5.1	<4	<4	-	-	-	-	-	-	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6		2300	<6	<6	-	-	-	-	-	-	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4		5.3	<4	<4	-	-	-	-	-	-	-	-	-	-
	1,2-dibromoethane	ug/kg	3		36	<3	<3	-	-	-	-	-	-	-	-	-	-
	1,2-dichloroethane	ug/kg	5	29000	23	<5	<5	-	-	-	-	-	-	-	-	-	-
	1,2-dichloropropane	ug/kg	4		85	<4	<4	-	-	-	-	-	-	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3		270000	<3	<3	-	-	-	-	-	-	-	-	-	-
	1,3-dichloropropane	ug/kg	4		1600000	<4	<4	-	-	-	-	-	-	-	-	-	-
	2,2-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-
	2-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-
	4-chlorotoluene	ug/kg	3		1600000	<3	<3	-	-	-	-	-	-	-	-	-	-
	Benzene	ug/kg	5	140000	3300	<5	<5	-	-	-	-	-	-	-	-	-	-
	Bromobenzene	ug/kg	2		4900	<2	<2	-	-	-	-	-	-	-	-	-	-
	Bromochloromethane	ug/kg	4		150000	<4	<4	-	-	-	-	-	-	-	-	-	-
	Bromodichloromethane	ug/kg	4		290	<4	<4	-	-	-	-	-	-	-	-	-	-
	Bromoform	ug/kg	4		23000	<4	<4	-	-	-	-	-	-	-	-	-	-
	Bromomethane	ug/kg	1		6800	<1	<1	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	ug/kg	4	950000	130	<4	<4	-	-	-	-	-	-	-	-	-	-
	Chlorobenzene	ug/kg	4	14000000	2400	<4	<4	-	-	-	-	-	-	-	-	-	-
	Chlorodibromomethane	ug/kg	5		8300	<5	<5	-	-	-	-	-	-	-	-	-	-
	Chloroethane	ug/kg	6		18000	<6	<6	-	-	-	-	-	-	-	-	-	-
	Chloroform	ug/kg	5	2500000	4200	<5	<5	-	-	-	-	-	-	-	-	-	-
	Chloromethane	ug/kg	3		13	12	10	-	-	-	-	-	-	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7		390	<7	<7	-	-	-	-	-	-	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-
	Dibromomethane	ug/kg	4		24000	<4	<4	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2		87000	<2	<2	-	-	-	-	-	-	-	-	-	-
	Dichloromethane	ug/kg	30		4500	<30	<30	-	-	-	-	-	-	-	-	-	-
	Ethylbenzene	ug/kg	3	25000000	4400000	<3	<3	-	-	-	-	-	-	-	-	-	-
	Isopropylbenzene	ug/kg	3		67000	<3	<3	-	-	-	-	-	-	-	-	-	-
	MTBE	ug/kg	6		220000	<6	<6	-	-	-	-	-	-	-	-	-	-
	n-butylbenzene	ug/kg	4		3900000	<4	<4	-	-	-	-	-	-	-	-	-	-
	n-propylbenzene	ug/kg	4		2300000	<4	<4	-	-	-	-	-	-	-	-	-	-
	sec-butylbenzene	ug/kg	4		7800000	<4	<4	-	-	-	-	-	-	-	-	-	-
	Styrene	ug/kg	3		170000	<3	<3	-	-	-	-	-	-	-	-	-	-
	tert-butylbenzene	ug/kg	5		7800000	<5	<5	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethene	ug/kg	3	1400000	920	<3	<3	-	-	-	-	-	-	-	-	-	-
	Toluene	ug/kg	3	56000000	3900000	<3	<3	-	-	-	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3		710	<3	<3	-	-	-	-	-	-	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-
	Trichloroethene	ug/kg	5	120000	80	<5	<5	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	ug/kg	3		23000000	<3	<3	-	-	-	-	-	-	-	-	-	-
	Xylene (m & p)	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-
	Xylene (o)	ug/kg	4	43000000	480000	<4	<4	-	-	-	-	-	-	-	-	-	-
	Vinyl chloride	ug/kg	2	3500	1.5	<2	<2	-	-	-	-	-	-	-	-	-	-
	Carbon disulfide	mg/kg	0.003	11000	0.62	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-
SVOCs	2-methylnaphthalene	ug/kg	10		240000	29	26	-	-	-	-	-	-	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-
	Azobenzene	ug/kg	10		5600	<10	<10	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10		230	<10	<10	-	-	-	-	-	-	-	-	-	-
	Carbazole	ug/kg	10			52	28	-	-	-	-	-	-	-	-	-	-
	Dibenzofuran	ug/kg	10		78000	21	12	-	-	-	-	-	-	-	-	-	-
	Hexachlorobutadiene	ug/kg	4	25000	1800	<4	<4	-	-	-	-	-	-	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10		1800	<10	<10	-	-	-	-	-	-	-	-	-	-
	Hexachloroethane	ug/kg	10		1300	<10	<10	-	-	-	-	-	-	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		630000	<10	<10	-	-	-	-	-	-	-	-	-	-
	3-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-
	4-chloroaniline	ug/kg	10		2700	<10	<10	-	-	-	-	-	-	-	-	-	-
	4-nitroaniline	ug/kg	10		27000	<10	<10	-	-	-	-	-	-	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		78	<10	<10	-	-	-	-	-	-	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		170000	<10	<10	-	-	-	-	-	-	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10		87000	<10	<10	-	-	-	-	-	-	-	-	-	-
	Nitrobenzene	ug/kg	10		5100	<10	<10	-	-	-	-	-	-	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		7300000	<10	<10	-	-	-	-	-	-	-	-	-	-
	2-chloronaphthalene	ug/kg	10		22000	<10	<10	-	-	-	-	-	-	-	-	-	-
	2-methylphenol	ug/kg	10		6,900	<10	<10	-	-	-	-	-	-	-	-	-	-
	2-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-
	4-chloro- 3-methylphenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-
	4-methylphenol	ug/kg	10		6,900	<10	<10	-	-	-	-	-	-	-	-	-	-
	4-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-
	Phenol	ug/kg	10	1300000	1200000	<10	<10	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		6300000	<10	<10	-	-	-	-	-	-	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10		49000	<10	<10	-	-	-	-	-	-	-	-	-	-
	2,4-dichlorophenol	ug/kg	10		190000	<10	<10	-	-	-	-	-	-	-	-	-	-
	2-chlorophenol	ug/kg	10		390000	<10	<10	-	-	-	-	-	-	-	-	-	-
	Pentachlorophenol	ug/kg	10	60000	31000	<10	<10	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	15000	<7	<7	-	-	-	-	-	-	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4	98000000	130000	<4	<4	-	-	-	-	-	-	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4	300000	2500	<4	<4	-	-	-	-	-	-	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4	17000000	350000	<4	<4	-	-	-	-	-	-	-	-	-	-
	Hexachlorobenzene	ug/kg	10	16000	6700	<10	<10	-	-	-	-	-	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		2800000	457	251	-	-	-	-	-	-	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100		44000000	<100	<100	-	-	-	-	-	-	-	-	-	-
	Diethylphthalate	ug/kg	100		63000000	<100	<100	-	-	-	-	-	-	-	-	-	-
	Dimethyl phthalate	ug/kg	100		16400	<100	<100	-	-	-	-	-	-	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100		4500000	711	<100	-	-	-	-	-	-	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100		3400000	<100	<100	-	-	-	-	-	-	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10		570000	<10	<10	-	-	-	-	-	-	-	-	-	-
SVOC TIC	Eicosane	ug/kg	100			1437	-	-	-	-	-	-	-	-	-	-	-
	Hexadecane	ug/kg	100			1940	3310	-	-	-	-	-	-	-	-	-	-
	Nonadecane	ug/kg	100			3681	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-
	3,5,6-Trimethyl-p-quinone, 2-(2,5-dioxotetrahydrofuran-3-yl)thio-	ug/kg	100			667	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	6000	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	15000	6000	0.12	0.04	0.21	0.14	0.11	0.09	0.07	0.15	0.07	0.1	0.13	0.08
	Anthracene	mg/kg	0.04	74000	37000	0.19	0.08	0.22	0.14	0.11	0.12	0.07	0.11	0.08	0.11	0.15	0.11
	Benz(a)anthracene	mg/kg	0.06	29	15	0.69	0.29	0.74	0.49	0.38	0.35	0.21	0.58	0.28	0.37	0.48	0.36
	Benzo(a) pyrene	mg/kg	0.04		4	0.75	0.34	0.98	0.65	0.46	0.41	0.25	0.73	0.36	0.52	0.59	0.45
	Benzo(b)fluoranthene	mg/kg	0.05	7.2		1.02	0.44	1.33	0.88	0.67	0.58	0.37	0.9	0.49	0.65	0.78	0.59
	Benzo(b&k)Fluoranthene	mg/kg	0.07		1800	1.41	0.61	1.85	1.22	0.93	0.81	0.51	1.25	0.68	0.9	1.08	0.82
	Benzo(g,h,i)perylene	mg/kg	0.04	640	360	0.53	0.23	0.84	0.6	0.47	0.42	0.27	0.51	0.32	0.44	0.49	0.39
	Benzo(k)fluoranthene	mg/kg	0.02	190	110	0.39	0.17	0.52	0.34	0.26	0.23	0.14	0.35	0.19	0.25	0.3	0.23
	Chrysene	mg/kg	0.02	57	32	0.72	0.32	1.07	0.65	0.46	0.46	0.27	0.61	0.47	0.38	0.63	0.49
	Coronene	mg/kg	0.04			0.13	0.06	-	-	-	-	-	-	-	-	-	-
	Dibenz[a,h]anthracene	mg/kg	0.04	0.58	0.32	0.18	0.08	0.14	0.1	0.08	0.08	<0.04	0.12	0.05	0.09	0.08	0.07
	Fluoranthene	mg/kg	0.03	3100	1600	1.23	0.52	1.9	0.97	0.64	0.74	0.39	0.87	0.51	0.64	1.05	0.75
	Fluorene	mg/kg	0.04	9900	4500	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	46	0.53	0.23	0.76	0.56	0.39	0.37	0.23	0.54	0.31	0.4	0.48	0.35
	Naphthalene	mg/kg	0.04	4900	13	<0.04	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04
	Phenanthrene	mg/kg	0.03	3100	1500	0.43	0.17	0.89	0.29	0.21	0.4	0.16	0.22	0.16	0.23	0.43	0.31
	Pyrene	mg/kg	0.03	7400	3800	1.07	0.45	1.61	0.88	0.59	0.64	0.34	0.79	0.44	0.57	0.91	0.66
	PAH 16 Total	mg/kg	0.6			7.9	3.4	11.3	6.7	4.8	4.9	2.8	6.5	3.6	4.8	6.6	4.8
	PAH 17 Total	mg/kg	0.64			7.98	3.42	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 52	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 101	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 118	ug/kg	5		120	<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 138	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 153	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	PCB 180	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35		200	<35	<35	-	-	-	-	-	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		38	0.0626	0.0241	-	-	0.148	-	-	-	-	0.0361	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		12	0.00219	0.000516	-	-	0.00355	-	-	-	-	0.00117	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		120	0.315	0.164	-	-	0.794	-	-	-	-	0.164	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		120	0.00457	0.00193	-	-	0.0292	-	-	-	-	0.00339	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		120	0.46	0.461	-	-	0.462	-	-	-	-	0.463	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		120	0.0274	0.0149	-	-	0.0234	-	-	-	-	0.012	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.036	0.0221	0.00915	-	-	0.018	-	-	-	-	0.00521	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		120	0.213	0.0844	-	-	0.539	-	-	-	-	0.108	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		120	0.0633	0.0228	-	-	0.159	-	-	-	-	0.0348	-	-

						Monitoring_Zone	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close	29. Verity Close
						Location_Code	GTCS 1-09	GTCS 1-10	GTCS2-5281A	GTCS2-5282A	GTCS2-5283A	GTCS2-5284A	GTCS2-5285A	GTCS2-5286A	GTCS2-5287A	GTCS2-5288A	GTCS2-5289A	GTCS2-5290A
						Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
						Sampled_Date_Time	06/06/2019	06/06/2019	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020
				GAC_HH_POS_RES_SLOAM_>3.48%TOC	GAC_HH_RES-PS_SLOAM_>3.48%TOC													
Chem_Group	**ChemName**	**output unit**	**EQL**															
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		120	0.0941	0.0352	-	-	0.249	-	-	-	-	0.0554	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.12	0.00177	0.00115	-	-	0.00183	-	-	-	-	0.000618	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		130	0.0256	0.0107	-	-	0.0653	-	-	-	-	0.017	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			<0.587	<0.339	-	-	<DL	-	-	-	-	2	-	-
	12378-PeCDD	ng/kg	Variable			1.29	0.686	-	-	1.82	-	-	-	-	<DL	-	-
	123478-HxCDD	ng/kg	Variable			1.69	0.804	-	-	8.08	-	-	-	-	1.55	-	-
	123678-HxCDD	ng/kg	Variable			10	3.63	-	-	52.4	-	-	-	-	7.95	-	-
	123789-HxCDD	ng/kg	Variable			4.27	2.98	-	-	12.6	-	-	-	-	3.07	-	-
	1234678-HpCDD	ng/kg	Variable			266	97.7	-	-	1440	-	-	-	-	229	-	-
	OCDD	ng/kg	Variable			2090	705	-	-	13,400	-	-	-	-	2070	-	-
	TEQ(1) (NATO)	ng/kg	Variable			11.5	5.5	-	-	41.3	-	-	-	-	8.05	-	-
	TEQ(2) (NATO)	ng/kg	Variable			11.1	5.21	-	-	41	-	-	-	-	7.77	-	-
	OCDF	ng/kg	Variable			52.9	21.7	-	-	404	-	-	-	-	60.5	-	-
	2378-TCDD	ng/kg	Variable			<0.34	<0.247	-	-	<DL	-	-	-	-	<DL	-	-
	12378-PeCDF	ng/kg	Variable			2.65	1.37	-	-	1.45	-	-	-	-	0.888	-	-
	23478-PeCDF	ng/kg	Variable			3.91	2.93	-	-	2.11	-	-	-	-	1.74	-	-
	123478-HxCDF	ng/kg	Variable			5.08	2.65	-	-	4.8	-	-	-	-	2.6	-	-
	123678-HxCDF	ng/kg	Variable			4.44	0.919	-	-	4.47	-	-	-	-	1.33	-	-
	234678-HxCDF	ng/kg	Variable			4.86	2.62	-	-	7.94	-	-	-	-	2.14	-	-
	123789-HxCDF	ng/kg	Variable			0.483	0.495	-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpCDF	ng/kg	Variable			47.9	21.2	-	-	158	-	-	-	-	34.4	-	-
	1234789-HpCDF	ng/kg	Variable			2.28	1.17	-	-	9.65	-	-	-	-	2.13	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<0.84	<0.82	-	-	<DL	-	-	-	-	<DL	-	-
	12378-PBDD	ng/kg	Variable			<0.83	<0.83	-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxBDD	ng/kg	Variable			<0.84	<0.82	-	-	<DL	-	-	-	-	<DL	-	-
	123678-HxBDD	ng/kg	Variable			<0.84	<0.84	-	-	<DL	-	-	-	-	<DL	-	-
	123789-HxBDD	ng/kg	Variable			<0.81	<0.84	-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpBDD	ng/kg	Variable			<0.82	<0.82	-	-	<DL	-	-	-	-	<DL	-	-
	OBDD	ng/kg	Variable			<0.85	<0.83	-	-	<DL	-	-	-	-	<DL	-	-
	2378-TBDF	ng/kg	Variable			2.93	1.34	-	-	0.7	-	-	-	-	0.7	-	-
	12378-PBDF	ng/kg	Variable			1.46	0.89	-	-	<DL	-	-	-	-	<DL	-	-
	23478-PBDF	ng/kg	Variable			1.39	0.93	-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxBDF	ng/kg	Variable			0.89	<0.84	-	-	0.5	-	-	-	-	0.5	-	-
	123678-HxBDF	ng/kg	Variable			1.41	<0.83	-	-	<DL	-	-	-	-	<DL	-	-
	234678-HxBDF	ng/kg	Variable			<0.83	<0.83	-	-	<DL	-	-	-	-	<DL	-	-
	123789-HxBDF	ng/kg	Variable			<0.84	<0.84	-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpBDF	ng/kg	Variable			<0.85	<0.85	-	-	<DL	-	-	-	-	<DL	-	-
	1234789-HpBDF	ng/kg	Variable			<0.82	<0.85	-	-	<DL	-	-	-	-	<DL	-	-
	OBDF	ng/kg	Variable			<0.85	<0.85	-	-	<DL	-	-	-	-	<DL	-	-
Organophosphorous flame retardants	Triphenylphosphate	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg			630	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Tris(2-ethylhexyl) phosphate	mg/kg			170	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Brominated flame retardants (PBDEs)	2,2",4,4"-tribromodiphenyl ether (BDE-17)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,4,4"-tribromodiphenyl ether (BDE-28)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",4,4"-tetrabromodiphenyl ether (BDE-47)	mg/kg			6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,3",4,4"-tetrabromodiphenyl ether (BDE-66)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",3,4,4" -pentabromodiphenyl ether (BDE-85)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",5-pentabromodiphenyl ether (BDE-99)	mg/kg			6.3	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",6-pentabromodiphenyl ether (BDE-100)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",3,4,4",5"-hexabromodiphenyl ether(BDE-138)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",5,5"-hexabromodiphenyl ether(BDE-153)	mg/kg			13	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2",4,4",5,6"-hexabromodiphenyl ether(BDE-154)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	<250	<250	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	<250	<250	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	<250	<250	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	<250	<250	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			<500	<500	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene bis(phenyl isocyanate)	ug/kg	250		850000000	<250	<250	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	0.7	1.7	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None				No Asbestos Detected	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				soil.stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	Stones/Soil	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stones	Soil/Stone
	Asbestos Level Screen	None				-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
SVF / MMMF	Synthetic/MMMF	None				0	0	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			3.79	2.99	-	-	8.7	3.16	-	-	-	6.13	-	-
Inorganics	pH (Lab)	pH units	0.01			7.23	6.65	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			10.2	10	29.1	36.1	63.1	27.8	34	31.9	34.1	43.2	39.9	39.7
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	5.3	0.75	0.34	0.98	0.65	0.46	0.41	0.25	0.73	0.36	0.52	0.59	0.45
	Xylene Total	ug/kg		43000000	430000	0	0	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	0	0	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				12.723	5.845	-	-	-	-	-	-	-	-	-	-
	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	3811.983	1706.39	-	-	18.082	-	-	-	-	3335.81	-	-
AECOM Calculated	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1	0.13	0.06	-	-	0.32	-	-	-	-	0.06	-	-

GAC: Generic Assesment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

				Monitoring_Zone	30. Little Wormwood Scrubs	30. Little Wormwood Scrubs	30. Little Wormwood Scrubs	30. Little Wormwood Scrubs	30. Little Wormwood Scrubs	30. Little Wormwood Scrubs	30. Little Wormwood Scrubs	30. Little Wormwood Scrubs	30. Little Wormwood Scrubs	30. Little Wormwood Scrubs
				Location_Code	GTCS2-S291A	GTCS2-S292A	GTCS2-S293A	GTCS2-S294A	GTCS2-S295A	GTCS2-S296A	GTCS2-S297A	GTCS2-S298A	GTCS2-S299A	GTCS2-S300A
				Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
				Sampled_Date_Time	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_PRK_SLOAM_>3.48 %TOC										
BARGE	Lead – total (BARGE method)	mg/kg	5		575	-	-	493	-	-	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5		335	-	-	311	-	-	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5		82	-	-	88	-	-	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction Anthracene	percent	0.1		-	-	-	-	21.5	-	-	-	-	-
	Bioaccessible Fraction (BAF) - Lead	percent	0		58	-	-	63	-	-	-	-	-	-
	Bioaccessible Fraction Acenaphthene	percent	0.1		-	-	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Acenaphthylene	percent	0.1		-	-	-	-	13.7	-	-	-	-	-
	Bioaccessible Fraction Benzo(a)anthracene	percent	0.1		-	-	-	-	38.6	-	-	-	-	-
	Bioaccessible Fraction Benzo(a)pyrene	percent	0.1		-	-	-	-	21.5	-	-	-	-	-
	Bioaccessible Fraction Benzo(ghi)perylene	percent	0.1		-	-	-	-	22	-	-	-	-	-
	Bioaccessible Fraction Benzo(bk)fluoranthene	percent	0.1		-	-	-	-	25.5	-	-	-	-	-
	Bioaccessible Fraction Chrysene	percent	0.1		-	-	-	-	29	-	-	-	-	-
	Bioaccessible Fraction Dibenzo(ah)anthracene	percent	0.1		-	-	-	-	42.6	-	-	-	-	-
	Bioaccessible Fraction Fluoranthene	percent	0.1		-	-	-	-	33.7	-	-	-	-	-
	Bioaccessible Fraction Indeno(123cd)pyrene	percent	0.1		-	-	-	-	15.5	-	-	-	-	-
	Bioaccessible Fraction Phenanthrene	percent	0.1		-	-	-	-	31.7	-	-	-	-	-
	Bioaccessible Fraction Pyrene	percent	0.1		-	-	-	-	34.3	-	-	-	-	-
Metals	Lead	mg/kg	5	1,300	599	400	174	468	356	213	192	162	104	194
	Antimony	mg/kg	1		-	-	-	5	-	-	-	-	2	-
PAH	Acenaphthene	mg/kg	0.05	30000	0.12	<0.05	<0.05	<0.05	0.17	<0.05	<0.05	<0.05	<0.05	0.14
	Acenaphthylene	mg/kg	0.03	30000	0.87	<0.03	<0.03	<0.03	1.22	<0.03	<0.03	0.07	0.08	0.27
	Anthracene	mg/kg	0.04	150000	1.1	<0.04	<0.04	<0.04	1.83	<0.04	0.07	0.09	0.22	0.43
	Benz(a)anthracene	mg/kg	0.06	62	3.19	0.28	0.18	0.22	6.12	0.12	0.23	0.55	0.65	2.05
	Benzo(a) pyrene	mg/kg	0.04		4.01	0.23	0.14	0.22	6.38	0.12	0.24	0.5	0.67	2.7
	Benzo(b)fluoranthene	mg/kg	0.05	16	5.1	0.32	0.19	0.33	8.39	0.17	0.35	0.7	0.89	3.73
	Benzo(b&(k)fluoranthene	mg/kg	0.07		7.08	0.45	0.27	0.46	11.65	0.23	0.49	0.97	1.24	5.18
	Benzo(g,h,i)perylene	mg/kg	0.04	1600	2.98	0.19	0.11	0.19	4.29	0.09	0.19	0.37	0.45	1.98
	Benzo(k)fluoranthene	mg/kg	0.02	440	1.98	0.13	0.08	0.13	3.26	0.06	0.14	0.27	0.35	1.45
	Chrysene	mg/kg	0.02	120	3.88	0.23	0.17	0.25	5.62	0.14	0.28	0.45	0.7	2.51
	Dibenz(a,h)anthracene	mg/kg	0.04	1.4	0.57	<0.04	<0.04	<0.04	0.81	<0.04	<0.04	0.07	0.1	0.41
	Fluoranthene	mg/kg	0.03	6400	7.45	0.5	0.32	0.49	11.81	0.26	0.61	1.04	1.74	4.51
	Fluorene	mg/kg	0.04	20000	0.18	<0.04	<0.04	<0.04	0.22	<0.04	<0.04	<0.04	<0.04	0.11
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	180	2.73	0.17	0.11	0.17	4.45	0.09	0.19	0.35	0.43	2.1
	Naphthalene	mg/kg	0.04	3000	0.15	<0.04	<0.04	<0.04	0.17	<0.04	<0.04	<0.04	<0.04	0.09
	Phenanthrene	mg/kg	0.03	6300	3.04	0.2	0.15	0.22	3.22	0.11	0.27	0.39	0.81	1.67
	Pyrene	mg/kg	0.03	15000	6.71	0.44	0.27	0.42	10.55	0.24	0.52	0.91	1.43	3.96
	PAH 16 Total	mg/kg	0.6		44.1	2.7	1.7	2.6	68.5	1.4	3.1	5.8	8.5	28.1
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		-	-	-	0.0509	-	-	-	-	0.0267	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		-	-	-	0.00226	-	-	-	-	0.00151	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		-	-	-	0.225	-	-	-	-	0.14	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		-	-	-	0.00816	-	-	-	-	0.00491	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		-	-	-	0.466	-	-	-	-	0.467	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		-	-	-	0.00859	-	-	-	-	0.00359	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		-	-	-	0.0133	-	-	-	-	0.00537	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		-	-	-	0.104	-	-	-	-	0.0496	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		-	-	-	0.0264	-	-	-	-	0.0142	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		-	-	-	0.0425	-	-	-	-	0.0225	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		-	-	-	0.00264	-	-	-	-	0.000764	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		-	-	-	0.0102	-	-	-	-	0.00667	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	12378-PeCDD	ng/kg	Variable		-	-	-	<DL	-	-	-	-	1.01	-
	123478-HxCDD	ng/kg	Variable		-	-	-	1.09	-	-	-	-	1.32	-
	123678-HxCDD	ng/kg	Variable		-	-	-	5.48	-	-	-	-	5.36	-
	123789 HxCDD	ng/kg	Variable		-	-	-	2.77	-	-	-	-	4.1	-
	1234678-HpCDD	ng/kg	Variable		-	-	-	47.8	-	-	-	-	66.1	-
	OCDD	ng/kg	Variable		-	-	-	139	-	-	-	-	207	-
	TEQ(1) (NATO)	ng/kg	Variable		-	-	-	7.75	-	-	-	-	7.02	-
	TEQ(2) (NATO)	ng/kg	Variable		-	-	-	6.81	-	-	-	-	6.55	-
	OCDF	ng/kg	Variable		-	-	-	19.4	-	-	-	-	13.6	-
	2378-TCDD	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	12378-PeCDF	ng/kg	Variable		-	-	-	3.22	-	-	-	-	1.89	-
	23478-PeCDF	ng/kg	Variable		-	-	-	6.03	-	-	-	-	4.71	-
	123478-HxCDF	ng/kg	Variable		-	-	-	5.8	-	-	-	-	5.11	-
	123678-HxCDF	ng/kg	Variable		-	-	-	5.62	-	-	-	-	4.64	-
	234678-HxCDF	ng/kg	Variable		-	-	-	5.75	-	-	-	-	4.52	-
	123789-HxCDF	ng/kg	Variable		-	-	-	0.571	-	-	-	-	<DL	-
	1234678-HpCDF	ng/kg	Variable		-	-	-	27.1	-	-	-	-	20	-
	1234789-HpCDF	ng/kg	Variable		-	-	-	2.05	-	-	-	-	1.23	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	12378-PBDD	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	123478-HxBDD	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	123678-HxBDD	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	123789-HxBDD	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	1234678-HpBDD	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	OBDD	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	2378-TBDF	ng/kg	Variable		-	-	-	1	-	-	-	-	<DL	-
	12378-PBDF	ng/kg	Variable		-	-	-	0.7	-	-	-	-	<DL	-
	23478-PBDF	ng/kg	Variable		-	-	-	0.6	-	-	-	-	<DL	-
	123478-HxBDF	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	123678-HxBDF	ng/kg	Variable		-	-	-	0.5	-	-	-	-	<DL	-
	234678-HxBDF	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	123789-HxBDF	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	1234678-HpBDF	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	1234789-HpBDF	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
	OBDF	ng/kg	Variable		-	-	-	<DL	-	-	-	-	<DL	-
Asbestos	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			soil.stones	soil.stones	soil.stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
	Asbestos Level Screen	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02					7.64	5.3				7.68	
Other	Natural Moisture Content	percent	0.1		46.9	55.5	51.6	44.8	45.1	50.4	33	24.9	59.4	42.6
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		21	4.01	0.23	0.14	0.22	6.38	0.12	0.24	0.5	0.67	2.7
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		-	-	-	1246.19	-	-	-	-	1096.97	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	-	-	-	0.07	-	-	-	-	0.07	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

						Monitoring_Zone	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way
						Location_Code	GTCS 1-33	GTCS 1-34	GTCS2-5302A	GTCS2-5302A	GTCS2-5303A	GTCS2-5304A	GTCS2-5305A	GTCS2-5306A	GTCS2-5307A	GTCS2-5308A	GTCS2-5309A	GTCS2-5310A
						Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
						Sampled_Date_Time	04/06/2019	04/06/2019	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020
				GAC_HH_EN/IE/NI/WA_C4SL_PUB1_>3.48%TOC	GAC_HH_POS_RES_SLOAM_>3.48%TOC													
Chem_Group	ChemName	output unit	EQL															
VOC TIC	VOC TICs	None	1			<DL	<DL	-	-	-	-	-	-	-	-	-	-	
Metals	Aluminium	mg/kg	50			17,230	10,400	-	-	-	-	-	-	-	-	-	-	
	Arsenic	mg/kg	0.5	79	79	12	15.8	-	-	-	-	-	-	-	-	-	-	
	Barium	mg/kg	1			111	139	-	-	-	-	-	-	-	-	-	-	
	Beryllium	mg/kg	0.5		2.2	1.1	0.9	-	-	-	-	-	-	-	-	-	-	
	Boron	mg/kg	0.1		21000	2.7	3.9	-	-	-	-	-	-	-	-	-	-	
	Cadmium	mg/kg	0.1	220	220	0.8	0.9	-	-	-	-	-	-	-	-	-	-	
	Chromium (hexavalent)	mg/kg	0.3	21	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	
	Chromium (III+VI)	mg/kg	0.5		1,500	83	99	-	-	-	-	-	-	-	-	-	-	
	Copper	mg/kg	1		12000	50	61	-	-	-	-	-	-	-	-	-	-	
	Lead	mg/kg	5	630	630	96	172	217	151	114	135	344	105	31	264	219	317	
	Mercury	mg/kg	0.1		120	0.1	0.2	-	-	-	-	-	-	-	-	-	-	
	Nickel	mg/kg	0.7		230	24.4	21	-	-	-	-	-	-	-	-	-	-	
	Selenium	mg/kg	1		1100	2	2	-	-	-	-	-	-	-	-	-	-	
	Vanadium	mg/kg	1		2000	55	38	-	-	-	-	-	-	-	-	-	-	
	Zinc	mg/kg	5		81000	166	246	-	-	-	-	-	-	-	-	-	-	
	Antimony	mg/kg	1					-	-	-	-	6	-	-	-	-	7	
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5		1400000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	1,1,1-trichloroethane	ug/kg	5		1400000000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	1,1,2,2-tetrachloroethane	ug/kg	3		1400000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,1,2-trichloroethane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloroethane	ug/kg	6			<6	<6	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloroethene	ug/kg	6			<6	<6	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,2,3-trichlorobenzene	ug/kg	7		1800000	<7	<7	-	-	-	-	-	-	-	-	-	-	
	1,2,3-trichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,2,4-trimethylbenzene	ug/kg	6			<6	<6	-	-	-	-	-	-	-	-	-	-	
	1,2-dibromo-3-chloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,2-dibromoethane	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,2-dichloroethane	ug/kg	5		29000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	1,2-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,3,5-trimethylbenzene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,3-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	2,2-dichloropropane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	2-chlorotoluene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	4-chlorotoluene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	Benzene	ug/kg	5	140000	140000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Bromobenzene	ug/kg	2			<2	<2	-	-	-	-	-	-	-	-	-	-	
	Bromochloromethane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Bromodichloromethane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Bromoform	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Bromomethane	ug/kg	1			<1	<1	-	-	-	-	-	-	-	-	-	-	
	Carbon tetrachloride	ug/kg	4		950000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Chlorobenzene	ug/kg	4		14000000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Chlorodibromomethane	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	
	Chloroethane	ug/kg	6			<6	<6	-	-	-	-	-	-	-	-	-	-	
	Chloroform	ug/kg	5		2500000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Chloromethane	ug/kg	3			5	7	-	-	-	-	-	-	-	-	-	-	
	cis-1,2-dichloroethene	ug/kg	7			<7	<7	-	-	-	-	-	-	-	-	-	-	
	cis-1,3-dichloropropene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Dibromomethane	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Dichlorodifluoromethane	ug/kg	2			<2	<2	-	-	-	-	-	-	-	-	-	-	
	Dichloromethane	ug/kg	30			<30	<30	-	-	-	-	-	-	-	-	-	-	
	Ethylbenzene	ug/kg	3		25000000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	Isopropylbenzene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	MTBE	ug/kg	6			<6	<6	-	-	-	-	-	-	-	-	-	-	
	n-butylbenzene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	n-propylbenzene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	sec-butylbenzene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Styrene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	tert-butylbenzene	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	
	Tetrachloroethene	ug/kg	3		1400000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	Toluene	ug/kg	3		56000000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	trans-1,2-dichloroethene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	trans-1,3-dichloropropene	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	Trichloroethene	ug/kg	5		120000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Trichlorofluoromethane	ug/kg	3			<3	<3	-	-	-	-	-	-	-	-	-	-	
	Xylene (m & p)	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Xylene (o)	ug/kg	4		43000000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Vinyl chloride	ug/kg	2		3500	<2	<2	-	-	-	-	-	-	-	-	-	-	
	Carbon disulfide	mg/kg	0.003		11000	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	
SVOCs	2-methylnaphthalene	ug/kg	10			15	28	-	-	-	-	-	-	-	-	-	-	
	4-bromophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-chlorophenyl phenyl ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	Azobenzene	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	Bis(2-chloroethoxy) methane	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	Bis(2-chloroethyl)ether	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	Carbazole	ug/kg	10			<10	131	-	-	-	-	-	-	-	-	-	-	
	Dibenzofuran	ug/kg	10			<10	52	-	-	-	-	-	-	-	-	-	-	
	Hexachlorobutadiene	ug/kg	4		25000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Hexachlorocyclopentadiene	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	Hexachloroethane	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Anilines	2-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	3-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-chloroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-nitroaniline	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	2,6-dinitrotoluene	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	Nitrobenzene	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-chloronaphthalene	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-methylphenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-chloro-3-methylphenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-methylphenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-nitrophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	Phenol	ug/kg	10		1300000	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	2,4,6-trichlorophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	2,4-dichlorophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-chlorophenol	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
	Pentachlorophenol	ug/kg	10		60000	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7		19000000	<7	<7	-	-	-	-	-	-	-	-	-	-	
	1,2-dichlorobenzene	ug/kg	4		98000000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,3-dichlorobenzene	ug/kg	4		300000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,4-dichlorobenzene	ug/kg	4		17000000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Hexachlorobenzene	ug/kg	10		16000	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100			340	610	-	-	-	-	-	-	-	-	-	-	
	Butyl benzyl phthalate	ug/kg	100			<100	<100	-	-	-	-	-	-	-	-	-	-	
	Diethylphthalate	ug/kg	100			<100	<100	-	-	-	-	-	-	-	-	-	-	
	Dimethyl phthalate	ug/kg	100			<100	<100	-	-	-	-	-	-	-	-	-	-	
	Di-n-butyl phthalate	ug/kg	100			<100	<100	-	-	-	-	-	-	-	-	-	-	
	Di-n-octyl phthalate	ug/kg	100			<100	<100	-	-	-	-	-	-	-	-	-	-	
SVOC - Solvents	Isophorone	ug/kg	10			<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC TIC	SVOC TICs	None				0	-	-	-	-	-	-	-	-	-	-	-	
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100			-	395	-	-	-	-	-	-	-	-	-	-	
	Benzo(e)pyrene	ug/kg	100			-	815	-	-	-	-	-	-	-	-	-	-	
	p-Cymene	ug/kg	4			<4	<4	-	-	-	-	-	-	-	-	-	-	
	Phenanthrene, 4-methyl-	ug/kg	100			-	224	-	-	-	-	-	-	-	-	-	-	
PAH	Acenaphthene	mg/kg	0.05		15000	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Acenaphthylene	mg/kg	0.03		15000	0.04	0.08	0.16	0.07	0.05	0.24	0.08	<0.03	<0.03	0.09	0.08	0.13	
	Anthracene	mg/kg	0.04		74000	<0.04	0.09	0.29	0.09	0.07	0.36	0.13	<0.04	<0.04	0.17	0.11	0.23	
	Benz[a]anthracene	mg/kg	0.06		29	0.22	0.38	1.18	0.4	0.33	1.22	0.62	0.26	0.1	0.68	0.5	0.86	
	Benzo(a) pyrene	mg/kg	0.04	10		0.21	0.38	1.65	0.53	0.46	1.37	0.93	0.31	0.11	0.87	0.7	1.13	
	Benzo(b)fluoranthene	mg/kg	0.05		7.2	0.3	0.55	2.01	0.71	0.6	1.68	1.12	0.42	0.13	1.16	0.89	1.52	
	Benzo(b&j)fluoranthene	mg/kg	0.07			0.41	0.76	2.79	0.99	0.84	2.34	1.56	0.59	0.18	1.61	1.23	2.11	
	Benzo(g,h,i)perylene	mg/kg	0.04		640	0.2	0.36	1.35	0.47	0.41	0.9	0.7	0.26	0.13	0.64	0.56	0.97	
	Benzo(k)fluoranthene	mg/kg	0.02		190	0.11	0.21	0.78	0.28	0.24	0.66	0.44	0.17	0.05	0.45	0.34	0.59	
	Chrysene	mg/kg	0.02		57	0.21	0.37	1.33	0.49	0.43	1.46	0.75	0.31	0.11	0.78	0.6	1.09	
	Coronene	mg/kg	0.04			0.07	0.11	-	-	-	-	-	-	-	-	-	-	
	Dibenz[a,h]anthracene	mg/kg	0.04		0.58	<0.04	0.07	0.23	0.08	0.08	0.17	0.13	<0.04	<0.04	0.12	0.12	0.16	
	Fluoranthene	mg/kg	0.03		3100	0.34	0.59	2.11	0.76	0.65	2.51	1.08	0.47	0.12	1.26	0.93	1.64	
	Fluorene	mg/kg	0.04		9900	<0.04	<0.04	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		82	0.17	0.32	1.24	0.43	0.33	0.83	0.65	0.21	0.07	0.64	0.5	0.83	
	Naphthalene	mg/kg	0.04		4900	<0.04	0.13	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.07	
	Phenanthrene	mg/kg	0.03		3100	0.13	0.25	0.87	0.27	0.23	0.83	0.37	0.14	0.05	0.47	0.3	0.64	
	Pyrene	mg/kg	0.03		7400	0.31	0.5	1.91	0.65	0.58	2.1	1	0.41	0.12	1.08	0.82	1.49	
	PAH 16 Total	mg/kg	0.6			2.2	4.3	15.3	5.2	4.5	14.3	8	3	1	8.4	6.5	11.4	
	PAH 17 Total	mg/kg	0.64			2.31	4.39	-	-	-	-	-	-	-	-	-	-	
PCB (Dutch 7) congeners	PCB 28	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 52	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 101	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 118	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 138	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 153	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 180	ug/kg	5			<5	<5	-	-	-	-	-	-	-	-	-	-	
	Total PCB 7 Congeners	ug/kg	35			<35	<35	-	-	-	-	-	-	-	-	-	-	
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable			0.0629	0.136	-	-	-	-	0.527	-	-	-	-	0.257	
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable			<0.000305	0.00172	-	-	-	-	0.0218	-	-	-	-	0.00661	
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable			0.634	1.34	-	-	-	-	5.01	-	-	-	-	1.93	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable			0.0199	0.0241	-	-	-	-	0.0947	-	-	-	-	0.0675	
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable			0.468	0.469	-	-	-	-	0.47	-	-	-	-	0.471	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable			0.036	0.0676	-	-	-	-	0.153	-	-	-	-	0.0407	
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable			0.012	0.0302	-	-	-	-	0.0681	-	-	-	-	0.0216	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable			0.32	0.703	-	-	-	-	2.42	-	-	-	-	0.98	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable			0.081	0.175	-	-	-	-	0.704	-	-	-	-	0.306	
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable			0.133	0.283	-	-	-	-	1.02	-	-	-	-	0.515	
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable			0.000913	0.00168	-	-	-	-	0.00481	-	-	-	-	0.00245	
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable			0.0279	0.0371	-	-	-	-	0.146	-	-	-	-	0.114	
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			3.93	3.68	-	-	-	-	13.7	-	-	-	-	10.1	

						Monitoring_Zone	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way	31. Darfield Way
						Location_Code	GTCS 1-33	GTCS 1-34	GTCS2-5302A	GTCS2-5302A	GTCS2-5303A	GTCS2-5304A	GTCS2-5305A	GTCS2-5306A	GTCS2-5307A	GTCS2-5308A	GTCS2-5309A	GTCS2-5310A
						Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
						Sampled_Date_Time	04/06/2019	04/06/2019	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020
				GAC_HH_EN/IE/NI/WA_C4SL_PUB1_>3.48%TOC	GAC_HH_POS_RES_SLOAM_>3.48%TOC													
Chem_Group	**ChemName**	**output unit**	**EQL**															
	1237 8-PeCDD	ng/kg	Variable			0.603	<0.4	-	-	-	-	2.68	-	-	-	-	0.981
	1234 78-HxCDD	ng/kg	Variable			1.04	1.11	-	-	-	-	1.61	-	-	-	-	1.56
	1236 78-HxCDD	ng/kg	Variable			2.12	2.62	-	-	-	-	5.9	-	-	-	-	4.08
	1237 89 HxCDD	ng/kg	Variable			1.74	1.94	-	-	-	-	3.7	-	-	-	-	2.56
	1234 678-HpCDD	ng/kg	Variable			47.1	43.6	-	-	-	-	90.5	-	-	-	-	107
	OCDD	ng/kg	Variable			332	290	-	-	-	-	611	-	-	-	-	1060
	TEQ(1) (NATO)	ng/kg	Variable			5.2	5.73	-	-	-	-	16.9	-	-	-	-	7.11
	TEQ(2) (NATO)	ng/kg	Variable			4.99	5.3	-	-	-	-	16.4	-	-	-	-	6.42
	OCDF	ng/kg	Variable			24.3	27.3	-	-	-	-	46	-	-	-	-	55
	2378-TCDD	ng/kg	Variable			<0.182	<0.201	-	-	-	-	<DL	-	-	-	-	<DL
	1237 8-PeCDF	ng/kg	Variable			2.33	2.61	-	-	-	-	4.89	-	-	-	-	1.74
	2347 8-PeCDF	ng/kg	Variable			3.63	3.88	-	-	-	-	12.1	-	-	-	-	<DL
	1234 78-HxCDF	ng/kg	Variable			2.71	4.61	-	-	-	-	13.2	-	-	-	-	5.3
	1236 78-HxCDF	ng/kg	Variable			2.87	3.65	-	-	-	-	10.1	-	-	-	-	4.8
	2346 78-HxCDF	ng/kg	Variable			2.88	4.61	-	-	-	-	15.5	-	-	-	-	4.06
	1237 89-HxCDF	ng/kg	Variable			<0.237	<0.315	-	-	-	-	1.32	-	-	-	-	<DL
	1234 678-HpCDF	ng/kg	Variable			19	23.7	-	-	-	-	66.4	-	-	-	-	40.4
	1234 789-HpCDF	ng/kg	Variable			1.18	1.78	-	-	-	-	3.6	-	-	-	-	1.78
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			<0.47	<0.48	-	-	-	-	<DL	-	-	-	-	<DL
	1237 8-PBDD	ng/kg	Variable			<0.5	<0.5	-	-	-	-	<DL	-	-	-	-	<DL
	1234 78-HxBDD	ng/kg	Variable			<0.54	<0.54	-	-	-	-	<DL	-	-	-	-	<DL
	1236 78-HxBDD	ng/kg	Variable			<0.47	<0.47	-	-	-	-	<DL	-	-	-	-	<DL
	1237 89-HxBDD	ng/kg	Variable			<0.48	<0.49	-	-	-	-	<DL	-	-	-	-	<DL
	1234 678-HpBDD	ng/kg	Variable			<0.59	<0.6	-	-	-	-	<DL	-	-	-	-	<DL
	OBDD	ng/kg	Variable			<0.83	<0.85	-	-	-	-	<DL	-	-	-	-	<DL
	2378-TBDF	ng/kg	Variable			2.13	2.22	-	-	-	-	1.3	-	-	-	-	0.7
	1237 8-PBDF	ng/kg	Variable			1.7	1.51	-	-	-	-	0.6	-	-	-	-	<DL
	2347 8-PBDF	ng/kg	Variable			0.84	0.67	-	-	-	-	<DL	-	-	-	-	0.5
	1234 78-HxBDF	ng/kg	Variable			0.55	0.55	-	-	-	-	<DL	-	-	-	-	<DL
	1236 78-HxBDF	ng/kg	Variable			0.54	0.6	-	-	-	-	0.8	-	-	-	-	<DL
	2346 78-HxBDF	ng/kg	Variable			<0.45	<0.44	-	-	-	-	0	-	-	-	-	<DL
	1237 89-HxBDF	ng/kg	Variable			<0.5	<0.53	-	-	-	-	<DL	-	-	-	-	<DL
	1234 678-HpBDF	ng/kg	Variable			<0.41	<0.4	-	-	-	-	<DL	-	-	-	-	<DL
	1234 789-HpBDF	ng/kg	Variable			<0.47	<0.46	-	-	-	-	<DL	-	-	-	-	<DL
	OBDF	ng/kg	Variable			<0.58	<0.59	-	-	-	-	<DL	-	-	-	-	<DL
Organophosphorous flame retardants	Triphenylphosphate	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg				<0.15	<0.5	-	-	-	-	-	-	-	-	-	-
	Tris(2-ethylhexyl) phosphate	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Brominated flame retardents (PBDEs)	2,2',4-tribromodiphenyl ether (BDE-17)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,4,4'-tribromodiphenyl ether (BDE-28)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2',4,4'-tetrabromodiphenyl ether (BDE-47)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,3',4,4'-tetrabromodiphenyl ether (BDE-66)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2',3,4,4'-pentabromodiphenyl ether (BDE-85)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5-pentabromodiphenyl ether (BDE-99)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg				<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg				<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			<500	<500	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250			<250	<250	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5			<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6			<0.6	1.2	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				No Asbestos Detected	No Asbestos Detected										
	Asbestos Containing Material	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None				No Asbestos Detected	No Asbestos Detected										
	Asbestos Fibres (2)	None				-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None				soil,stones	soil,stones	Soil/Stones	soil,stones	Soil/Stones	soil,stones	Soil/Stone	Soil/Stone	soil,stones	Soil/Stone	Soil/Stone	Soil/Stone
	Asbestos Level Screen	None				-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	-	-	-	0.001	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	-	-	-	<0.001	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	<0.001	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	0.001	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	-	-	-	0.001	-	-	-	-	-
SVF / MMMF	Synthetic/MMMF	None				0	0	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			3.1	5.16	-	-	-	-	5.09	5.01	-	-	-	5.75
Inorganics	pH (Lab)	pH units	0.01			7.82	6.99	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			18	9.1	55.2	33.6	65.5	50.2	40.9	42.9	21.6	18.5	36.4	42.9
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg			10	0.21	0.38	1.65	0.53	0.46	1.37	0.93	0.31	0.11	0.87	0.7	1.13
	Xylene Total	ug/kg			43000000	0	0	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg				0	0	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				6.206	8.079	-	-	-	-	-	-	-	-	-	-
	Sum of PCDD/F +PCB12	ng/kg	Various			2253.236	3694.52	-	-	-	-	11574.91	-	-	-	-	6024.751
AECOM Calculated	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1	0.06	0.09	-	-	-	-	0.25	-	-	-	-	0.09

GAC: Generic Assesment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

					Monitoring_Zone	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green	32. Lancaster Green
					Location_Code	GTCS2-5311A	GTCS2-5312A	GTCS2-5313A	GTCS2-5313A	GTCS2-5313A	GTCS2-5314A	GTCS2-5315A	GTCS2-5316A	GTCS2-5317A	GTCS2-5317A	GTCS2-5317A	GTCS2-5318A	GTCS2-5319A	GTCS2-5320A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.02	0-0.2	0-0.2	0.35-0.44	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RE5_SLOAM_>3.48%TOC														
BARGE	Lead – total (BARGE method)	mg/kg	5		-	-	-	537	889	-	-	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5		-	-	-	422	759	-	-	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5		-	-	-	112	118	-	-	-	-	-	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0		-	-	-	79	85	-	-	-	-	-	-	-	-	-
Metals	Lead	mg/kg	5	630	45	61	146	469	544	21	52	26	19	18	29	32	37	23
	Antimony	mg/kg	1		1	-	-	-	-	-	-	-	1	1	1	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	<0.05	<0.05	<0.05	0.1	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	15000	<0.03	<0.03	<0.03	0.04	0.09	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	Anthracene	mg/kg	0.04	74000	<0.04	<0.04	<0.04	0.14	0.43	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Benz[a]anthracene	mg/kg	0.06	29	0.09	0.23	0.37	0.72	2.41	<0.06	<0.06	<0.06	<0.06	<0.06	0.13	0.24	<0.06	<0.06
	Benzo(a) pyrene	mg/kg	0.04		0.1	0.25	0.36	0.78	2.23	0.05	0.08	<0.04	<0.04	<0.04	0.12	0.24	<0.04	0.07
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	0.15	0.32	0.49	1.02	3.09	0.06	0.12	<0.05	<0.05	<0.05	0.16	0.32	<0.05	0.08
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		0.21	0.44	0.68	1.42	4.29	0.09	0.16	<0.07	<0.07	<0.07	0.22	0.45	<0.07	0.11
	Benzo(g,h,i)perylene	mg/kg	0.04	640	0.1	0.21	0.31	0.59	1.58	<0.04	0.09	<0.04	<0.04	<0.04	0.11	0.2	<0.04	0.06
	Benzo(k)fluoranthene	mg/kg	0.02	190	0.06	0.12	0.19	0.4	1.2	0.03	0.04	<0.02	<0.02	<0.02	0.06	0.13	<0.02	0.03
	Chrysene	mg/kg	0.02	57	0.09	0.19	0.36	0.82	2.29	0.05	0.06	<0.02	<0.02	0.04	0.11	0.23	<0.02	0.04
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	<0.04	<0.04	0.06	0.14	0.44	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Fluoranthene	mg/kg	0.03	3100	0.12	0.21	0.57	1.65	3.88	0.05	0.06	<0.03	0.04	0.05	0.15	0.32	<0.03	0.06
	Fluorene	mg/kg	0.04	9900	<0.04	<0.04	<0.04	0.06	0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	0.1	0.21	0.31	0.6	1.64	<0.04	0.09	<0.04	<0.04	<0.04	0.1	0.2	<0.04	0.06
	Naphthalene	mg/kg	0.04	4900	<0.04	<0.04	<0.04	0.05	0.09	<0.04	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	3100	0.04	0.07	0.21	1	1.5	<0.03	<0.03	<0.03	<0.03	<0.03	0.11	0.09	<0.03	<0.03
	Pyrene	mg/kg	0.03	7400	0.1	0.19	0.49	1.37	3.08	0.05	0.06	<0.03	0.04	0.04	0.13	0.27	<0.03	0.04
	PAH 16 Total	mg/kg	0.6		1	2	3.7	9.5	24.1	<0.6	0.6	<0.6	<0.6	<0.6	1.3	2.2	<0.6	<0.6
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		0.0139	-	-	-	-	-	-	-	0.00507	0.00192	0.00694	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		0.000424	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		0.111	-	-	-	-	-	-	-	0.0529	0.0274	0.0427	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		0.00289	-	-	-	-	-	-	-	0.00147	0.00125	<DL	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		0.472	-	-	-	-	-	-	-	0.473	0.474	0.475	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		0.00231	-	-	-	-	-	-	-	0.00195	0.000782	0.00082	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.00132	-	-	-	-	-	-	-	0.000868	0.000864	<DL	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		0.0492	-	-	-	-	-	-	-	0.0185	0.0132	0.0412	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		0.0138	-	-	-	-	-	-	-	0.0053	0.00304	0.00658	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		0.0215	-	-	-	-	-	-	-	0.00811	0.00543	0.0213	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.000244	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		0.00484	-	-	-	-	-	-	-	0.00238	0.00178	0.0209	-	-	-
Chlorinated Dioxins and	2378-TCDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	0.939	<DL	-	-	-
Furans	12378-PeCDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123478-HxCDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123678-HxCDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	0.477	<DL	-	-	-
	123789 HxCDD	ng/kg	Variable		0.312	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	1234678-HpCDD	ng/kg	Variable		31.4	-	-	-	-	-	-	-	29	16.8	33	-	-	-
	OCDD	ng/kg	Variable		196	-	-	-	-	-	-	-	157	104	236	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable		1.77	-	-	-	-	-	-	-	0.87	0.762	0.968	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable		1.37	-	-	-	-	-	-	-	0.492	0.447	0.61	-	-	-
	OCDF	ng/kg	Variable		8.37	-	-	-	-	-	-	-	5	4.29	6.84	-	-	-
	2378-TCDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	12378-PeCDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	23478-PeCDF	ng/kg	Variable		0.834	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123478-HxCDF	ng/kg	Variable		0.877	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123678-HxCDF	ng/kg	Variable		1.37	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	234678-HxCDF	ng/kg	Variable		1	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123789-HxCDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	1234678-HpCDF	ng/kg	Variable		7.35	-	-	-	-	-	-	-	4.01	2.9	3.72	-	-	-
	1234789-HpCDF	ng/kg	Variable		0.523	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
Brominated Dioxins and	2378-TBDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
Furans	12378-PBDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123478-HxBDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123678-HxBDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123789-HxBDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	1234678-HpBDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	OBDD	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	2378-TBDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	0.7	0.8	0.7	-	-	-
	12378-PBDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	0.5	<DL	-	-	-
	23478-PBDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123478-HxBDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123678-HxBDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	234678-HxBDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	123789-HxBDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	1234678-HpBDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	1234789-HpBDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
	OBDF	ng/kg	Variable		<DL	-	-	-	-	-	-	-	<DL	<DL	<DL	-	-	-
Asbestos	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	ACM Debris	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			Soil/Stones	soil.stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	soil.stones	Soil/Stone
	Asbestos Level Screen	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Asbestos level cannot be determined from Screen. Quantification required.	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001		-	-	-	-	0.003	-	-	-	-	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001		-	-	-	-	<0.001	-	-	-	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001		-	-	-	-	<0.001	-	-	-	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001		-	-	-	-	0.003	-	-	-	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001		-	-	-	-	0.003	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02		4.12	-	-	-	-	-	-	-	26.03	2.96	2.15	1.3	-	-	-
Other	Natural Moisture Content	percent	0.1		30.2	76.3	48.7	20.6	21.6	31.7	56.4	84	37.4	23.7	22.1	43.8	32.9	42.4
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	0.1	0.25	0.36	0.78	2.23	0.05	0.08	0	0	0	0.12	0.24	0	0.07
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		944.604	-	-	-	-	-	-	-	765.92	660.281	896.578	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-		1	0.01	-	-	-	-	-	-	-	0.01	0.004	0.005	-	-	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

					Monitoring_Zone	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House
					Location_Code	GTCS 1-35	GTCS 1-36	GTCS2-S321A	GTCS2-S322A	GTCS2-S323A	GTCS2-S324A	GTCS2-S325A	GTCS2-S326A	GTCS2-S327A	GTCS2-S328A	GTCS2-S329A	GTCS2-S330A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	04/06/2019	04/06/2019	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48 %TOC													
BARGE	Lead – total (BARGE method)	mg/kg	5		-	-	-	-	-	-	-	-	584	-	-	-	
	Bioaccessible Lead – stomach	mg/kg	5		-	-	-	-	-	-	-	-	398	-	-	-	
	Bioaccessible Lead – stomach and intestine	mg/kg	5		-	-	-	-	-	-	-	-	127	-	-	-	
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0		-	-	-	-	-	-	-	-	68	-	-	-	
VOC TIC	VOC TICs	None			<DL	<DL	-	-	-	-	-	-	-	-	-	-	
Metals	Aluminium	mg/kg	50		9603	13,789	-	-	-	-	-	-	-	-	-	-	
	Arsenic	mg/kg	0.5	79	17.2	16.1	-	-	-	-	-	-	-	-	-	-	
	Barium	mg/kg	1		186	235	-	-	-	-	-	-	-	-	-	-	
	Beryllium	mg/kg	0.5	2.2	1.3	1.4	-	-	-	-	-	-	-	-	-	-	
	Boron	mg/kg	0.1	21000	2.5	2.2	-	-	-	-	-	-	-	-	-	-	
	Cadmium	mg/kg	0.1	220	0.7	0.7	-	-	-	-	-	-	-	-	-	-	
	Chromium (Trivalent)	mg/kg	0.5	1500	-	34	-	-	-	-	-	-	-	-	-	-	
	Chromium (hexavalent)	mg/kg	0.3	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	
	Chromium (III+VI)	mg/kg	0.5	1500	97.8	34	-	-	-	-	-	-	-	-	-	-	
	Copper	mg/kg	1	12000	90	110	-	-	-	-	-	-	-	-	-	-	
	Lead	mg/kg	5	630	312	341	298	389	258	331	292	295	447	81	241	78	
	Mercury	mg/kg	0.1	120	0.7	0.3	-	-	-	-	-	-	-	-	-	-	
	Nickel	mg/kg	0.7	230	26.1	26.4	-	-	-	-	-	-	-	-	-	-	
	Selenium	mg/kg	1	1100	2	1	-	-	-	-	-	-	-	-	-	-	
	Vanadium	mg/kg	1	2000	56	53	-	-	-	-	-	-	-	-	-	-	
	Zinc	mg/kg	5	81000	243	337	-	-	-	-	-	-	-	-	-	-	
	Antimony	mg/kg	1		-	-	-	6	-	-	-	-	6	-	-	-	
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	1,1,1-trichloroethane	ug/kg	5	140000000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,1,2-trichloroethane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloroethane	ug/kg	6		<6	<6	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloroethene	ug/kg	6		<6	<6	-	-	-	-	-	-	-	-	-	-	
	1,1-dichloropropene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,2,3-trichlorobenzene	ug/kg	7	1800000	<7	<7	-	-	-	-	-	-	-	-	-	-	
	1,2,3-trichloropropane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,2,4-trimethylbenzene	ug/kg	6		<6	<6	-	-	-	-	-	-	-	-	-	-	
	1,2-dibromo-3-chloropropane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,2-dibromoethane	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,2-dichloroethane	ug/kg	5	29000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	1,2-dichloropropane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,3,5-trimethylbenzene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	
	1,3-dichloropropane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	2,2-dichloropropane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	2-chlorotoluene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	
	4-chlorotoluene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	
	Benzene	ug/kg	5	140,000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Bromobenzene	ug/kg	2		<2	<2	-	-	-	-	-	-	-	-	-	-	
	Bromochloromethane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	Bromodichloromethane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	Bromoform	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	Bromomethane	ug/kg	1		<1	<1	-	-	-	-	-	-	-	-	-	-	
	Carbon tetrachloride	ug/kg	4	950000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Chlorobenzene	ug/kg	4	14000000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Chlorodibromomethane	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	
	Chloroethane	ug/kg	6		<6	7	-	-	-	-	-	-	-	-	-	-	
	Chloroform	ug/kg	5	2500000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Chloromethane	ug/kg	3		6	19	-	-	-	-	-	-	-	-	-	-	
	cis-1,2-dichloroethene	ug/kg	7		<7	<7	-	-	-	-	-	-	-	-	-	-	
	cis-1,3-dichloropropene	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	Dibromomethane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	Dichlorodifluoromethane	ug/kg	2		<2	<2	-	-	-	-	-	-	-	-	-	-	
	Dichloromethane	ug/kg	30		<30	<30	-	-	-	-	-	-	-	-	-	-	
	Ethylbenzene	ug/kg	3	25000000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	Isopropylbenzene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	
	MTBE	ug/kg	6		<6	<6	-	-	-	-	-	-	-	-	-	-	
	n-butylbenzene	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	n-propylbenzene	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	sec-butylbenzene	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	Styrene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	
	tert-butylbenzene	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	
	Tetrachloroethene	ug/kg	3	1400000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	Toluene	ug/kg	3	56000000	<3	<3	-	-	-	-	-	-	-	-	-	-	
	trans-1,2-dichloroethene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	
	trans-1,3-dichloropropene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	
	Trichloroethene	ug/kg	5	120000	<5	<5	-	-	-	-	-	-	-	-	-	-	
	Trichlorofluoromethane	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	
	Xylene (m & p)	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	
	Xylene (o)	ug/kg	4	43000000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Vinyl chloride	ug/kg	2	3500	<2	<2	-	-	-	-	-	-	-	-	-	-	
	Carbon disulfide	mg/kg	0.003	11000	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	
SVOCs	2-methylnaphthalene	ug/kg	10		47	<10	-	-	-	-	-	-	121	-	-	-	
	4-bromophenyl phenyl ether	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-chlorophenyl phenyl ether	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	Azobenzene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	Bis(2-chloroethoxy) methane	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	Bis(2-chloroethyl)ether	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	Carbazole	ug/kg	10		57	112	-	-	-	-	-	-	-	-	-	-	
	Dibenzofuran	ug/kg	10		25	56	-	-	-	-	-	-	-	-	-	-	
	Hexachlorobutadiene	ug/kg	4	25000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Hexachlorocyclopentadiene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	Hexachloroethane	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Anilines	2-nitroaniline	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	3-nitroaniline	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-chloroaniline	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-nitroaniline	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	2,6-dinitrotoluene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	Nitrobenzene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-chloronaphthalene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-methylphenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-nitrophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-chloro-3-methylphenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-methylphenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	4-nitrophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	Phenol	ug/kg	10	1300000	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	2,4,6-trichlorophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	2,4-dichlorophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	2-chlorophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
	Pentachlorophenol	ug/kg	10	60000	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	<7	<7	-	-	-	-	-	-	-	-	-	-	
	1,2-dichlorobenzene	ug/kg	4	98000000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,3-dichlorobenzene	ug/kg	4	300000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	1,4-dichlorobenzene	ug/kg	4	17000000	<4	<4	-	-	-	-	-	-	-	-	-	-	
	Hexachlorobenzene	ug/kg	10	16000	<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		626	613	-	-	-	-	-	-	-	-	-	-	
	Butyl benzyl phthalate	ug/kg	100		<100	<100	-	-	-	-	-	-	-	-	-	-	
	Diethylphthalate	ug/kg	100		<100	<100	-	-	-	-	-	-	-	-	-	-	
	Dimethyl phthalate	ug/kg	100		<100	<100	-	-	-	-	-	-	-	-	-	-	
	Di-n-butyl phthalate	ug/kg	100		<100	<100	-	-	-	-	-	-	-	-	-	-	
	Di-n-octyl phthalate	ug/kg	100		<100	<100	-	-	-	-	-	-	-	-	-	-	
SVOC - Solvents	Isophorone	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	
SVOC TIC	Benzo(e)pyrene	ug/kg	100		-	574	-	-	-	-	-	-	-	-	-	-	
	Diphenyl sulfide	ug/kg	100		361	-	-	-	-	-	-	-	-	-	-	-	

					Monitoring_Zone	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House
					Location_Code	GTCS 1-35	GTCS 1-36	GTCS2-S321A	GTCS2-S322A	GTCS2-S323A	GTCS2-S324A	GTCS2-S325A	GTCS2-S326A	GTCS2-S327A	GTCS2-S328A	GTCS2-S329A	GTCS2-S330A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	04/06/2019	04/06/2019	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48 %TOC													
	p-Cymene	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1-methyl-	ug/kg	100		-	280	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	0.23	0.07	<0.05	0.15	<0.05	<0.05	<0.05	0.18	0.14	<0.05	0.07	<0.05	
	Acenaphthylene	mg/kg	0.03	15000	0.57	0.38	0.18	0.22	0.14	0.18	0.14	0.18	0.29	0.07	0.2	<0.03	
	Anthracene	mg/kg	0.04	74000	2.33	0.57	0.29	0.5	0.21	0.37	0.31	0.48	0.5	0.08	0.35	0.1	
	Benz(a)anthracene	mg/kg	0.06	29	4.32	2	1.26	1.83	0.86	1.36	1.12	1.61	2.06	0.48	1.54	0.28	
	Benzo(a) pyrene	mg/kg	0.04		3.97	2.81	1.41	2.14	0.98	1.54	1.28	1.88	2.78	0.64	1.8	0.31	
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	5.09	3.58	1.84	2.73	1.26	2	1.72	2.33	3.49	0.83	2.33	0.41	
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		7.07	4.97	2.55	3.79	1.75	2.78	2.39	3.24	4.85	1.15	3.23	0.57	
	Benzo(g,h,i)perylene	mg/kg	0.04	640	2.48	2.07	1.09	1.65	0.78	1.19	1.03	1.36	2.22	0.53	1.39	0.28	
	Benzo(k)fluoranthene	mg/kg	0.02	190	1.98	1.39	0.71	1.06	0.49	0.78	0.67	0.91	1.36	0.32	0.9	0.16	
	Chrysene	mg/kg	0.02	57	4.01	2.12	1.31	1.9	0.89	1.42	1.15	1.66	2.11	0.53	1.59	0.28	
	Coronene	mg/kg	0.04		0.38	0.46	-	-	-	-	-	-	-	-	-	-	
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	0.71	0.41	0.18	0.24	0.12	0.18	0.17	0.21	0.37	0.1	0.25	<0.04	
	Fluoranthene	mg/kg	0.03	3100	10.09	3.72	2.36	3.29	1.48	2.69	2.04	3.57	3.58	0.55	2.84	0.46	
	Fluorene	mg/kg	0.04	9900	0.27	0.08	<0.04	0.11	<0.04	0.05	<0.04	0.15	0.11	<0.04	0.07	<0.04	
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	2.48	2.08	1.09	1.61	0.75	1.17	1	1.36	2.18	0.53	1.4	0.25	
	Naphthalene	mg/kg	0.04	4900	0.16	0.15	0.07	0.08	<0.04	0.07	<0.04	0.13	0.12	<0.04	0.08	<0.04	
	Phenanthrene	mg/kg	0.03	3100	6.24	1.22	0.94	1.44	0.55	1.08	0.91	2.06	1.5	0.18	1.12	0.26	
	Pyrene	mg/kg	0.03	7400	7.95	3.4	2.04	2.97	1.3	2.29	1.76	3.05	3.18	0.51	2.53	0.4	
	PAH 16 Total	mg/kg	0.6		52.9	26.1	14.8	21.9	9.8	16.4	13.3	21.1	26	5.4	18.5	3.2	
	PAH 17 Total	mg/kg	0.64		53.26	26.51	-	-	-	-	-	-	-	-	-	-	
PCB (Dutch 7) congeners	PCB 28	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 52	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 101	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 118	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 138	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 153	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	
	PCB 180	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	
	Total PCB 7 Congeners	ug/kg	35		<35	<35	-	-	-	-	-	-	-	-	-	-	
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		0.0332	0.052	-	0.0537	-	-	-	-	0.0598	-	-	-	
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		0.00125	0.00153	-	0.00283	-	-	-	-	0.00286	-	-	-	
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		0.523	0.356	-	0.408	-	-	-	-	0.42	-	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		0.011	0.00677	-	0.0139	-	-	-	-	0.0141	-	-	-	
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		0.476	0.477	-	0.478	-	-	-	-	0.479	-	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		0.0251	0.0174	-	0.00371	-	-	-	-	0.0101	-	-	-	
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.0069	0.00842	-	0.00751	-	-	-	-	0.00993	-	-	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		0.194	0.163	-	0.157	-	-	-	-	0.175	-	-	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		0.0448	0.0426	-	0.0408	-	-	-	-	0.0476	-	-	-	
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		0.0723	0.0719	-	0.0618	-	-	-	-	0.0713	-	-	-	
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.00154	0.00152	-	0.00145	-	-	-	-	0.00125	-	-	-	
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		0.0142	0.0195	-	0.0139	-	-	-	-	0.0153	-	-	-	
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		5.11	7.1	-	3.38	-	-	-	-	2.63	-	-	-	
	12378-PeCDD	ng/kg	Variable		1.63	<DL	-	1.57	-	-	-	-	1.56	-	-	-	
	123478-HxCDD	ng/kg	Variable		1.1	1.4	-	1.39	-	-	-	-	1.39	-	-	-	
	123678-HxCDD	ng/kg	Variable		3.51	3.85	-	4.39	-	-	-	-	3.67	-	-	-	
	123789 HxCDD	ng/kg	Variable		2.2	2.27	-	2.16	-	-	-	-	2.07	-	-	-	
	1234678-HpCDD	ng/kg	Variable		51.5	75.4	-	65.5	-	-	-	-	82.7	-	-	-	
	OCDD	ng/kg	Variable		380	579	-	491	-	-	-	-	635	-	-	-	
	TEQ(1) (NATO)	ng/kg	Variable		7.5	8.25	-	6.74	-	-	-	-	9.06	-	-	-	
	TEQ(2) (NATO)	ng/kg	Variable		7.18	7.63	-	6.53	-	-	-	-	8.63	-	-	-	
	OCDF	ng/kg	Variable		25.9	31	-	35.4	-	-	-	-	56.7	-	-	-	
	2378-TCDD	ng/kg	Variable		<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-	
	12378-PeCDF	ng/kg	Variable		3.44	2.84	-	2.84	-	-	-	-	2.64	-	-	-	
	23478-PeCDF	ng/kg	Variable		4.7	5.68	-	3.34	-	-	-	-	5.93	-	-	-	
	123478-HxCDF	ng/kg	Variable		4.89	5.36	-	5.39	-	-	-	-	6.64	-	-	-	
	123678-HxCDF	ng/kg	Variable		4.24	4.09	-	3.51	-	-	-	-	4.79	-	-	-	
	234678-HxCDF	ng/kg	Variable		4.18	4.96	-	3.35	-	-	-	-	5.38	-	-	-	
	123789-HxCDF	ng/kg	Variable		0.552	<DL	-	<DL	-	-	-	-	<DL	-	-	-	
	1234678-HpCDF	ng/kg	Variable		33.6	36.3	-	38.2	-	-	-	-	55.6	-	-	-	
	1234789-HpCDF	ng/kg	Variable		1.49	1.64	-	1.13	-	-	-	-	1.94	-	-	-	
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-	
	12378-PBDD	ng/kg	Variable		<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-	
	123478-HxBDD	ng/kg	Variable		<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-	
	123678-HxBDD	ng/kg	Variable		<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-	
	123789-HxBDD	ng/kg	Variable		<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-	
	1234678-HpBDD	ng/kg	Variable		<DL	0.59	-	<DL	-	-	-	-	<DL	-	-	-	
	OBDD	ng/kg	Variable		<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-	
	2378-TBDF	ng/kg	Variable		2.81	3.39	-	0.8	-	-	-	-	<DL	-	-	-	
	12378-PBDF	ng/kg	Variable		1.75	1.95	-	<DL	-	-	-	-	<DL	-	-	-	
	23478-PBDF	ng/kg	Variable		0.9	1.6	-	0.6	-	-	-	-	<DL	-	-	-	
	123478-HxBDF	ng/kg	Variable		0.61	0.89	-	0.5	-	-	-	-	<DL	-	-	-	
	123678-HxBDF	ng/kg	Variable		0.58	0.67	-	<DL	-	-	-	-	<DL	-	-	-	
	234678-HxBDF	ng/kg	Variable		<DL	0.48	-	<DL	-	-	-	-	<DL	-	-	-	
	123789-HxBDF	ng/kg	Variable		<DL	0.37	-	<DL	-	-	-	-	<DL	-	-	-	
	1234678-HpBDF	ng/kg	Variable		<DL	0.51	-	<DL	-	-	-	-	<DL	-	-	-	
	1234789-HpBDF	ng/kg	Variable		<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-	
	OBDF	ng/kg	Variable		<DL	<DL	-	<DL	-	-	-	-	<DL	-	-	-	
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.15		<0.15	<0.15	-	-	-	-	-	-	-	-	-	-	
	Tris(2-ethylhexyl) phosphate	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5		<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5		<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5		<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5		<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5		<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5		<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1		<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	
Isocyanates	Isocyanic Acid	ug/kg	250		<250	<250	-	-	-	-	-	-	-	-	-	-	
	Methyl isocyanate	ug/kg	250		<250	<250	-	-	-	-	-	-	-	-	-	-	
	Ethyl Isocyanate	ug/kg	250		<250	<250	-	-	-	-	-	-	-	-	-	-	
	Propyl Isocyanate	ug/kg	250		<250	<250	-	-	-	-	-	-	-	-	-	-	
	Phenyl Isocyanate	ug/kg	250		<250	<250	-	-	-	-	-	-	-	-	-	-	
	Hexamethylene diisocyanate	ug/kg	250		<250	<250	-	-	-	-	-	-	-	-	-	-	
	2,4-Toluene Diisocyanate	ug/kg	250		<250	<250	-	-	-	-	-	-	-	-	-	-	
	2,6-Toluenediisocyanate	ug/kg	250		<250	<250	-	-	-	-	-	-	-	-	-	-	
	Isophorone Diisocyanate	ug/kg	500		<500	<500	-	-	-	-	-	-	-	-	-	-	
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		<250	<250	-	-	-	-	-	-	-	-	-	-	
Cyanides	Cyanide (Free)	mg/kg	0.5		<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	
	Cyanide Total	mg/kg	0.5		<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	
	Thiocyanate	mg/kg	0.6		0.9	0.9	-	-	-	-	-	-	-	-	-	-	
Asbestos	Asbestos Level	None			No Asbestos Detected	less than 0.1%	-	-	-	-	-	-	-	-	-	-	
	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos fibres	None			No Asbestos Detected	Fibre Bundles	-	-	-	-	-	-	-	-	-	-	
	Asbestos Fibres (2)	None			-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	Asbestos Type	None			No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
	General Description (Bulk Analysis)	None			soil.stones	soil-stones	Soil.Stone	Soil/Stone	Soil/Stone	Soil/Stones	soil.stones	soil.stones	Soil/Stones	soil.stones	soil.stones	Soil/Stone	
	Potentially Respirable Fibres per gram	None	0		-	0	-	-	-	-	-	-	-	-	-	-	
	Asbestos Level Screen	None			-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001		-	<0.001	-	-	-	-	-	-	-	-	-	-	

				Monitoring_Zone	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House	33. Robinson House
				Location_Code	GTCS 1-35	GTCS 1-36	GTCS2-S321A	GTCS2-S322A	GTCS2-S323A	GTCS2-S324A	GTCS2-S325A	GTCS2-S326A	GTCS2-S327A	GTCS2-S328A	GTCS2-S329A	GTCS2-S330A
				Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
				Sampled_Date_Time	04/06/2019	04/06/2019	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48 %TOC												
	Asbestos PCOM Quantification (Fibres)	mass %	0.001		-	<0.001	-	-	-	-	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001		-	<0.001	-	-	-	-	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001		-	<0.001	-	-	-	-	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001		-	<0.001	-	-	-	-	-	-	-	-	-	-
SVF / MMMF	Synthetic/MMMF	None			0	0	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02		5.33	3.87	-	4.22	-	-	-	-	6.42	3.7	-	-
Inorganics	pH (Lab)	pH units	0.01		7.58	7.63	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1		11.7	9.7	46.8	35.4	38.5	36.3	30.5	49.4	36.1	38.4	39.9	47.1
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	3.97	2.81	1.41	2.14	0.98	1.54	1.28	1.88	2.78	0.64	1.8	0.31
	Xylene Total	ug/kg		43000000	0	0	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			0	0	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg			8.234	8.073	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		1946.012	1994.41	-	1918.42	-	-	-	-	2192.57	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	0.08	0.08	-	0.08	-	-	-	-	0.09	-	-	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

						Monitoring_Zone	34. Wesley Square	34. Wesley Square	34. Wesley Square	34. Wesley Square	34. Wesley Square	34. Wesley Square	34. Wesley Square	34. Wesley Square	34. Wesley Square	34. Wesley Square
						Location_Code	GTCS2-S331A	GTCS2-S332A	GTCS2-S333A	GTCS2-S334A	GTCS2-S335A	GTCS2-S336A	GTCS2-S337A	GTCS2-S338A	GTCS2-S339A	GTCS2-S340A
						Sample_Depth_Range	0-0.2	0-0.2	0-0.2	0-0.02	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
						Sampled_Date_Time	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_RES_SLOAM_-> 3.48%TOC	GAC_HH_RES+PL_SLOAM_ >3.48%TOC											
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	491	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5			-	-	342	-	-	-	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	117	-	-	-	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	70	-	-	-	-	-	-	-
Metals	Lead	mg/kg	5	630	200	292	304	369	337	268	324	227	213	133	313
	Antimony	mg/kg	1		198	-	-	5	-	-	-	-	4	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	1100	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	15000	920	0.1	0.09	0.08	0.13	0.13	0.12	0.1	0.28	0.06	0.15
	Anthracene	mg/kg	0.04	74000	11000	0.13	0.12	0.12	0.17	0.24	0.19	0.15	0.44	0.08	0.15
	Benz(a)anthracene	mg/kg	0.06	29	13	0.46	0.44	0.43	0.57	1.16	0.49	0.5	1.46	0.38	0.66
	Benzo(a) pyrene	mg/kg	0.04			0.64	0.59	0.52	0.77	1.06	0.73	0.67	1.5	0.39	0.67
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	3.7	0.93	0.78	0.72	0.98	1.35	0.97	0.89	2	0.52	0.91
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			1.29	1.08	1	1.36	1.87	1.35	1.23	2.78	0.72	1.26
	Benzo(g,h,i)perylene	mg/kg	0.04	640	350	0.51	0.47	0.44	0.65	0.79	0.63	0.54	1.07	0.31	0.52
	Benzo(k)fluoranthene	mg/kg	0.02	190	100	0.36	0.3	0.28	0.38	0.52	0.38	0.34	0.78	0.2	0.35
	Chrysene	mg/kg	0.02	57	27	0.64	0.53	0.53	0.69	0.96	0.6	0.63	1.37	0.39	0.66
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	0.3	0.09	0.08	0.1	0.13	0.16	0.12	0.12	0.18	<0.04	0.08
	Fluoranthene	mg/kg	0.03	3100	890	1.18	0.85	0.84	1.15	2.04	1.16	1.24	2.95	0.63	1.24
	Fluorene	mg/kg	0.04	9900	860	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	0.06
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	41	0.49	0.46	0.41	0.57	0.73	0.59	0.54	1.19	0.31	0.52
	Naphthalene	mg/kg	0.04	4900	13	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	3100	440	0.46	0.28	0.35	0.39	0.6	0.41	0.36	1.26	0.23	0.67
	Pyrene	mg/kg	0.03	7400	2000	1.07	0.76	0.76	1.02	1.82	1.03	1.09	2.32	0.52	1.02
	PAH 16 Total	mg/kg	0.6			7.1	5.8	5.6	7.6	11.6	7.4	7.2	16.9	4	7.7
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	5		38	-	-	0.114	-	-	-	-	0.107	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	5		12	-	-	0.00371	-	-	-	-	0.00322	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	5		120	-	-	0.707	-	-	-	-	0.682	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	5		120	-	-	0.0118	-	-	-	-	0.013	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	5		120	-	-	0.48	-	-	-	-	0.481	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	5		120	-	-	0.0246	-	-	-	-	0.0525	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	5		0.036	-	-	0.0162	-	-	-	-	0.0222	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	5		120	-	-	0.491	-	-	-	-	0.469	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	5		120	-	-	0.129	-	-	-	-	0.135	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	5		120	-	-	0.211	-	-	-	-	0.199	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	5		0.12	-	-	0.00206	-	-	-	-	0.00233	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	5		130	-	-	0.0659	-	-	-	-	0.0614	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable			-	-	3.29	-	-	-	-	<DL	-	-
	12378-PeCDD	ng/kg	Variable			-	-	1.89	-	-	-	-	20.3	-	-
	123478-HxCDD	ng/kg	Variable			-	-	2.67	-	-	-	-	14.5	-	-
	123678-HxCDD	ng/kg	Variable			-	-	16.4	-	-	-	-	55.5	-	-
	123789 HxCDD	ng/kg	Variable			-	-	6.17	-	-	-	-	53.5	-	-
	1234678-HpCDD	ng/kg	Variable			-	-	724	-	-	-	-	1260	-	-
	OCDD	ng/kg	Variable			-	-	7540	-	-	-	-	7740	-	-
	TEQ(1) (NATO)	ng/kg	Variable			-	-	23.6	-	-	-	-	47.2	-	-
	TEQ(2) (NATO)	ng/kg	Variable			-	-	23.3	-	-	-	-	46.4	-	-
	OCDF	ng/kg	Variable			-	-	283	-	-	-	-	86.1	-	-
	2378-TCDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	12378-PeCDF	ng/kg	Variable			-	-	2.75	-	-	-	-	2.24	-	-
	23478-PeCDF	ng/kg	Variable			-	-	4.11	-	-	-	-	3.03	-	-
	123478-HxCDF	ng/kg	Variable			-	-	4.67	-	-	-	-	3.86	-	-
	123678-HxCDF	ng/kg	Variable			-	-	4.52	-	-	-	-	3.56	-	-
	234678-HxCDF	ng/kg	Variable			-	-	4.13	-	-	-	-	4.34	-	-
	123789-HxCDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpCDF	ng/kg	Variable			-	-	85.5	-	-	-	-	66.9	-	-
	1234789-HpCDF	ng/kg	Variable			-	-	5.08	-	-	-	-	3.61	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	12378-PBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123678-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123789-HxBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	OBDD	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	2378-TBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	12378-PBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	23478-PBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123478-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123678-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	234678-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	123789-HxBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234678-HpBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	1234789-HpBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
	OBDF	ng/kg	Variable			-	-	<DL	-	-	-	-	<DL	-	-
Asbestos	Asbestos Containing Material	None				No Asbestos Detected	ACM Debris	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Containing Material (2)	None				-	-	No Asbestos Detected	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (3)	None				-	-	Fibre Bundles	-	-	-	-	-	-	-
	Asbestos Type	None				No Asbestos Detected	Chrysotile	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type 2	None				-	-	Amosite	-	-	-	-	-	-	-
	General Description (Bulk Analysis)	None				soil.stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
	Asbestos Level Screen	None				No Asbestos Detected	less than 0.1%	Asbestos level cannot be determined from Screen. Quantification required.	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	<0.001	<0.001	-	-	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	<0.001	<0.001	-	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	<0.001	<0.001	-	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	<0.001	<0.001	-	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			-	<0.001	<0.001	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			-	-	3.78	-	-	-	-	6.44	5.5	-
Other	Natural Moisture Content	percent	0.1			28.6	28.3	29.4	43.4	33.6	33.2	45.9	41.3	56.4	39.5
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	5	0.64	0.59	0.52	0.77	1.06	0.73	0.67	1.5	0.39	0.67
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		8,700	-	-	10,991	-	-	-	-	11,639	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1	-	-	0.19	-	-	-	-	0.52	-	-

Comments

GAC: Generic Assessment Criteria

(blank): No assessment criteria available

- : Not analysed

HH: Human Health

					Monitoring_Zone	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)
					Location_Code	GTCS 1-31	GTCS 1-32	GTCS2-S341A	GTCS2-S342A	GTCS2-S343A	GTCS2-S344A	GTCS2-S345A	GTCS2-S346A	GTCS2-S347A	GTCS2-S348A	GTCS2-S349A	GTCS2-S350A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	07/06/2019	07/06/2019	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48% TOC													
BARGE	Lead – total (BARGE method)	mg/kg	5		-	-	-	-	-	-	412	-	-	-	-	-	
	Bioaccessible Lead – stomach	mg/kg	5		-	-	-	-	-	-	276	-	-	-	-	-	
	Bioaccessible Lead – stomach and intestine	mg/kg	5		-	-	-	-	-	-	112	-	-	-	-	-	
Bioaccessible Fraction	Bioaccessible Fraction (BAF) - Lead	percent	0		-	-	-	-	-	-	67	-	-	-	-	-	
VOC TIC	VOC TICs	None			<DL	<DL	-	-	-	-	-	-	-	-	-	-	-
Metals	Aluminium	mg/kg	50		18,930	5892	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.5	79	17.7	5.2	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	1		244	196	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.5	2.2	1.5	0.7	-	-	-	-	-	-	-	-	-	-	-
	Boron	mg/kg	0.1	21000	1.7	0.9	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.1	220	2.7	0.3	-	-	-	-	-	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	21	<0.3	<0.3	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5	1500	89.2	94	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1	1,300	95	25	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	5	630	301	63	360	145	357	319	395	153	272	133	331	125	
	Mercury	mg/kg	0.1	120	1.4	<0.1	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	0.7	230	30.5	13.4	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	1	1100	1	1	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	1	2000	64	30	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	5	81000	360	90	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	1		-	-	-	-	-	4	-	-	-	-	4	-	
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	<5	<5	-	-	-	-	-	-	-	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5	140000000	<5	<5	-	-	-	-	-	-	-	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	<3	<3	-	-	-	-	-	-	-	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethane	ug/kg	6		<6	<6	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethene	ug/kg	6		<6	<6	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloropropene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7	1800000	<7	<7	-	-	-	-	-	-	-	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6		<6	<6	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	1,2-dibromoethane	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloroethane	ug/kg	5	29000	<5	<5	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichloropropane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichloropropane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	2,2-dichloropropane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	2-chlorotoluene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	-
	4-chlorotoluene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	-
	Benzene	ug/kg	5	140,000	<5	<5	-	-	-	-	-	-	-	-	-	-	-
	Bromobenzene	ug/kg	2		<2	<2	-	-	-	-	-	-	-	-	-	-	-
	Bromochloromethane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Bromodichloromethane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Bromoform	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Bromomethane	ug/kg	1		<1	<1	-	-	-	-	-	-	-	-	-	-	-
	Carbon tetrachloride	ug/kg	4	950000	<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Chlorobenzene	ug/kg	4	14000000	<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Chlorodibromomethane	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	-
	Chloroethane	ug/kg	6		<6	<6	-	-	-	-	-	-	-	-	-	-	-
	Chloroform	ug/kg	5	2500000	<5	<5	-	-	-	-	-	-	-	-	-	-	-
	Chloromethane	ug/kg	3		12	7	-	-	-	-	-	-	-	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7		<7	<7	-	-	-	-	-	-	-	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Dibromomethane	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2		<2	<2	-	-	-	-	-	-	-	-	-	-	-
	Dichloromethane	ug/kg	30		<30	41	-	-	-	-	-	-	-	-	-	-	-
	Ethylbenzene	ug/kg	3	25000000	<3	<3	-	-	-	-	-	-	-	-	-	-	-
	Isopropylbenzene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	-
	MTBE	ug/kg	6		<6	<6	-	-	-	-	-	-	-	-	-	-	-
	n-butylbenzene	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	n-propylbenzene	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	sec-butylbenzene	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Styrene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	-
	tert-butylbenzene	ug/kg	5		<5	<5	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloroethene	ug/kg	3	1400000	<3	<3	-	-	-	-	-	-	-	-	-	-	-
	Toluene	ug/kg	3	56000000	<3	<3	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	-
	Trichloroethene	ug/kg	5	120000	<5	<5	-	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	ug/kg	3		<3	<3	-	-	-	-	-	-	-	-	-	-	-
	Xylene (m & p)	ug/kg	4		<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Xylene (o)	ug/kg	4	43000000	<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Vinyl chloride	ug/kg	2	3500	<2	<2	-	-	-	-	-	-	-	-	-	-	-
	Carbon disulfide	mg/kg	0.003	11000	<0.003	<0.003	-	-	-	-	-	-	-	-	-	-	-
SVOCs	2-methylnaphthalene	ug/kg	10		32	<10	-	-	-	-	-	-	-	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	Azobenzene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	Carbazole	ug/kg	10		49	23	-	-	-	-	-	-	-	-	-	-	-
	Dibenzofuran	ug/kg	10		24	<10	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobutadiene	ug/kg	4	25000	<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	Hexachloroethane	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	3-nitroaniline	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	4-chloroaniline	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	4-nitroaniline	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	Nitrobenzene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	2-chloronaphthalene	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	2-methylphenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	2-nitrophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	4-chloro-3-methylphenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	4-methylphenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	4-nitrophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	Phenol	ug/kg	10	1300000	<10	<10	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	2,4-dichlorophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	2-chlorophenol	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorophenol	ug/kg	10	60000	<10	<10	-	-	-	-	-	-	-	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	<7	<7	-	-	-	-	-	-	-	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4	98000000	<4	<4	-	-	-	-	-	-	-	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4	300000	<4	<4	-	-	-	-	-	-	-	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4	17000000	<4	<4	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobenzene	ug/kg	10	16000	<10	<10	-	-	-	-	-	-	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		594	<100	-	-	-	-	-	-	-	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100		<100	<100	-	-	-	-	-	-	-	-	-	-	-
	Diethylphthalate	ug/kg	100		<100	<100	-	-	-	-	-	-	-	-	-	-	-
	Dimethyl phthalate	ug/kg	100		<100	<100	-	-	-	-	-	-	-	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100		131	<100	-	-	-	-	-	-	-	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100		<100	<100	-	-	-	-	-	-	-	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10		<10	<10	-	-	-	-	-	-	-	-	-	-	-
SVOC TIC	SVOC TICs	None			-	0	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Acenaphthylene	mg/kg	0.03	15000	0.12	<0.03	0.19	0.06	0.26	0.2	0.26	<0.03	0.07	0.06	0.07	0.04	

					Monitoring_Zone	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)
					Location_Code	GTCS 1-31	GTCS 1-32	GTCS2-S341A	GTCS2-S342A	GTCS2-S343A	GTCS2-S344A	GTCS2-S345A	GTCS2-S346A	GTCS2-S347A	GTCS2-S348A	GTCS2-S349A	GTCS2-S350A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	07/06/2019	07/06/2019	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_RES_SLOAM_>3.48% TOC													
	Anthracene	mg/kg	0.04	74000	0.18	<0.04	0.16	0.18	0.23	0.15	0.36	0.09	0.07	0.08	0.11	<0.04
	Benz(a)anthracene	mg/kg	0.06	29	0.77	0.19	0.75	0.72	1.03	0.72	1.36	0.34	0.39	0.39	0.5	0.24
	Benzo(a) pyrene	mg/kg	0.04		0.96	0.19	0.99	0.74	1.32	0.94	1.62	0.4	0.43	0.46	0.54	0.28
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	1.27	0.27	1.33	1	1.72	1.28	2.11	0.51	0.58	0.61	0.72	0.37
	Benzo(b&(k)fluoranthene	mg/kg	0.07		1.76	0.38	1.85	1.39	2.39	1.78	2.93	0.71	0.81	0.85	1	0.52
	Benzo(g,h,i)perylene	mg/kg	0.04	640	0.79	0.16	0.85	0.5	1.04	0.91	1.3	0.31	0.4	0.39	0.44	0.26
	Benzo(k)fluoranthene	mg/kg	0.02	190	0.49	0.11	0.52	0.39	0.67	0.5	0.82	0.2	0.23	0.24	0.28	0.15
	Chrysene	mg/kg	0.02	57	0.76	0.13	0.82	0.71	1.04	0.85	1.53	0.37	0.33	0.43	0.52	0.26
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	0.15	<0.04	0.14	0.1	0.18	0.15	0.23	0.09	0.08	0.07	0.09	<0.04
	Fluoranthene	mg/kg	0.03	3100	1.41	0.19	1.46	1.58	1.82	1.19	2.76	0.54	0.53	0.63	0.91	0.37
	Fluorene	mg/kg	0.04	9900	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	0.74	0.15	0.83	0.55	1.01	0.79	1.27	0.3	0.39	0.35	0.41	0.21
	Naphthalene	mg/kg	0.04	4900	<0.04	<0.04	0.08	<0.04	0.18	0.06	0.11	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	3100	0.56	0.05	0.5	0.78	0.77	0.35	1	0.17	0.19	0.24	0.35	0.14
	Pyrene	mg/kg	0.03	7400	1.09	0.18	1.29	1.24	1.61	1.08	2.38	0.48	0.47	0.54	0.8	0.33
	PAH 16 Total	mg/kg	0.6		9.3	1.6	9.9	8.6	13	9.2	17.1	3.8	4.2	4.5	5.7	2.7
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		0.0913	0.0122	-	-	-	0.108	-	-	-	-	0.042	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		0.0029	<DL	-	-	-	0.00353	-	-	-	-	0.000929	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		0.886	0.111	-	-	-	1.57	-	-	-	-	0.561	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		0.0126	0.00257	-	-	-	0.0488	-	-	-	-	0.0194	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		0.482	0.483	-	-	-	3.93	-	-	-	-	1.18	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		0.0421	0.00502	-	-	-	0.208	-	-	-	-	0.0735	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.00406	<DL	-	-	-	0.0138	-	-	-	-	0.00659	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		0.486	0.0588	-	-	-	0.919	-	-	-	-	0.239	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		0.161	0.0128	-	-	-	0.257	-	-	-	-	0.0751	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		0.247	0.0292	-	-	-	0.384	-	-	-	-	0.101	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.000768	<DL	-	-	-	0.0013	-	-	-	-	0.000877	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		0.0638	0.00722	-	-	-	0.068	-	-	-	-	0.0238	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		<DL	<DL	-	-	-	3.48	-	-	-	-	<DL	-
	12378-PeCDD	ng/kg	Variable		0.766	<DL	-	-	-	<DL	-	-	-	-	0.743	-
	123478-HxCDD	ng/kg	Variable		<DL	<DL	-	-	-	1.81	-	-	-	-	1.15	-
	123678-HxCDD	ng/kg	Variable		4.84	1.61	-	-	-	6.9	-	-	-	-	2.91	-
	123789 HxCDD	ng/kg	Variable		<DL	<DL	-	-	-	2.78	-	-	-	-	2.14	-
	1234678-HpCDD	ng/kg	Variable		226	66.9	-	-	-	257	-	-	-	-	92	-
	OCDD	ng/kg	Variable		1670	492	-	-	-	2180	-	-	-	-	674	-
	TEQ(1) (NATO)	ng/kg	Variable		8.21	3.98	-	-	-	11.6	-	-	-	-	6.5	-
	TEQ(2) (NATO)	ng/kg	Variable		7.1	2.71	-	-	-	11.1	-	-	-	-	6.16	-
	OCDF	ng/kg	Variable		91	71.6	-	-	-	124	-	-	-	-	43	-
	2378-TCDD	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	12378-PeCDF	ng/kg	Variable		4.91	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	23478-PeCDF	ng/kg	Variable		<DL	<DL	-	-	-	4.48	-	-	-	-	4.25	-
	123478-HxCDF	ng/kg	Variable		<DL	<DL	-	-	-	6.62	-	-	-	-	4.08	-
	123678-HxCDF	ng/kg	Variable		4.77	<DL	-	-	-	4.45	-	-	-	-	2.3	-
	234678-HxCDF	ng/kg	Variable		6.12	<DL	-	-	-	5.52	-	-	-	-	4.19	-
	123789-HxCDF	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	1234678-HpCDF	ng/kg	Variable		82.8	131	-	-	-	76.4	-	-	-	-	33.3	-
	1234789-HpCDF	ng/kg	Variable		4.72	<3.012	-	-	-	3.82	-	-	-	-	1.81	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	12378-PBDD	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	123478-HxBDD	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	123678-HxBDD	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	123789-HxBDD	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	1234678-HpBDD	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	OBDD	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	2378-TBDF	ng/kg	Variable		3.78	3.91	-	-	-	<DL	-	-	-	-	<DL	-
	12378-PBDF	ng/kg	Variable		2.57	2.66	-	-	-	<DL	-	-	-	-	<DL	-
	23478-PBDF	ng/kg	Variable		1.29	1.68	-	-	-	<DL	-	-	-	-	<DL	-
	123478-HxBDF	ng/kg	Variable		1.85	1.29	-	-	-	<DL	-	-	-	-	<DL	-
	123678-HxBDF	ng/kg	Variable		0.75	0.89	-	-	-	<DL	-	-	-	-	<DL	-
	234678-HxBDF	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	123789-HxBDF	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	1234678-HpBDF	ng/kg	Variable		1.8	1.5	-	-	-	<DL	-	-	-	-	<DL	-
	1234789-HpBDF	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
	OBDF	ng/kg	Variable		<DL	<DL	-	-	-	<DL	-	-	-	-	<DL	-
Asbestos	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Asbestos Insulating Board Debris	No Asbestos Detected
	Asbestos Containing Material (2)	None			-	-	-	-	-	-	-	-	-	No Asbestos Detected	-	-
	Asbestos Fibres (2)	None			-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (3)	None			-	-	-	-	-	-	-	-	-	No Asbestos Detected	-	-
	Asbestos Type	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected
	Asbestos Type 2	None			-	-	-	-	-	-	-	-	-	No Asbestos Detected	-	-
	General Description (Bulk Analysis)	None			soil.stones	soil.stones	Soil/Stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	soil.stones	soil.stones	Soil/Stone
	Asbestos Level Screen	None			-	-	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Asbestos level cannot be determined from Screen. Quantification required.	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001		-	-	-	-	-	-	-	-	-	-	0.153	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001		-	-	-	-	-	-	-	-	-	-	0.002	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001		-	-	-	-	-	-	-	-	-	-	<0.001	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001		-	-	-	-	-	-	-	-	-	-	0.151	-
	Asbestos Quantification - Total - %	mass %	0.001		-	-	-	-	-	-	-	-	-	-	0.151	-
Total Organic Carbon	TOC	percent	0.02		4.83	3	-	-	-	6.78	-	-	-	-	2.78	4.3
Other	Natural Moisture Content	percent	0.1		8.2	5.8	56.9	47.8	62.8	52.3	54.4	41.8	33	39	24.8	41.8
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	0.96	0.19	0.99	0.74	1.32	0.94	1.62	0.4	0.43	0.46	0.54	0.28
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		4590.764	1491.61	-	-	-	10,211	-	-	-	-	3201.729	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	0.08	0.03	-	-	-	0.1	-	-	-	-	0.06	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

Table J36 - GQRA Screening Table for Area 36 - Maxilla Walk - Maxilla Hall / Maxilla Green

				Monitoring_Zone	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green
				Location_Code	GTCS2-S351A	GTCS2-S352A	GTCS2-S353A	GTCS2-S354A	GTCS2-S355A	GTCS2-S356A	GTCS2-S357A	GTCS2-S358A	GTCS2-S359A	GTCS2-S360A
				Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
				Sampled_Date_Time	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020
				GAC_HH_POS_RES_SLOAM_>3.48%TOC										
Chem_Group	**ChemName**	**output unit**	**EQL**											
Metals	Lead	mg/kg	5	630	90	143	190	297	169	419	230	221	194	166
	Antimony	mg/kg	1		-	-	-	-	-	-	-	-	-	4
PAH	Acenaphthene	mg/kg	0.05	15000	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	15000	0.05	0.08	0.16	0.1	0.08	0.2	0.11	<0.03	<0.03	0.05
	Anthracene	mg/kg	0.04	74000	0.05	0.1	0.18	0.12	0.08	0.32	0.19	0.05	<0.04	0.08
	Benz(a)anthracene	mg/kg	0.06	29	0.22	0.38	0.63	0.47	0.36	1.29	0.93	0.25	0.18	0.38
	Benzo(a) pyrene	mg/kg	0.04		0.21	0.44	0.82	0.56	0.4	1.55	0.96	0.34	0.2	0.4
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	0.28	0.59	1.08	0.71	0.5	2.08	1.25	0.44	0.24	0.52
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		0.39	0.82	1.5	0.99	0.69	2.89	1.74	0.61	0.34	0.72
	Benzo(g,h,i)perylene	mg/kg	0.04	640	0.21	0.39	0.79	0.4	0.29	1.1	0.67	0.26	0.16	0.31
	Benzo(k)fluoranthene	mg/kg	0.02	190	0.11	0.23	0.42	0.28	0.19	0.81	0.49	0.17	0.1	0.2
	Chrysene	mg/kg	0.02	57	0.19	0.36	0.64	0.48	0.33	1.44	0.86	0.25	0.15	0.37
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	<0.04	0.08	0.14	0.09	0.06	0.23	0.15	<0.04	<0.04	0.05
	Fluoranthene	mg/kg	0.03	3100	0.34	0.66	1.02	0.86	0.58	2.36	1.61	0.4	0.22	0.61
	Fluorene	mg/kg	0.04	9900	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	0.18	0.35	0.75	0.4	0.29	1.17	0.71	0.26	0.15	0.3
	Naphthalene	mg/kg	0.04	4900	<0.04	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	3100	0.1	0.25	0.36	0.31	0.21	0.74	0.45	0.12	0.05	0.26
	Pyrene	mg/kg	0.03	7400	0.3	0.6	0.93	0.74	0.5	2.08	1.4	0.38	0.22	0.56
	PAH 16 Total	mg/kg	0.6		2.2	4.5	7.9	5.5	3.9	15.4	9.8	2.9	1.7	4.1
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.0451
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.00135
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.667
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.0265
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	1.49
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.0188
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.0109
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.283
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.0814
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.11
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.000615
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		-	-	-	-	-	-	-	-	-	0.02
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	2.33
	12378-PeCDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	123478-HxCDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	0.764
	123678-HxCDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	1.97
	123789 HxCDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	0.95
	1234678-HpCDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	47.5
	OCDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	383
	TEQ(1) (NATO)	ng/kg	Variable		-	-	-	-	-	-	-	-	-	4.19
	TEQ(2) (NATO)	ng/kg	Variable		-	-	-	-	-	-	-	-	-	3.84
	OCDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	22.4
	2378-TCDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	12378-PeCDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	1.16
	23478-PeCDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	2.46
	123478-HxCDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	3.32
	123678-HxCDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	2.27
	234678-HxCDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	3.05
	123789-HxCDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	1234678-HpCDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	19.7
	1234789-HpCDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	1.68
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	12378-PBDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	123478-HxBDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	123678-HxBDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	123789-HxBDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	1234678-HpBDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	OBDD	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	2378-TBDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	0.7
	12378-PBDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	23478-PBDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	123478-HxBDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	0.5
	123678-HxBDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	234678-HxBDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	123789-HxBDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	1234678-HpBDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	1234789-HpBDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
	OBDF	ng/kg	Variable		-	-	-	-	-	-	-	-	-	<DL
Asbestos	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None			No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	soil.stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone
	Asbestos Level Screen	None			No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001		-	<0.001	-	-	-	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001		-	<0.001	-	-	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001		-	<0.001	-	-	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001		-	<0.001	-	-	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001		-	<0.001	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02		3.51	-	-	-	-	-	-	-	-	4.24
Other	Natural Moisture Content	percent	0.1		29.8	30.1	78.6	22.6	38.3	32.5	37.3	29.8	36.2	30.5
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	0.21	0.44	0.82	0.56	0.4	1.55	0.96	0.34	0.2	0.4
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		-	-	-	-	-	-	-	-	-	3255.249
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	-	-	-	-	-	-	-	-	-	0.05

GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

					Monitoring_Zone	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground
					Location_Code	GTCS2-S361A	GTCS2-S362A	GTCS2-S363A	GTCS2-S364A	GTCS2-S365A	GTCS2-S366A	GTCS2-S367A	GTCS2-S368A	GTCS2-S369A	GTCS2-S370A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020
				GAC_HH_POS_PRK_SLOAM_>3.48%TOC											
Chem_Group	ChemName	output unit	EQL												
Bioaccessible Fraction	Bioaccessible Fraction Anthracene	percent	0.1		-	37.6	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Acenaphthene	percent	0.1		-	81.8	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Acenaphthylene	percent	0.1		-	28	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(a)anthracene	percent	0.1		-	48.5	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(a)pyrene	percent	0.1		-	27.1	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(ghi)perylene	percent	0.1		-	32.4	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(bk)fluoranthene	percent	0.1		-	33.8	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Chrysene	percent	0.1		-	34.6	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Dibenzo(ah)anthracene	percent	0.1		-	47.4	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Fluoranthene	percent	0.1		-	41.2	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Indeno(123cd)pyrene	percent	0.1		-	23.5	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Phenanthrene	percent	0.1		-	31.4	-	-	-	-	-	-	-	-
	Bioaccessible Fraction Pyrene	percent	0.1		-	43.1	-	-	-	-	-	-	-	-
VOC TIC	VOC TICs	None			<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
Metals	Aluminium	mg/kg	50		16,680	-	15,210	-	6984	-	17,300	-	13,230	-
	Arsenic	mg/kg	0.5	170	13.1	-	12.4	-	9.2	-	16.2	-	11.8	-
	Barium	mg/kg	1		108	-	229	-	81	-	127	-	116	-
	Beryllium	mg/kg	0.5	63	1.2	-	1.1	-	0.7	-	1.5	-	1.2	-
	Boron	mg/kg	0.1	46000	3	-	1.3	-	1.7	-	3.3	-	5	-
	Cadmium	mg/kg	0.1	880	0.2	-	0.2	-	0.2	-	0.2	-	0.3	-
	Chromium (hexavalent)	mg/kg	0.3	250	<0.3	-	<0.3	-	<0.3	-	<0.3	-	<0.3	-
	Chromium (III+VI)	mg/kg	0.5	33,000	58.5	-	65.2	-	76.3	-	61.5	-	58.2	-
	Copper	mg/kg	1	44000	44	-	40	-	30	-	65	-	57	-
	Lead	mg/kg	5	1300	123	302	256	158	101	98	157	101	124	137
	Mercury	mg/kg	0.1	240	0.4	-	0.2	-	0.2	-	0.4	-	0.4	-
	Nickel	mg/kg	0.7	800	24.9	-	17.3	-	13.7	-	25.9	-	20	-
	Selenium	mg/kg	1	1800	<1	-	<1	-	<1	-	1	-	2	-
	Vanadium	mg/kg	1	5000	60	-	60	-	36	-	74	-	58	-
	Zinc	mg/kg	5	170000	135	-	253	-	115	-	143	-	192	-
	Antimony	mg/kg	1		3	-	3	-	2	-	3	-	3	-
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	2100000	<5	-	<5	-	<5	-	<5	-	<5	-
	1,1,1-trichloroethane	ug/kg	5	100000000	<5	-	<5	-	<5	-	<5	-	<5	-
	1,1,2,2-tetrachloroethane	ug/kg	3	2300000	<3	-	<3	-	<3	-	<3	-	<3	-
	1,1,2-trichloroethane	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	1,1-dichloroethene	ug/kg	6		<6	-	<6	-	<6	-	<6	-	<6	-
	1,1-dichloroethene	ug/kg	6		<6	-	<6	-	<6	-	<6	-	<6	-
	1,1-dichloropropene	ug/kg	3		<3	-	<3	-	<3	-	<3	-	<3	-
	1,2,3-trichlorobenzene	ug/kg	7	1600000	<7	-	<7	-	<7	-	<7	-	<7	-
	1,2,3-trichloropropane	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	1,2,4-trimethylbenzene	ug/kg	6		<6	-	<6	-	<6	-	<6	-	<6	-
	1,2-dibromo-3-chloropropane	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	1,2-dibromoethane	ug/kg	3		<3	-	<3	-	<3	-	<3	-	<3	-
	1,2-dichloroethane	ug/kg	5	28000	<5	-	<5	-	<5	-	<5	-	<5	-
	1,2-dichloropropane	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	1,3,5-trimethylbenzene	ug/kg	3		<3	-	<3	-	<3	-	<3	-	<3	-
	1,3-dichloropropane	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	2,2-dichloropropane	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	2-chlorotoluene	ug/kg	3		<3	-	<3	-	<3	-	<3	-	<3	-
	4-chlorotoluene	ug/kg	3		<3	-	<3	-	<3	-	<3	-	<3	-
	Benzene	ug/kg	5	230000	<5	-	<5	-	<5	-	<5	-	<5	-
	Bromobenzene	ug/kg	2		<2	-	<2	-	<2	-	<2	-	<2	-
	Bromochloromethane	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	Bromodichloromethane	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	Bromoform	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	Bromomethane	ug/kg	1		<1	-	<1	-	<1	-	<1	-	<1	-
	Carbon tetrachloride	ug/kg	4	400000	<4	-	<4	-	<4	-	<4	-	<4	-
	Chlorobenzene	ug/kg	4	2900000	<4	-	<4	-	<4	-	<4	-	<4	-
	Chlorodibromomethane	ug/kg	5		<5	-	<5	-	<5	-	<5	-	<5	-
	Chloroethane	ug/kg	6		<6	-	<6	-	<6	-	<6	-	<6	-
	Chloroform	ug/kg	5	3100000	<5	-	<5	-	<5	-	<5	-	<5	-
	Chloromethane	ug/kg	3		27	-	31	-	11	-	24	-	24	-
	cis-1,2-dichloroethene	ug/kg	7		<7	-	<7	-	<7	-	<7	-	<7	-
	cis-1,3-dichloropropene	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	Dibromomethane	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	Dichlorodifluoromethane	ug/kg	2		<2	-	<2	-	<2	-	<2	-	<2	-
	Dichloromethane	ug/kg	30		<30	-	<30	-	<30	-	<30	-	<30	-
	Ethylbenzene	ug/kg	3	27000000	<3	-	<3	-	<3	-	<3	-	<3	-
	Isopropylbenzene	ug/kg	3		<3	-	<3	-	<3	-	<3	-	<3	-
	MTBE	ug/kg	6		<6	-	<6	-	<6	-	<6	-	<6	-
	n-butylbenzene	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	n-propylbenzene	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	sec-butylbenzene	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	Styrene	ug/kg	3		<3	-	<3	-	<3	-	<3	-	<3	-
	tert-butylbenzene	ug/kg	5		<5	-	<5	-	<5	-	<5	-	<5	-
	Tetrachloroethene	ug/kg	3	1500000	<3	-	<3	-	<3	-	<3	-	<3	-
	Toluene	ug/kg	3	100000000	<3	-	<3	-	<3	-	<3	-	<3	-
	trans-1,2-dichloroethene	ug/kg	3		<3	-	<3	-	<3	-	<3	-	<3	-
	trans-1,3-dichloropropene	ug/kg	3		<3	-	<3	-	<3	-	<3	-	<3	-
	Trichloroethene	ug/kg	5	120000	<5	-	<5	-	<5	-	<5	-	<5	-
	Trichlorofluoromethane	ug/kg	3		<3	-	<3	-	<3	-	<3	-	<3	-
	Xylene (m & p)	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	Xylene (o)	ug/kg	4	33000000	<4	-	<4	-	<4	-	<4	-	<4	-
	Vinyl chloride	ug/kg	2	5400	<2	-	<2	-	<2	-	<2	-	<2	-
	Carbon disulfide	mg/kg	0.003	2700	<0.003	-	<0.003	-	<0.003	-	<0.003	-	<0.003	-
SVOCs	2-methylnaphthalene	ug/kg	10		<10	-	<10	-	<10	-	<10	-	21	-
	4-bromophenyl phenyl ether	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	4-chlorophenyl phenyl ether	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	Azobenzene	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	Bis(2-chloroethoxy) methane	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	Bis(2-chloroethyl)ether	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	Carbazole	ug/kg	10		<10	-	<10	-	<10	-	40	-	79	-
	Dibenzofuran	ug/kg	10		<10	-	<10	-	<10	-	18	-	40	-
	Hexachlorobutadiene	ug/kg	4	51000	<4	-	<4	-	<4	-	<4	-	<4	-
	Hexachlorocyclopentadiene	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	Hexachloroethane	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	3-nitroaniline	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	4-chloroaniline	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	4-nitroaniline	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	2,6-dinitrotoluene	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	Nitrobenzene	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	2-chloronaphthalene	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	2-methylphenol	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	2-nitrophenol	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	4-chloro-3-methylphenol	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	4-methylphenol	ug/kg	10		<10	-	<10	-	128	-	<10	-	<10	-
	4-nitrophenol	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	Phenol	ug/kg	10	1300000	<10	-	<10	-	13	-	69	-	68	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	2,4,6-trichlorophenol	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	2,4-dichlorophenol	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	2-chlorophenol	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
	Pentachlorophenol	ug/kg	10	120000	<10	-	<10	-	<10	-	<10	-	<10	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	4000000	<7	-	<7	-	<7	-	<7	-	<7	-
	1,2-dichlorobenzene	ug/kg	4	51000000	<4	-	<4	-	<4	-	<4	-	<4	-
	1,3-dichlorobenzene	ug/kg	4	470000	<4	-	<4	-	<4	-	<4	-	<4	-

				Monitoring_Zone	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground
				Location_Code	GTCS2-S361A	GTCS2-S362A	GTCS2-S363A	GTCS2-S364A	GTCS2-S365A	GTCS2-S366A	GTCS2-S367A	GTCS2-S368A	GTCS2-S369A	GTCS2-S370A
				Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
				Sampled_Date_Time	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020
				GAC_HH_POS_PRK_SLOAM_>3.48%TOC										
Chem_Group	**ChemName**	**output unit**	**EQL**											
	1,4-dichlorobenzene	ug/kg	4	36000000	<4	-	<4	-	<4	-	<4	-	<4	-
	Hexachlorobenzene	ug/kg	10	30000	<10	-	<10	-	<10	-	<10	-	<10	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		<100	-	<100	-	<100	-	<100	-	<100	-
	Butyl benzyl phthalate	ug/kg	100		<100	-	<100	-	<100	-	<100	-	<100	-
	Diethylphthalate	ug/kg	100		<100	-	<100	-	<100	-	<100	-	<100	-
	Dimethyl phthalate	ug/kg	100		<100	-	<100	-	<100	-	<100	-	<100	-
	Di-n-butyl phthalate	ug/kg	100		<100	-	<100	-	<100	-	<100	-	<100	-
	Di-n-octyl phthalate	ug/kg	100		<100	-	<100	-	<100	-	<100	-	<100	-
SVOC - Solvents	Isophorone	ug/kg	10		<10	-	<10	-	<10	-	<10	-	<10	-
SVOC TIC	Benzothiazole	mg/kg	0.1		-	-	0.219	-	0.201	-	-	-	0.185	-
	11H-Benzo(b)fluorene	ug/kg	100		-	-	-	-	-	-	-	-	720	-
	9,10-Dimethylanthracene	ug/kg	100		-	-	-	-	-	-	-	-	264	-
	Anthracene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	299	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100		-	-	-	-	-	-	-	-	345	-
	Benzo[b]naphtho[2,3-d]thiophene	ug/kg	100		-	-	-	-	-	-	-	-	213	-
	Benzo(e)pyrene	ug/kg	100		-	-	-	-	-	-	551	-	1670	-
	Chrysene, 6-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	507	-
	Eicosane	ug/kg	100		-	-	295	-	-	-	-	-	-	-
	Hexathiane	ug/kg	100		155	-	-	-	-	-	-	-	-	-
	Nonadecane	ug/kg	100		-	-	-	-	303	-	-	-	-	-
	Octadecane	ug/kg	100		-	-	-	-	418	-	296	-	650	-
	p-Cymene	ug/kg	4		<4	-	<4	-	<4	-	<4	-	<4	-
	Phenanthrene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	184	-
	Pyrene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	618	-
	Tetracosane	ug/kg	100		-	-	-	-	-	-	-	-	436	-
	9-Octadecenoic acid, (E)-	ug/kg	100		-	-	-	-	968	-	-	-	-	-
	Heptadecane, 9-octyl-	ug/kg	100		-	-	-	-	1411	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	30000	<0.05	0.54	<0.05	0.07	<0.05	0.2	0.07	<0.05	0.11	0.08
	Acenaphthylene	mg/kg	0.03	30000	<0.03	0.94	<0.03	0.34	0.09	0.32	0.12	0.2	0.56	0.45
	Anthracene	mg/kg	0.04	150000	<0.04	3.1	0.08	0.47	0.13	0.97	0.32	0.34	0.85	0.62
	Benz[a]anthracene	mg/kg	0.06	62	0.21	13.25	0.47	2.23	0.59	2.9	1.41	1.6	3.74	3.18
	Benzo(a) pyrene	mg/kg	0.04		0.23	13.71	0.52	2.73	0.71	2.79	1.61	1.79	4.33	3.82
	Benzo(b)fluoranthene	mg/kg	0.05	16	0.32	17.33	0.74	3.61	0.95	3.69	2.15	2.34	5.77	4.85
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		0.44	24.07	1.03	5.02	1.32	5.12	2.99	3.25	8.02	6.74
	Benzo(g,h,i)perylene	mg/kg	0.04	1600	0.18	8.88	0.46	2.08	0.57	1.95	1.25	1.33	3.24	2.73
	Benzo(k)fluoranthene	mg/kg	0.02	440	0.12	6.74	0.29	1.41	0.37	1.43	0.84	0.91	2.25	1.89
	Chrysene	mg/kg	0.02	120	0.21	12.4	0.47	2.27	0.59	2.7	1.41	1.57	3.69	3.05
	Coronene	mg/kg	0.04		<0.04		0.09	-	0.12	-	0.24	-	0.68	-
	Dibenz(a,h)anthracene	mg/kg	0.04	1.4	<0.04	1.93	0.08	0.34	0.11	0.34	0.25	0.27	0.63	0.61
	Fluoranthene	mg/kg	0.03	6400	0.35	25.62	0.95	4.14	1.03	6.22	3.15	3.08	7.02	5.46
	Fluorene	mg/kg	0.04	20000	<0.04	0.62	<0.04	0.07	<0.04	0.17	0.07	0.06	0.13	0.08
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	180	0.18	9.06	0.46	2.28	0.59	2.03	1.38	1.49	3.45	3.16
	Naphthalene	mg/kg	0.04	3000	<0.04	0.31	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	0.07
	Phenanthrene	mg/kg	0.03	6300	0.14	9.77	0.28	1.09	0.28	2.94	1.13	0.93	1.98	1.2
	Pyrene	mg/kg	0.03	15000	0.3	21.73	0.83	3.65	0.92	5.03	2.7	2.63	6.01	4.85
	PAH 16 Total	mg/kg	0.6		-	145.9	-	26.8	-	33.7	-	18.5	-	36.1
	PAH 17 Total	mg/kg	0.64		2.24	-	5.72	-	7.05	-	18.1	-	44.54	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5		<5	-	<5	-	<5	-	<5	-	<5	-
	PCB 52	ug/kg	5		<5	-	<5	-	<5	-	<5	-	<5	-
	PCB 101	ug/kg	5		<5	-	<5	-	<5	-	<5	-	<5	-
	PCB 118	ug/kg	5		<5	-	<5	-	<5	-	<5	-	<5	-
	PCB 138	ug/kg	5		<5	-	<5	-	<5	-	<5	-	<5	-
	PCB 153	ug/kg	5		<5	-	<5	-	<5	-	<5	-	<5	-
	PCB 180	ug/kg	5		<5	-	<5	-	<5	-	<5	-	<5	-
	Total PCB 7 Congeners	ug/kg	35		<35	-	<35	-	<35	-	<35	-	<35	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		0.0158	-	0.0301	-	0.0139	-	0.065	-	0.0362	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		<DL	-	0.00144	-	<DL	-	0.0043	-	0.00145	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		0.108	-	0.299	-	0.0674	-	0.316	-	0.175	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		0.00288	-	0.0146	-	0.00197	-	0.00664	-	0.00663	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		0.232	-	0.653	-	0.142	-	0.647	-	0.368	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		0.00616	-	0.0163	-	0.00307	-	0.0177	-	0.00933	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.00307	-	0.00656	-	0.00136	-	0.0136	-	0.0103	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		0.0491	-	0.119	-	0.0306	-	0.0993	-	0.081	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		0.0122	-	0.0276	-	0.00952	-	0.0241	-	0.0211	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		0.0208	-	0.0442	-	0.0137	-	0.0403	-	0.0343	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		<DL	-	0.000959	-	0.000155	-	0.00343	-	0.0025	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		0.0054	-	0.00999	-	0.00402	-	0.0111	-	0.0106	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		<DL	-	<DL	-	<DL	-	16	-	<DL	-
	12378-PeCDD	ng/kg	Variable		<DL	-	<DL	-	<DL	-	3.49	-	<DL	-
	123478-HxCDD	ng/kg	Variable		<DL	-	1.23	-	<DL	-	2.73	-	1.97	-
	123678-HxCDD	ng/kg	Variable		1.15	-	4.43	-	1.7	-	12.9	-	11.2	-
	123789 HxCDD	ng/kg	Variable		<DL	-	2.2	-	1.15	-	7.07	-	5.98	-
	1234678-HpCDD	ng/kg	Variable		18.4	-	44.7	-	30.7	-	111	-	79.6	-
	OCDD	ng/kg	Variable		83.8	-	116	-	154	-	228	-	185	-
	TEQ(1) (NATO)	ng/kg	Variable		2.66	-	6.13	-	1.85	-	18.7	-	13.3	-
	TEQ(2) (NATO)	ng/kg	Variable		2	-	5.3	-	1.28	-	17.9	-	12.1	-
	OCDF	ng/kg	Variable		8.31	-	14.4	-	7.31	-	22.1	-	22.6	-
	2378-TCDD	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	12378-PeCDF	ng/kg	Variable		<DL	-	2.73	-	1.08	-	6.68	-	6.86	-
	23478-PeCDF	ng/kg	Variable		2.02	-	3.93	-	<DL	-	13.7	-	10.8	-
	123478-HxCDF	ng/kg	Variable		2.24	-	6.69	-	1.76	-	12	-	10.5	-
	123678-HxCDF	ng/kg	Variable		1.27	-	5.09	-	1.18	-	9.42	-	9.91	-
	234678-HxCDF	ng/kg	Variable		1.53	-	4.29	-	1.05	-	9.3	-	9.71	-
	123789-HxCDF	ng/kg	Variable		<DL	-	<DL	-	<DL	-	1.25	-	0.675	-
	1234678-HpCDF	ng/kg	Variable		9.53	-	21.5	-	7.1	-	53	-	34.4	-
	1234789-HpCDF	ng/kg	Variable		<DL	-	1.62	-	0.564	-	3.38	-	2.95	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	12378-PBDD	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	123478-HxBDD	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	123678-HxBDD	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	123789-HxBDD	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	1234678-HpBDD	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	OBDD	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	2378-TBDF	ng/kg	Variable		1.1	-	0.7	-	0.7	-	<DL	-	1.2	-
	12378-PBDF	ng/kg	Variable		0.6	-	0.9	-	<DL	-	<DL	-	<DL	-
	23478-PBDF	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	0.8	-
	123478-HxBDF	ng/kg	Variable		<DL	-	0.5	-	<DL	-	<DL	-	<DL	-
	123678-HxBDF	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	234678-HxBDF	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	123789-HxBDF	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	1234678-HpBDF	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	1234789-HpBDF	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
	OBDF	ng/kg	Variable		<DL	-	<DL	-	<DL	-	<DL	-	<DL	-
Organophosphorous flame retardants	Tris(1-chloro-2-propyl)phosphate	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	Tris(2-ethylhexyl) phosphate	mg/kg			<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Polybrominated biphenyls (PBBs)	4,4-dibromobiphenyl (PBB 15)	mg/kg			0.000024	-	0.000027	-	0.000013	-	0.000033	-	0.000058	-
	2,2'',4,5''-Tetrabromobiphenyl (PBB 49)	ug/kg			<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-
	2,2'',5,5''-Tetrabromobiphenyl (PBB 52)	ug/kg			<0.002	-	<0.002	-	<0.002	-	0.004	-	<0.002	-

					Monitoring_Zone	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground
					Location_Code	GTCS2-S361A	GTCS2-S362A	GTCS2-S363A	GTCS2-S364A	GTCS2-S365A	GTCS2-S366A	GTCS2-S367A	GTCS2-S368A	GTCS2-S369A	GTCS2-S370A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020
				GAC_HH_POS_PRK_SLOAM_>3.48%TOC											
Chem_Group	**ChemName**	**output unit**	**EQL**												
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg			<0.000002	-	<0.000002	-	<0.000002	-	<0.000002	-	<0.000002	-
	2,2",4,5,5"-Pentabromobiphenyl (PBB 101)	ug/kg			<0.002	-	<0.002	-	<0.002	-	<0.003	-	<0.002	-
	Hexabromobiphenyl (PBB 153)	mg/kg			<0.000002	-	0.000005	-	<0.000003	-	0.000012	-	<0.000006	-
	Perbromobiphenyl (PBB 209)	ug/kg			<0.05	-	<0.05	-	<0.05	-	<0.049	-	<DL	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg			<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg			<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-
Isocyanates	Isocyanic Acid	ug/kg	250		<250	-	<250	-	<250	-	<250	-	<250	-
	Methyl Isocyanate	ug/kg	250		<250	-	<250	-	<250	-	<250	-	<250	-
	Ethyl Isocyanate	ug/kg	250		<250	-	<250	-	<250	-	<250	-	<250	-
	Propyl Isocyanate	ug/kg	250		<250	-	<250	-	<250	-	<250	-	<250	-
	Phenyl Isocyanate	ug/kg	250		<250	-	<250	-	<250	-	<250	-	<250	-
	Hexamethylene diisocyanate	ug/kg	250		<250	-	<250	-	<250	-	<250	-	<250	-
	2,4-Toluene Diisocyanate	ug/kg	250		<250	-	<250	-	<250	-	<250	-	<250	-
	2,6-Toluenediisocyanate	ug/kg	250		<250	-	<250	-	<250	-	<250	-	<250	-
	Isophorone Diisocyanate	ug/kg	500		<500	-	<500	-	<500	-	<500	-	<500	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		<250	-	<250	-	<250	-	<250	-	<250	-
Cyanides	Cyanide (Free)	mg/kg	0.5		<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-
	Cyanide Total	mg/kg	0.5		<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-
	Thiocyanate	mg/kg	0.6		3.8	-	2.4	-	<0.6	-	1.9	-	1.9	-
Asbestos	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
	Asbestos Level Screen	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02		7.72	-	5.42	-	3.38	-	7.47	-	15.16	-
Other	Natural Moisture Content	percent	0.1		52	47.1	53.1	43.7	33.4	40	47.3	43.1	61	37.8
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		21	0.23	13.71	0.52	2.73	0.71	2.79	1.61	1.79	4.33	3.82
	Xylene Total	ug/kg		31000000	0	-	0	-	0	-	0	-	0	-
	Trichlorobenzene (total)	ug/kg			0	-	0	-	0	-	0	-	0	-
	Sum of PCDD/F +PCB12	ng/kg	Various	8,700	588.32	-	1462.99	-	498.419	-	1797.09	-	1173.97	-
AECOM Calculated	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	0.02	-	0.05	-	0.01	-	0.18	-	0.11	-

GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

				Monitoring_Zone	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs
				Location_Code	GTC52-5371A	GTC52-5372A	GTC52-5373A	GTC52-5374A	GTC52-5375A	GTC52-5376A	GTC52-5377A	GTC52-5378A	GTC52-5379A	GTC52-5380A
				Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
				Sampled_Date_Time	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020
				GAC_HH_POS_PRK_SLOAM_>3.48%TOC										
Chem_Group	**ChemName**	**output unit**	**EQL**											
Metals	Lead	mg/kg	5	1300	299	109	73	70	167	217	109	193	165	161
	Antimony	mg/kg	1		-	3	-	-	-	-	2	-	-	-
PAH	Acenaphthene	mg/kg	0.05	30000	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	30000	0.05	0.05	0.09	0.27	0.07	<0.03	<0.03	0.14	0.05	0.09
	Anthracene	mg/kg	0.04	150000	0.15	0.11	0.09	0.24	0.08	<0.04	<0.04	0.15	0.08	0.19
	Benz(a)anthracene	mg/kg	0.06	62	0.51	0.36	0.32	0.77	0.28	0.16	0.15	0.48	0.3	0.66
	Benzo(a) pyrene	mg/kg	0.04		0.65	0.41	0.38	1.04	0.35	0.16	0.13	0.58	0.37	0.78
	Benzo(b)fluoranthene	mg/kg	0.05	16	0.85	0.58	0.48	1.38	0.48	0.24	0.21	0.81	0.48	1.06
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		1.18	0.81	0.67	1.92	0.67	0.34	0.29	1.13	0.67	1.47
	Benzo[g,h,i]perylene	mg/kg	0.04	1600	0.49	0.36	0.27	0.77	0.3	0.14	0.11	0.54	0.27	0.56
	Benzo(k)fluoranthene	mg/kg	0.02	440	0.33	0.23	0.19	0.54	0.19	0.1	0.08	0.32	0.19	0.41
	Chrysene	mg/kg	0.02	130	0.62	0.45	0.38	0.97	0.35	0.21	0.17	0.59	0.38	0.77
	Dibenz(a,h)anthracene	mg/kg	0.04	1.4	0.11	<0.04	<0.04	0.16	<0.04	<0.04	<0.04	0.09	<0.04	0.12
	Fluoranthene	mg/kg	0.03	6400	1.07	0.91	0.7	1.6	0.62	0.34	0.33	0.97	0.68	1.46
	Fluorene	mg/kg	0.04	20000	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	180	0.44	0.3	0.26	0.72	0.25	0.13	0.11	0.5	0.24	0.53
	Naphthalene	mg/kg	0.04	3000	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	6300	0.49	0.41	0.22	0.42	0.27	0.13	0.13	0.34	0.27	0.5
	Pyrene	mg/kg	0.03	15000	0.98	0.79	0.63	1.42	0.57	0.3	0.29	0.88	0.61	1.31
	PAH 16 Total	mg/kg	0.6		6.7	5	4	10.3	3.8	1.9	1.7	6.4	3.9	8.4
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		-	0.102	-	-	-	-	0.0399	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		-	0.00521	-	-	-	-	0.0016	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		-	0.354	-	-	-	-	0.17	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		-	0.0125	-	-	-	-	0.00645	-	-	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		-	0.58	-	-	-	-	0.369	-	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		-	0.0193	-	-	-	-	0.0068	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		-	0.022	-	-	-	-	0.00343	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		-	0.171	-	-	-	-	0.0706	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		-	0.0454	-	-	-	-	0.0178	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		-	0.0712	-	-	-	-	0.0284	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		-	0.00287	-	-	-	-	0.000487	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		-	0.0163	-	-	-	-	0.00633	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		-	8.27	-	-	-	-	4.84	-	-	-
	12378-PeCDD	ng/kg	Variable		-	1.78	-	-	-	-	<DL	-	-	-
	123478-HxCDD	ng/kg	Variable		-	2.45	-	-	-	-	0.928	-	-	-
	123678-HxCDD	ng/kg	Variable		-	5.89	-	-	-	-	2.11	-	-	-
	123789 HxCDD	ng/kg	Variable		-	3.57	-	-	-	-	1.81	-	-	-
	1234678-HpCDD	ng/kg	Variable		-	158	-	-	-	-	22.3	-	-	-
	OCDD	ng/kg	Variable		-	1080	-	-	-	-	78.5	-	-	-
	TEQ(1) (NATO)	ng/kg	Variable		-	12.9	-	-	-	-	4.6	-	-	-
	TEQ(2) (NATO)	ng/kg	Variable		-	12.3	-	-	-	-	4.14	-	-	-
	OCDF	ng/kg	Variable		-	30.1	-	-	-	-	16.4	-	-	-
	2378-TCDD	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	12378-PeCDF	ng/kg	Variable		-	5.87	-	-	-	-	2.31	-	-	-
	23478-PeCDF	ng/kg	Variable		-	7.71	-	-	-	-	3.59	-	-	-
	123478-HxCDF	ng/kg	Variable		-	7.91	-	-	-	-	3.11	-	-	-
	123678-HxCDF	ng/kg	Variable		-	7.63	-	-	-	-	1.52	-	-	-
	234678-HxCDF	ng/kg	Variable		-	6.63	-	-	-	-	2.78	-	-	-
	123789-HxCDF	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpCDF	ng/kg	Variable		-	32.7	-	-	-	-	19.2	-	-	-
	1234789-HpCDF	ng/kg	Variable		-	2.5	-	-	-	-	0.971	-	-	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	12378-PBDD	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	123478-HxBDD	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	123678-HxBDD	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	123789-HxBDD	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpBDD	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	OBDD	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	2378-TBDF	ng/kg	Variable		-	0.9	-	-	-	-	0.6	-	-	-
	12378-PBDF	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	23478-PBDF	ng/kg	Variable		-	0.5	-	-	-	-	<DL	-	-	-
	123478-HxBDF	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	123678-HxBDF	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	234678-HxBDF	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	123789-HxBDF	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	1234678-HpBDF	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	1234789-HpBDF	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
	OBDF	ng/kg	Variable		-	<DL	-	-	-	-	<DL	-	-	-
Asbestos	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Fibres (2)	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
	Asbestos Level Screen	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Total Organic Carbon	TOC	percent	0.02		-	9.05	7.23	-	-	-	9.32	-	-	-
Other	Natural Moisture Content	percent	0.1		83.5	78.9	70.7	59.8	66.6	60.2	91.3	22.8	52.1	47.4
PDat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		21	0.65	0.41	0.38	1.04	0.35	0.16	0.13	0.58	0.37	0.78
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		-	2787.99	-	-	-	-	889.906	-	-	-
Comments	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	-	0.14	-	-	-	-	0.04	-	-	-

GAC: Generic Assessment Criteria

(blank): No assessment criteria available

- : Not analysed

HH: Human Health

					Monitoring_Zone	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon
					Location_Code	GTCS 101	GTCS 102	GTCS 103	GTCS 104	GTCS2-5381A	GTCS2-5381A	GTCS2-5381A	GTCS2-5381A	GTCS2-5382A	GTCS2-5383A	GTCS2-5384A	GTCS2-5385A	GTCS2-5385A	GTCS2-5385A	GTCS2-5386A	GTCS2-5387A	GTCS2-5388A	GTCS2-5389A	GTCS2-5389A	GTCS2-5389A	GTCS2-5390A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.05	0-0.05	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02
					Sampled_Date_Time	10/04/2019	10/04/2019	10/04/2019	10/04/2019	11/11/2020	11/11/2020	11/11/2020	10/11/2020	04/11/2020	10/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48%TOC																					
Bioaccessible Fraction	Bioaccessible Fraction Anthracene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	48.5	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(a)anthracene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	49.8	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(a)pyrene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(ghi)perylene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	37.6	-	-	-	-	-	-	-
	Bioaccessible Fraction Benzo(bk)fluoranthene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	42.4	-	-	-	-	-	-	-
	Bioaccessible Fraction Chrysene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	44.4	-	-	-	-	-	-	-
	Bioaccessible Fraction Dibenzo(ah)anthracene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	68	-	-	-	-	-	-	-
	Bioaccessible Fraction Fluoranthene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	51.7	-	-	-	-	-	-	-
	Bioaccessible Fraction Indeno(123cd)pyrene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	26.9	-	-	-	-	-	-	-
	Bioaccessible Fraction Phenanthrene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	47	-	-	-	-	-	-	-
	Bioaccessible Fraction Pyrene	percent	0.1		-	-	-	-	-	-	-	-	-	-	-	-	53.5	-	-	-	-	-	-	-
VOC TIC	VOC TICs	None			<DL	<DL	<DL	<DL	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	-	-	-	-
	5-Octadecene, (E)-	mg/kg	0.1		-	-	-	-	-	-	-	-	0.537	-	-	-	-	-	-	-	-	-	-	-
Metals	Aluminium	mg/kg	50		-	-	-	-	6688	11,650	10,610	-	7906	-	-	-	-	7583	-	6632	-	-	-	-
	Arsenic	mg/kg	0.5	79	5.2	9	6.4	6.6	5.8	8.4	15.9	-	6.5	-	-	-	-	7	-	6.3	-	-	-	-
	Barium	mg/kg	1		62	93	89	83	76	100	234	-	88	-	-	-	-	104	-	108	-	-	-	-
	Beryllium	mg/kg	0.5	2.2	0.7	1.3	0.7	0.7	0.7	0.9	1.1	-	0.7	-	-	-	-	0.8	-	0.6	-	-	-	-
	Boron	mg/kg	0.1	21000	-	-	-	-	2.7	1.8	1.1	-	2	-	-	-	-	2	-	1.6	-	-	-	-
	Cadmium	mg/kg	0.1	220	<0.1	<0.1	<0.1	0.1	0.1	0.1	0.2	-	0.1	-	-	-	-	<0.1	-	0.1	-	-	-	-
	Chromium (Trivalent)	mg/kg	0.5	1500	-	-	-	-	-	-	25.1	-	-	-	-	-	-	25.9	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	21	-	-	-	-	<0.3	<0.3	<0.3	-	<0.3	-	-	-	-	<0.3	-	<0.3	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5	1500	49	58.4	27.3	52.1	69	91	25.1	-	83.5	-	-	-	-	25.9	-	73.4	-	-	-	-
	Copper	mg/kg	1	12000	14	30	101	20	24	24	28	-	23	-	-	-	-	26	-	101	-	-	-	-
	Lead	mg/kg	5	630	17	72	52	57	55	55	168	39	56	45	32	50	172	49	47	35	27	29	46	34
	Mercury	mg/kg	0.1	120	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-
	Nickel	mg/kg	0.7	230	12.3	27.4	12.4	13	13.5	16.9	21.8	-	12.3	-	-	-	-	11.2	-	10.7	-	-	-	-
	Selenium	mg/kg	1	1100	<1	1	<1	<1	<1	<1	<1	-	<1	-	-	-	-	<1	-	<1	-	-	-	-
	Vanadium	mg/kg	1	2000	30	67	32	32	31	38	48	-	34	-	-	-	-	33	-	31	-	-	-	-
	Zinc	mg/kg	5	81000	63	90	126	82	86	84	132	-	83	-	-	-	-	134	-	93	-	-	-	-
	Antimony	mg/kg	1		-	-	-	-	2	2	4	-	2	-	-	-	-	3	-	2	1	1	2	-
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	<5	<5	<5	<5	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5	140000000	<5	<5	<5	<5	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	1,1-dichloroethane	ug/kg	6		<6	<6	<6	<6	<6	<6	<6	-	<6	-	-	-	-	<6	-	<6	-	-	-	-
	1,1-dichloroethene	ug/kg	6		<6	<6	<6	<6	<6	<6	<6	-	<6	-	-	-	-	<6	-	<6	-	-	-	-
	1,1-dichloropropene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7	1800000	<7	<7	<7	<7	<7	<7	<7	-	<7	-	-	-	-	<7	-	<7	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6		<6	<6	<6	<6	<6	<6	<6	-	<6	-	-	-	-	<6	-	<6	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	1,2-dibromoethane	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	1,2-dichloroethane	ug/kg	5	29000	<5	<5	<5	<5	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-
	1,2-dichloropropane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	1,3-dichloropropane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	2,2-dichloropropane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	2-chlorotoluene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	4-chlorotoluene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	Benzene	ug/kg	5	140,000	<5	<5	<5	<5	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-
	Bromobenzene	ug/kg	2		<2	<2	<2	<2	<2	<2	<2	-	<2	-	-	-	-	<2	-	<2	-	-	-	-
	Bromochloromethane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Bromodichloromethane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Bromoform	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Bromomethane	ug/kg	1		<1	<1	<1	<1	<1	<1	<1	-	<1	-	-	-	-	<1	-	<1	-	-	-	-
	Carbon tetrachloride	ug/kg	4	950000	<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Chlorobenzene	ug/kg	4	14000000	<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Chlorodibromomethane	ug/kg	5		<5	<5	<5	<5	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-
	Chloroethane	ug/kg	6		<6	<6	<6	<6	<6	<6	<6	-	<6	-	-	-	-	<6	-	<6	-	-	-	-
	Chloroform	ug/kg	5	2500000	<5	<5	<5	<5	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-
	Chloromethane	ug/kg	3		6	4	4	5	8	<3	<3	-	11	-	-	-	-	8	-	8	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7		<7	<7	<7	<7	<7	<7	<7	-	<7	-	-	-	-	<7	-	<7	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Dibromomethane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2		<2	<2	<2	<2	<2	<2	<2	-	<2	-	-	-	-	<2	-	<2	-	-	-	-
	Dichloromethane	ug/kg	30		<30	<30	<30	<30	<30	<30	<30	-	<30	-	-	-	-	<30	-	<30	-	-	-	-
	Ethylbenzene	ug/kg	3	25000000	<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	Isopropylbenzene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	MTBE	ug/kg	6		<6	<6	<6	<6	<6	<6	<6	-	<6	-	-	-	-	<6	-	<6	-	-	-	-
	n-butylbenzene	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	n-propylbenzene	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	sec-butylbenzene	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Styrene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	tert-butylbenzene	ug/kg	5		<5	<5	<5	<5	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-
	Tetrachloroethene	ug/kg	3	1400000	<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	Toluene	ug/kg	3	56000000	<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	Trichloroethene	ug/kg	5	120000	<5	<5	<5	<5	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-
	Trichlorofluoromethane	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	-	<3	-	-	-	-	<3	-	<3	-	-	-	-
	Xylene (m & p)	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Xylene (o)	ug/kg	4	43000000	<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Vinyl chloride	ug/kg	2	3500	<2	<2	<2	<2	<2	<2	<2	-	<2	-	-	-	-	<2	-	<2	-	-	-	-
	Carbon disulfide	mg/kg	0.003	11000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	-	<0.003	-	-	-	-	<0.003	-	<0.003	-	-	-	-
SVOCs	Dibenz[a,e]pyrene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-methylnaphthalene	ug/kg	10		<10	<10	<10	<10	<10	<10	13	-	<10	-	-	-	-	22	-	<10	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	Azobenzene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	Carbazole	ug/kg	10		<10	<10	<10	17	<10	14	32	-	23	-	-	-	-	62	-	<10	-	-	-	-
	Dibenzofuran	ug/kg	10		<10	<10	<10	<10	<10	<10	23	-	<10	-	-	-	-	97	-	<10	-	-	-	-
	Hexachlorobutadiene	ug/kg	4	25000	<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	Hexachloroethane	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	3-nitroaniline	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	4-chloroaniline	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	4-nitroaniline	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	Nitrobenzene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	2-chloronaphthalene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	2-methylphenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	2-nitrophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	4-chloro-3-methylphenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	4-methylphenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	4-nitrophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	Phenol	ug/kg	10	1300000	<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	2,4-dichlorophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	2-chlorophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
	Pentachlorophenol	ug/kg	10	60000	<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	<7	<7	<7	<7	<7	<7	<7	-	<7	-	-	-	-	<7	-	<7	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4	98000000	<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4	300000	<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4	17000000	<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	<4	-	<4	-	-	-	-
	Hexachlorobenzene	ug/kg	10	16000	<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		<100	163	143	135	<100	<100	<100	-	<100	-	-	-	-	<100	-	<100	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100		<100	<100	<100	<100	<100	<100	<100	-	<100	-	-	-	-	<100	-	<100	-	-	-	-
	Diethylphthalate	ug/kg	100		<100	<100	<100	<100	<100	<100	<100	-	<100	-	-	-	-	<100	-	<100	-	-	-	-
	Dimethyl phthalate	ug/kg	100		<100	<100	<100	<100	<100	<100	<100	-	<100	-	-	-	-	<100	-	<100	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100		<100	<100	<100	<100	<100	<100	<100	-	<100	-	-	-	-	<100	-	<100	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100		<100	<100	<100	<100	<100	<100	<100	-	<100	-	-	-	-	<100	-	<100	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	-	<10	-	-	-	-	<10	-	<10	-	-	-	-
SVOC TIC	1,1-Biphenyl]-4-carboxaldehyde	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	321	-	-	-	-	-	-
	11H-Benzo[a]carbazole	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	963	-	-	-	-	-	-
	11H-Benzo[a]fluoren-11-one	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	358	-	-	-	-	-	-
	11H-Benzo[a]fluorene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	2165	-	-	-	-	-	-
	11H-Benzo[b]fluorene	ug/kg	100		-	-	-	-	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	634	-	-	-	-	-	-
	2,9-Dimethyl-2,3,4,5,6,7hexahydro-1H-2-benzazonine	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	387	-	-	-	-	-	-
	4H-Cyclopenta[def]phenanthrene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	1554	-	-	-	-	-	-
	9-Anthracenecarbonitrile	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	417	-	-	-	-	-	-
	9H-Fluorene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	447	-	-	-	-	-	-
	Anthracene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-
	Anthracene, 2-ethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	488	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	1345	-	-	-	-	-	-

					Monitoring_Zone	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon
					Location_Code	GTCS 101	GTCS 102	GTCS 103	GTCS 104	GTCS2-5381A	GTCS2-5381A	GTCS2-5381A	GTCS2-5381A	GTCS2-5382A	GTCS2-5383A	GTCS2-5384A	GTCS2-5385A	GTCS2-5385A	GTCS2-5385A	GTCS2-5386A	GTCS2-5387A	GTCS2-5388A	GTCS2-5389A	GTCS2-5389A	GTCS2-5389A	GTCS2-5390A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.05	0-0.05	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02
					Sampled_Date_Time	10/04/2019	10/04/2019	10/04/2019	10/04/2019	11/11/2020	11/11/2020	11/11/2020	10/11/2020	04/11/2020	10/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48%TOC																					
	Benzo[b]naphtho[2,3-d]furan	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	924	-	-	-	-	-	-
	Benzo(e)pyrene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	2890	-	-	-	-	-	-
	Chrysene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	929	-	-	-	-	-	-
	Dibenzofuran, 4-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	307	-	-	-	-	-	-
	Dibenzothiophene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	505	-	-	-	-	-	-
	Eicosane	ug/kg	100		-	-	-	-	-	-	-	-	568	-	-	-	-	-	625	-	1076	-	-	-	-
	Ferruginol	ug/kg	100		-	-	-	-	-	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Heptadecane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1981	-	-	-	-	-	-
	Hexadecane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1278	-	702	-	-	-	-
	Hexathiane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	348	-	-	-	-
	Methyl dehydroabietate	ug/kg	100		-	-	-	-	-	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,6,7-trimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	236	-	-	-	-	-	-
	Naphthalene, 2,3,6-trimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	296	-	-	-	-	-	-
	Naphthalene, 2-phenyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1126	-	-	-	-	-	-
	Nonadecane	ug/kg	100		-	-	-	-	-	-	-	-	646	-	-	-	-	-	2378	-	524	-	-	-	-
	Octadecane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1109	-	-	-	-	-	-
	p-Cymene	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	-	<4	-	-	-	-	-	<4	-	<4	-	-	-	-
	Phenanthrene, 2-methyl-	ug/kg	100		-	-	-	-	-	<100	207	-	-	-	-	-	-	-	1099	-	-	-	-	-	-
	Phenanthrene, 3,6-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	438	-	-	-	-	-	-
	Phenanthrene, 4-methyl-	ug/kg	100		-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1,3-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	859	-	-	-	-	-	-
	Pyrene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1566	-	-	-	-	-	-
	Tetracosane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	730	-	-	-	-
	Cyclic octaatomic sulfur	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.134	-	-	-	-
	Anthracene, 9-(2-propenyl)-	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.537	-	-	-	-	-	-
	Benzenesulfinic acid, 4-chloro-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	138	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	0.06	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	15000	<0.03	0.08	0.04	0.05	0.06	0.06	0.15	<0.03	0.04	<0.03	<0.03	0.05	0.23	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	Anthracene	mg/kg	0.04	74000	<0.04	0.08	<0.04	0.08	0.15	0.06	0.33	<0.04	0.07	<0.04	0.07	0.15	0.75	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Benz[a]anthracene	mg/kg	0.06	29	<0.06	0.28	0.17	0.22	0.51	0.42	1.37	0.11	0.19	0.19	0.28	0.51	4.29	0.2	0.22	0.13	0.12	0.08	0.07	0.19	0.09
	Benzo(a) pyrene	mg/kg	0.04		0.06	0.25	0.16	0.22	0.57	0.41	1.51	0.08	0.26	0.19	0.3	0.58	6.57	0.2	0.15	0.12	0.08	0.09	0.21	0.09	
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	0.08	0.32	0.27	0.35	0.72	0.57	1.9	0.12	0.36	0.25	0.37	0.72	7.85	0.27	0.22	0.18	0.12	0.12	0.3	0.12	
	Benzo(b)&(k)Fluoranthene	mg/kg	0.07		0.11	0.45	0.37	0.48	1	0.79	2.64	0.17	0.5	0.35	0.51	1	10.9	0.37	0.3	0.25	0.16	0.17	0.41	0.17	
	Benzo(g,h,i)perylene	mg/kg	0.04	640	0.05	0.23	0.16	0.19	0.42	0.35	1.04	0.06	0.25	0.16	0.22	0.42	4.37	0.17	0.15	0.12	0.08	0.09	0.18	0.09	
	Benzo(k)fluoranthene	mg/kg	0.02	190	0.03	0.13	0.1	0.13	0.28	0.22	0.74	0.05	0.14	0.1	0.14	0.28	3.05	0.1	0.08	0.07	0.04	0.05	0.11	0.05	
	Chrysene	mg/kg	0.02	57	0.06	0.24	0.19	0.22	0.51	0.35	1.31	0.08	0.28	0.19	0.27	0.51	4.57	0.18	0.13	0.12	0.08	0.07	0.21	0.08	
	Coronene	mg/kg	0.04		<0.04	0.06	<0.04	<0.04	0.1	0.08	0.18	-	0.06	-	-	-	-	<0.04	<0.04	<0.04	-	<0.04	-	-	-	
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	<0.04	<0.04	<0.04	0.06	0.08	0.06	0.21	<0.04	<0.04	<0.04	<0.04	0.1	0.99	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Fluoranthene	mg/kg	0.03	3100	0.1	0.33	0.27	0.44	0.96	0.58	2.46	0.13	0.44	0.27	0.47	0.98	6.15	0.28	0.17	0.17	0.08	0.09	0.28	0.08	
	Fluorene	mg/kg	0.04	9900	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	<0.04	0.06	0.12	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	<0.04	0.21	0.15	0.19	0.44	0.36	1.09	0.06	0.22	0.13	0.22	0.43	4.54	0.17	0.15	0.12	0.07	0.09	0.18	0.09	
	Naphthalene	mg/kg	0.04	4900	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	3100	0.05	0.11	0.1	0.19	0.51	0.19	0.88	<0.03	0.19	0.1	0.26	0.51	2.02	0.09	0.07	0.06	<0.03	<0.03	0.11	<0.03	
	Pyrene	mg/kg	0.03	7400	0.09	0.33	0.25	0.37	0.82	0.52	2.09	0.11	0.39	0.26	0.4	0.82	6.29	0.22	0.16	0.14	0.08	0.07	0.25	0.08	
	PAH 16 Total	mg/kg	0.6		-	-	-	-	-	-	-	0.8	-	1.8	3	6.2	52.1	-	1.4	-	0.7	0.7	2	0.8	
	PAH 17 Total	mg/kg	0.64		<0.64	2.65	1.86	2.71	6.13	4.23	15.48	-	2.89	-	-	-	-	1.9	-	1.22	-	-	-	-	
PCB (Dutch 7) congeners	PCB 28	ug/kg	5		-	-	-	-	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-	
	PCB 52	ug/kg	5		-	-	-	-	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-	
	PCB 101	ug/kg	5		-	-	-	-	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-	
	PCB 118	ug/kg	5		<5	<5	<5	<5	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-	
	PCB 138	ug/kg	5		-	-	-	-	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-	
	PCB 153	ug/kg	5		-	-	-	-	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-	
	PCB 180	ug/kg	5		-	-	-	-	<5	<5	<5	-	<5	-	-	-	-	<5	-	<5	-	-	-	-	
	Total PCB 7 Congeners	ug/kg	35		-	-	-	-	<35	<35	<35	-	<35	-	-	-	-	<35	-	<35	-	-	-	-	
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		<DL	<DL	<DL	<DL	0.0205	0.012	0.0144	-	0.0189	-	-	-	-	0.0397	-	0.0307	0.0125	0.00678	0.0106	-	
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		<DL	<DL	<DL	<DL	0.000368	0.00119	0.00071	-	<DL	-	-	-	-	0.00166	-	0.000983	<DL	<DL	0.000402	-	
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		<DL	<DL	<DL	<DL	0.118	0.0809	0.0526	-	0.147	-	-	-	-	0.425	-	0.356	0.131	0.0488	0.0841	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		<DL	<DL	<DL	<DL	0.00421	0.00366	0.00222	-	0.00479	-	-	-	-	0.0143	-	0.00944	0.00345	0.000648	0.00268	-	
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		-	-	-	-	0.247	0.156	0.118	-	0.326	-	-	-	-	0.953	-	0.792	0.281	0.103	0.181	-	
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		<DL	<DL	<DL	<DL	0.00314	0.00355	0.00113	-	0.0052	-	-	-	-	0.011	-	0.0114	0.0036	0.00209	0.00166	-	
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		<DL	<DL	<DL	<DL	0.00248	0.0024	0.00252	-	0.000824	-	-	-	-	0.00265	-	0.00254	0.00168	<DL	<DL	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		<DL	<DL	<DL	<DL	0.0445	0.0391	0.0281	-	0.0505	-	-	-	-	0.124	-	0.13	0.0542	0.0239	0.0334	-	
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		<DL	<DL	<DL	<DL	0.0116	0.0102	0.0114	-	0.0135	-	-	-	-	0.0327	-	0.0336	0.0143	0.00554	0.0101	-	
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		<DL	<DL	<DL	<DL	0.0182	0.0166	0.0153	-	0.0204	-	-	-	-	0.0463	-	0.0519	0.0213	0.0119	0.0162	-	
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		<DL	<DL	<DL	<DL	<DL	0.000359	0.000271	-	<DL	-	-	-	-	<DL	-	0.000294	<DL	<DL	0.000138	-	
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		<DL	<DL	<DL	<DL	0.00518	0.00475	0.00815	-	0.00466	-	-	-	-	0.00692	-	0.00835	0.00364	0.00317	0.00425	-	
	Total PCB WHO 12	ug/kg	60		<60	<60	<60	<60	<60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		1.46	1.01	1	5.88	<DL	<DL	1.36	-	<DL	-	-	-	-	4.66	-	3.92	<DL	<DL	<DL	-	
	12378-PeCDD	ng/kg	Variable		1	1	1	1	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	123478-HxCDD	ng/kg	Variable		1	1	1	0.865	<DL	<DL	0.362	-	0.26	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	123678-HxCDD	ng/kg	Variable		1	0.86	1	1.94	1.87	2.37	1.98	-	1.21	-	-	-	-	0.745	-	1.08	0.905	0.401	<DL	-	
	123789 HxCDD	ng/kg	Variable		1	1	1	0.877	1.2	<DL	0.968	-	0.75	-	-	-	-	0.663	-	<DL	<DL	0.863	<DL	-	
	1234678-HpCDD	ng/kg	Variable		1	27.2	52.3	55.1	76.5	77.9	44.7	-	44.3	-	-	-	-	43.4	-	30.8	25.6	37.8	36.2	-	
	OCDD	ng/kg	Variable		130	214	336	350	462	492	429	-	262	-	-	-	-	283	-	196	163	203	224	-	
	TEQ(1) (NATO)	ng/kg	Variable		1.6	1.41	2.32	4.42	2.57	3.08	3.83	-	2.52	-	-	-	-	2.62	-	2.8	1.46	1.13	1.19	-	
	TEQ(2) (NATO)	ng/kg	Variable		0.381	0.772	1.3	3.91	2.06	2.55	3.5	-	2.18	-	-	-	-	1.94	-	2.3	1.09	0.772	0.766	-	
	OCDF	ng/kg	Variable		2.62	10.3	18.8	12.6	22.9	29.6	15.7	-	10.1	-	-	-	-	14.3	-	7.16	7.17	7.35	12.8	-	
	2378-TCDD	ng/kg	Variable		1	1	1	1	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	12378-PeCDF	ng/kg	Variable		0.69	1	1	2.27	<DL	<DL	1.31	-	<DL	-	-	-	-	<DL	-	<DL	0.915	<DL	<DL	-	
	23478-PeCDF	ng/kg	Variable		1	1	0.657	2.52	<DL	1.19	2.5	-	1.5	-	-	-	-	<DL	-	1.47	0.555	<DL	<DL	-	
	123478-HxCDF	ng/kg	Variable		1	1	1	1.7	1.74	1.13	2.65	-	1.27	-	-	-	-	1.31	-	1.58	<DL	<DL	<DL	-	
	123678-HxCDF	ng/kg	Variable		1	1	1	2.91	<DL	<DL	1.85	-	1.33	-	-	-	-	2.11	-	1.07	1.18	<DL	<DL	-	
	234678-HxCDF	ng/kg	Variable		1	1	1	1	1.47	1.44	2.04	-	1.41	-	-	-	-	1.53	-	1.94	0.697	<DL	0.865	-	
	123789-HxCDF	ng/kg	Variable		1	1	1	0.752	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	1234678-HpCDF	ng/kg	Variable		6.8	8.34	9.44	11.1	17	14.5	16.7	-	9.02	-	-	-	-	9.94	-	9.44	6.27	5.75	7.68	-	
	1234789-HpCDF	ng/kg	Variable		1	0.505	1	1.39	0.929	1.83	0.783	-	0.5	-	-	-	-	0.694	-	0.474	<DL	<DL	0.434	-	
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	12378-PBDD	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	123478-HxBDD	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	123678-HxBDD	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	123789-HxBDD	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	1234678-HpBDD	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	OBDD	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	2378-TBDF	ng/kg	Variable		-	-	-	-	<DL	0.7	<DL	-	0.8	-	-	-	-	<DL	-	<DL	<DL	<DL	0.8	-	
	12378-PBDF	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	0.6	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	23478-PBDF	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	123478-HxBDF	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	0.6	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	123678-HxBDF	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	234678-HxBDF	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	123789-HxBDF	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	123678-HpBDF	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	1234789-HpBDF	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
	OBDF	ng/kg	Variable		-	-	-	-	<DL	<DL	<DL	-	<DL	-	-	-	-	<DL	-	<DL	<DL	<DL	<DL	-	
Organophosphorous flame retardants	Triphenylphosphate	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	0.23	-	-	-	-	0.69	-	0.85	-	-	-	-	
	Tris(2-ethylhexyl) phosphate	mg/kg	0.5		-	-	-	-	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	<0.5	-	-	-	-	
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
Polybrominated biphenyls (PBBs)	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.000004		-	-	-	-	<0.000004	<0.000008	<0.000004	-	<0.000019	-	-	-	-	<0.000005	-	<0.000005	-	-	-	-	
	2,2'',4,5''-Tetrabromobiphenyl (PBB 49)	ug/kg	0.002		-	-	-	-	<0.002	<0.002	<0.002	-	<0.002	-	-	-	-	<0.002	-	<0.002	-	-	-	-	
	2,2'',5,5''-Tetrabromobiphenyl (PBB 52)	ug/kg	0.002		-	-	-	-	<0.002	<0.002	<0.002	-	<0.002	-	-	-	-	<0.002	-	<0.002	-	-	-	-	
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.000002		-	-	-	-	<0.000002	<0.000002	<0.000002	-	<0.000002	-	-	-	-	<0.000002	-	<0.000002	-	-	-	-	
	2,2'',4,5,5''-Pentabromobiphenyl (PBB 101)	ug/kg	0.002		-	-	-	-	<0.002	<0.002	<0.002	-	<0.002	-	-	-	-	<0.002	-	<0.002	-	-	-	-	
	Hexabromobiphenyl (PBB 153)	mg/kg	0.000002		-	-	-	-	<0.000003	0.000004	<0.000003	-	0.000002	-	-	-	-	0.000003	-	<0.000002	-	-	-	-	
	Perbromobiphenyl (PBB 209)	ug/kg	0.049		-	-	-	-	<0.119	<0.049	<0.12	-	<0.049	-	-	-	-	<0.049	-	<0.049	-	-	-	-	
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5		-	-	-	-	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	<0.5	-	-	-	-	
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1		-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1	-	<0.1	-	-	-	-	
Isocyanates	Isocyanic Acid	ug/kg	250		-	-	-	-	<250	<250	<250	-	<500	-	-	-	-	<500	-	<500	-	-	-	-	
	Methyl Isocyanate	ug/kg	250		-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250	-	<250	-	-	-	-	
	Ethyl Isocyanate	ug/kg	250		-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250	-	<250	-	-	-	-	
	Propyl Isocyanate	ug/kg	250		-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250	-	<250	-	-	-	-	
	Phenyl Isocyanate	ug/kg	250		-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250	-	<250	-	-	-	-	
	Hexamethylene diisocyanate	ug/kg	250		-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250	-	<250	-	-	-	-	
	2,4-Toluene Diisocyanate	ug/kg	250		-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250	-	<250	-	-	-	-	
	2,6-Toluenediisocyanate	ug/kg	250		-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250	-	<250	-	-	-	-	
	Isophorone Diisocyanate	ug/kg	500		-	-	-	-	<500	<500	<500	-	<500	-	-	-	-	<500	-	<500	-	-	-	-	
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250	-	<250	-	-	-	-	
Cyanides	Cyanide (Free)	mg/kg	0.5		-	-	-	-	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5	-	<0.5	-	-	-	-	
	Cyanide Total	mg/kg	0.5		0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	0.8	-	-	-	-	0.9	-	<0.5	-	-	-	-	
	Thiocyanate	mg/kg	0.6		-	-	-	-	<0.6	<0.6	<0.6	-	1	-	-	-	-	0.9	-	<0.6	-	-	-	-	
Asbestos	Asbestos Level	None			No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Monitoring_Zone	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon
					Location_Code	GTCS 101	GTCS 102	GTCS 103	GTCS 104	GTCS2-5381A	GTCS2-5381A	GTCS2-5381A	GTCS2-5382A	GTCS2-5383A	GTCS2-5384A	GTCS2-5385A	GTCS2-5385A	GTCS2-5385A	GTCS2-5386A	GTCS2-5387A	GTCS2-5388A	GTCS2-5389A	GTCS2-5389A	GTCS2-5389A	GTCS2-5390A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.05	0-0.05	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02
					Sampled_Date_Time	10/04/2019	10/04/2019	10/04/2019	10/04/2019	11/11/2020	11/11/2020	11/11/2020	10/11/2020	04/11/2020	10/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48%TOC																				
	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None			No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None			-	-	-	-	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			soil-stones	soil-stones	soil-stones	soil.stones	Soil/Stones	Soil/Stones	soil.stones	Soil/Stones	Soil/Stone	Soil/Stones	soil.stones	soil.stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone
	Asbestos Level Screen	None			-	-	-	-	No Asbestos Detected	No Asbestos Detected	Asbestos level cannot be determined from Screen. Quantification required.	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001		-	-	-	-	-	-	0.115	-	-	-	-	-	-	<0.001	-	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001		-	-	-	-	-	-	<0.001	-	-	-	-	-	-	<0.001	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001		-	-	-	-	-	-	<0.001	-	-	-	-	-	-	<0.001	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001		-	-	-	-	-	-	0.115	-	-	-	-	-	-	<0.001	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001		-	-	-	-	-	-	0.115	-	-	-	-	-	-	<0.001	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02		2.3	2.15	-	3.24	4.16	2.14	1.21	-	3.51	-	-	-	-	2.92	-	3.31	4.1	1.94	1.72	-
Other	Natural Moisture Content	percent	0.1		24	25.4	23.7	29.1	39	20.8	22.4	56.3	37.8	43.8	34.5	27.8	15	31.6	34.5	18.9	30.9	24	21.4	52.6
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	0.06	0.253	0.207	0.225	0.57	0.41	1.51	0.08	0.26	0.19	0.3	0.58	6.57	0.2	0.15	0.12	0.08	0.09	0.21	0.09
	Xylene Total	ug/kg		43000000	0	0	0	0	0	0	0	-	0	-	-	-	-	0	-	0	-	-	-	-
	Trichlorobenzene (total)	ug/kg			0	0	0	0	0	0	0	-	0	-	-	-	-	0	-	0	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg			0.274	0.615	0.921	3.101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		155.551	274.397	432.817	461.234	1065.417	958.299	784.034	-	930.124	-	-	-	-	2024.142	-	1687.241	735.512	462.894	628.465	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	0.003	0.01	0.01	0.03	0.02	0.02	0.03	-	0.02	-	-	-	-	0.02	-	0.02	0.01	0.01	0.01	-

Comments

GAC: Generic Assessment Criteria

(blank): No assessment criteria available

- : Not analysed

HH: Human Health

Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_RES_SLOAM_>3.48 %TOC	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square
				Location_Code	GTCS 1-43	GTCS 1-43	GTCS 1-44	GTCS 1-44	GTCS 1-45	GTCS 1-45	GTCS 1-46	GTCS 1-46	GTCS 1-47
				Sample_Depth_Range	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05
				Sampled_Date_Time	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019
VOC TIC	VOC TICs	None			<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
Metals	Aluminium	mg/kg	50		16,479	19,986	12,470	26,240	11,600	5096	15,790	15,350	9007
	Arsenic	mg/kg	0.5	79	27.1	40.6	13.3	12.8	16	6.7	26.2	35.5	13
	Barium	mg/kg	1		291	537	179	158	172	77	289	376	148
	Beryllium	mg/kg	0.5	2.2	1.6	2.2	1.2	2	1.1	0.6	1.5	1.9	0.8
	Boron	mg/kg	0.1	21000	2.6	1.6	2.3	1	2	0.9	4.3	3.1	8
	Cadmium	mg/kg	0.1	220	14.5	46.2	1.8	1.2	0.8	0.4	15.8	42.7	0.8
	Chromium (Trivalent)	mg/kg	0.5	1500	98.3	271.4	-	-	-	-	-	212.1	23.8
	Chromium (hexavalent)	mg/kg	0.3	21	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
	Chromium (III+VI)	mg/kg	0.5	1500	98.3	271.4	104.5	76.6	72.1	240.5	176.8	212.1	23.8
	Copper	mg/kg	1	12000	215	474	67	65	58	26	199	400	55
	Lead	mg/kg	5	630	553	757	232	111	318	115	578	441	257
	Mercury	mg/kg	0.1	120	1.2	1.8	0.6	0.3	0.9	0.3	0.8	1.6	0.6
	Nickel	mg/kg	0.7	230	49	103.4	26.3	52.1	24.5	16.6	46.5	82.1	17.5
	Selenium	mg/kg	1	1100	2	2	2	2	1	1	2	2	1
	Vanadium	mg/kg	1	2000	67	95	49	94	53	30	62	75	38
	Zinc	mg/kg	5	81000	610	1283	233	142	231	104	545	962	211
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,1,1-trichloroethane	ug/kg	5	140000000	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	<3	<3	<3	<3	<3	<3	<3	<3	<3
	1,1,2-trichloroethane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	1,1-dichloroethane	ug/kg	6		<6	<6	<6	<6	<6	<6	<6	<6	<6
	1,1-dichloroethene	ug/kg	6		<6	<6	<6	<6	<6	<6	<6	<6	<6
	1,1-dichloropropene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	<3	<3
	1,2,3-trichlorobenzene	ug/kg	7	1800000	<7	<7	<7	<7	<7	<7	<7	<7	<7
	1,2,3-trichloropropane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	1,2,4-trimethylbenzene	ug/kg	6		<6	<6	<6	<6	<6	<6	<6	<6	<6
	1,2-dibromo-3-chloropropane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	1,2-dibromoethane	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	<3	<3
	1,2-dichloroethane	ug/kg	5	29000	<5	<5	<5	<5	<5	<5	<5	<5	<5
	1,2-dichloropropane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	1,3,5-trimethylbenzene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	<3	<3
	1,3-dichloropropane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	2,2-dichloropropane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	2-chlorotoluene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	<3	<3
	4-chlorotoluene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	<3	<3
	Benzene	ug/kg	5	140,000	<5	<5	<5	<5	<5	<5	<5	<5	<5
	Bromobenzene	ug/kg	2		<2	<2	<2	<2	<2	<2	<2	<2	<2
	Bromochloromethane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	Bromodichloromethane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	Bromoform	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	Bromomethane	ug/kg	1		<1	<1	<1	<1	<1	<1	<1	<1	<1
	Carbon tetrachloride	ug/kg	4	950000	<4	<4	<4	<4	<4	<4	<4	<4	<4
	Chlorobenzene	ug/kg	4	14000000	<4	<4	<4	<4	<4	<4	<4	<4	<4
	Chlorodibromomethane	ug/kg	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
	Chloroethane	ug/kg	6		<6	<6	<6	<6	<6	<6	<6	8	<6
	Chloroform	ug/kg	5	2500000	<5	<5	<5	<5	<5	<5	<5	<5	<5
	Chloromethane	ug/kg	3		10	6	10	<3	13	<3	12	16	14
	cis-1,2-dichloroethene	ug/kg	7		<7	<7	<7	<7	<7	<7	<7	<7	<7
	cis-1,3-dichloropropene	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	Dibromomethane	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	Dichlorodifluoromethane	ug/kg	2		<2	<2	<2	<2	<2	<2	<2	<2	<2
	Dichloromethane	ug/kg	30		<30	<30	<30	<30	<30	<30	<30	72	<30
	Ethylbenzene	ug/kg	3	25000000	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Isopropylbenzene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	<3	<3
	MTBE	ug/kg	6		<6	<6	<6	<6	<6	<6	<6	<6	<6
	n-butylbenzene	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	n-propylbenzene	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	sec-butylbenzene	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4
	Styrene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	<3	<3
	tert-butylbenzene	ug/kg	5		<5	<5	<5	<5	<5	<5	<5	<5	<5
	Tetrachloroethene	ug/kg	3	1400000	<3	<3	<3	<3	<3	<3	<3	<3	<3
	Toluene	ug/kg	3	56000000	<3	9	<3	<3	<3	<3	<3	6	<3
	trans-1,2-dichloroethene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	<3	<3
	trans-1,3-dichloropropene	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	<3	<3
	Trichloroethene	ug/kg	5	120000	<5	<5	<5	<5	<5	<5	<5	<5	<5
	Trichlorofluoromethane	ug/kg	3		<3	<3	<3	<3	<3	<3	<3	<3	<3
	Xylene (m & p)	ug/kg	4		<4	12	<4	<4	<4	<4	<4	<4	<4
	Xylene (o)	ug/kg	4	43000000	<4	6	<4	<4	<4	<4	<4	<4	<4
	Vinyl chloride	ug/kg	2	3500	<2	<2	<2	<2	<2	<2	<2	<2	<2
	Carbon disulfide	mg/kg	0.003	11000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
SVOCs	Dibenzo[a,e]pyrene	ug/kg	100		-	-	-	-	-	-	-	-	-
	2-methylnaphthalene	ug/kg	10		98	232	82	36	57	55	86	194	1425
	4-bromophenyl phenyl ether	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	4-chlorophenyl phenyl ether	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	Azobenzene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	Bis(2-chloroethoxy) methane	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	Bis(2-chloroethyl)ether	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	Carbazole	ug/kg	10		167	636	76	128	71	92	202	604	3290
	Dibenzofuran	ug/kg	10		77	249	36	51	40	50	96	230	3082
	Hexachlorobutadiene	ug/kg	4	25000	<4	<4	<4	<4	<4	<4	<4	<4	<4
	Hexachlorocyclopentadiene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	Hexachloroethane	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
SVOC - Anilines	2-nitroaniline	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	3-nitroaniline	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	4-chloroaniline	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	4-nitroaniline	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	2,6-dinitrotoluene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	Nitrobenzene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	2-chloronaphthalene	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	2-methylphenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	67
	2-nitrophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	4-chloro-3-methylphenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	4-methylphenol	ug/kg	10		<10	76	<10	<10	<10	<10	<10	<10	246
	4-nitrophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	Phenol	ug/kg	10	1300000	<10	<10	<10	<10	<10	<10	<10	<10	310
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	2,4,6-trichlorophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	2,4-dichlorophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	2-chlorophenol	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
	Pentachlorophenol	ug/kg	10	60000	<10	<10	<10	<10	<10	<10	<10	<10	<10
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	<7	<7	<7	<7	<7	<7	<7	<7	<7
	1,2-dichlorobenzene	ug/kg	4	98000000	<4	<4	<4	<4	<4	<4	<4	<4	<4
	1,3-dichlorobenzene	ug/kg	4	300000	<4	<4	<4	<4	<4	<4	<4	<4	<4
	1,4-dichlorobenzene	ug/kg	4	17000000	<4	<4	<4	<4	<4	<4	<4	<4	<4
	Hexachlorobenzene	ug/kg	10	16000	<10	<10	<10	<10	<10	<10	<10	<10	<10
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1002	516	611	140	911	221	1013	619	355
	Butyl benzyl phthalate	ug/kg	100		<100	<100	<100	<100	<100	<100	<100	<100	<100
	Diethylphthalate	ug/kg	100		<100	<100	<100	<100	<100	<100	<100	<100	<100
	Dimethyl phthalate	ug/kg	100		<100	<100	<100	<100	<100	<100	<100	<100	<100
	Di-n-butyl phthalate	ug/kg	100		698	1520	<100	<100	<100	<100	822	2226	<100
	Di-n-octyl phthalate	ug/kg	100		<100	<100	<100	<100	<100	<100	<100	<100	<100
SVOC - Solvents	Isophorone	ug/kg	10		<10	<10	<10	<10	<10	<10	<10	<10	<10
SVOC TIC	[1,1-Biphenyl]-4-carboxaldehyde	ug/kg	100		-	-	-	-	-	-	-	-	-
	1(2Aminobenzylidene)1234-tetrahydroacridineN-oxide	ug/kg	100		-	-	-	1994	-	-	-	-	-
	1,1-Biphenyl, 2,3,3,4-tetrachloro-	ug/kg	100		-	-	-	-	-	-	-	-	-
	1,1-Biphenyl, 2,3,3,5-tetrachloro-	ug/kg	100		-	-	-	-	-	-	-	-	-
	1,1-Biphenyl, 2,3,4,6-tetrachloro-	ug/kg	100		-	-	-	-	-	-	-	-	-
	1,2,9,10-Dibenzopyrene	ug/kg	100		-	-	-	27,925	-	-	-	-	-
	1,6-Dimethylphenazine	ug/kg	100		-	-	-	885	-	-	-	-	-
	10,18-Bisnorabieta-5,7,9(10),11,13-pentaene	ug/kg	100		-	-	1968	-	-	-	-	-	-
	10,18-Bisnorabieta-8,11,13-triene	ug/kg	100		-	-	3492	-	-	-	-	-	-
	11H-Benzo[a]carbazole	ug/kg	100		-	9597	-	-	-	224	-	-	4085
	11H-Benzo[a]fluoren-11-one	ug/kg	100		146	7792	-	1819	-	302	417	1249	4093
	11H-Benzo[a]fluoren-11-one, 10-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	1544
	11H-Benzo[a]fluorene	ug/kg	100		-	-	-	-	-	-	-	-	-
	11H-Benzo(b)fluorene	ug/kg	100		632	-	-	-	-	337	-	-	-
	11H-Indeno(1,2-b)quinoline	ug/kg	100		-	-	-	2706	-	-	-	-	-
	13-Docosenamide, (Z)-	ug/kg	100		-	-	-	-	-	1273	-	-	-
	1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	ug/kg	100		-	-	-	-	-	-	-	944	1760
	1H-Inden-1-one, 2,3-dihydro-	ug/kg	100		-	-	-	-	-	-	-	-	-
	1-Methyldibenzothiophene	ug/kg	100		-	-	-	-	-	-	-	1290	-
	1-Naphthalenecarboxylic acid, 2-benzoyl-	ug/kg	100		-	14,484	-	-	-	-	-	-	-
	2-(Acetoxymethyl)-3-(methoxycarbonyl)biphenylene	ug/kg	100		-	7465	-	-	-	-	-	-	-
	2,3,3,,5,6-Pentachloro-1,1-biphenyl	ug/kg	100		-	-	-	-	-	-	-	-	-
	2,3,3,6-Tetrachloro-1,1-biphenyl	ug/kg	100		-	-	-	-	-	-	-	-	-
	2,3,4,6-Tetrachloro-1,1-biphenyl	ug/kg	100		-	-	-	-	-	-	-	-	-
	2,4,6-Cycloheptatrien-1-one, 2-phenyl-	ug/kg	100		-	-	-	-	-	-	-	-	1122
	2,6-Dimethyldibenzothiophene	ug/kg	100		-	1791	-	-	-	-	-	-	-
	2,9-Dimethyl-2,3,4,5,6,7hexahydro-1H-2-benzazonine	ug/kg	100		-	4203	-	-	-	-	-	866	-
	2-Methylchrysene	ug/kg	100		-	15,129	-	5119	-	-	-	-	-
	3,3-Dimethylbiphenyl	ug/kg	100		-	-	-	-	-	-	-	-	-
	3,4:8,9-Dibenzopyrene	ug/kg	100		-	-	-	-	-	-	-	-	-
	3-Bromo-5-ethoxy-4-hydroxybenzaldehyde	ug/kg	100		-	-	-	-	-	-	-	-	-
	4,4-Bis(tetrahydrothiopyran)	ug/kg	100		-	-	-	-	267	-	-	618	546
	4H-Cyclopenta[def]phenanthrene	ug/kg	100		-	-	-	-	-	-	734	-	-
	6H-Benz[de]anthracen-6-one	ug/kg	100		-	-	-	-	-	-	-	-	-
	7H-Benz(de)anthracen-7-one	ug/kg	100		-	-	-	-	-	-	-	-	2001
	9,10-Anthracenedione	ug/kg	100		-	6326	-	-	-	118	372	1381	1864
	9,10-Anthracenedione, 2-methyl-	ug/kg	100		-	3572	-	-	-	-	-	1430	-
	9,10-Bis(bromomethyl)anthracene	ug/kg	100		-	-	-	1138	-	-	-	-	-
	9,10-Dimethylanthracene	ug/kg	100		-	-	-	-	-	-	-	-	-
	9-Anthracenecarbonitrile	ug/kg	100		-	-	-	-	-	-	-	-	-
	9H-Fluoren-9-ol	ug/kg	100		-	1577	-	-	-	-	-	-	730
	9H-Fluoren-9-one	ug/kg	100		-	-	-	-	-	-	-	-	1634
	9H-Fluorene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-
	9H-Fluorene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-
	9H-Fluorene, 9-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-
	Abietic acid	ug/kg	100		-	-	8872	-	-	-	-	-	-
	Anthra(1,2-b)thiophene	ug/kg	100		-	-	-	-	-	542	-	-	-
	Anthra(2,3-b)thiophene	ug/kg	100		-	-	-	-	-	-	-	-	-
	Anthracene, 1-methyl-	ug/kg	100		-	8921	-	-	159	-	-	-	-
	Anthracene, 2-ethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-
	Anthracene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-
	Aromandendrene	ug/kg	100		-	-	1425	-	-	-	-	-	-
	Benz(A)anthracene-7,12-dione	ug/kg	100		-	-	-	-	-	-	-	-	921
	Benz(a)anthracene-7-carbonitrile	ug/kg	100		-	-	-	-	-	-	-	-	1671
	Benz[a]anthracene, 1-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-
	Benz[a]anthracene, 7-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-
	Benz[j]aceanthrylene, 3-methyl-	ug/kg	100		-	6337	-	-	-	-	-	-	-
	Benzene, (4,5,5-trimethyl-1,3-cyclopentadien-1-yl)	ug/kg	100		-	1135	-	-	-	-	-	-	-
	Benzo[b]naphtho[1,2-d]furan	ug/kg	100		-	-	-	-	-	-	-	-	1400
	Benzo(c)carbazole	ug/kg	100		-	-	-	-	-	-	-	1178	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100		-	9542	-	2821	236	-	690	2396	3939
	Benzo[b]naphtho[2,3-d]furan	ug/kg	100		235	6475	-	1194	144	207	-	1649	2865
	Benzo[b]naphtho[2,3-d]thiophene	ug/kg	100		-	-	-	-	-	-	-	-	-
	Benzo[b]triphenylene	ug/kg	100		-	-	-	-	-	-	-	-	2785
	Benzo[c]cinnoline	ug/kg	100		-	-	-	-	-	-	-	-	-
	Benzo[c]phenanthrene	ug/kg	100		-	-	-	-	-	-	-	-	2561
	Benzo(e)pyrene	ug/kg	100		-	30,260	-	16,972	-	2136	3012	17,873	6399
	Benzo[h]quinoline, 2,4-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-
	Benzo[kl]xanthene	ug/kg	100		-	-	-	-	-	-	-	-	4578
	1,1-Biphenyl	ug/kg	100		-	-	-	-	-	-	-	-	276
	Biphenylene	ug/kg	100		-	-	-	-	-	-	-	-	2580
	Butylated Hydroxytoluene	ug/kg	100		-	-	1566	-	-	-	-	-	-
	Chrysene, 1-methyl-	ug/kg	100		409	-	-	-	314	635	715	2844	4408
	Chrysene, 5-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-
	Chrysene, 6-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-
	Cyclopenta(cd)pyrene, 3,4-dihydro-	ug/kg	100		-	-	-	-	-	-	-	-	4726
	Cyclopenta(def)phenanthrenone	ug/kg	100		-	-	-	-	-	-	-	-	5053
	Dehydroabietic acid	ug/kg	100		-	-	47,248	-	-	-	-	-	-
	D-Homoandrostane, (5.alpha.,13.alpha.)-	ug/kg	100		-	14,596	-	-	-	-	-	-	-
	Dibenz[a,e]aceanthrylene	ug/kg	100		-	-	-	-	-	-	-	-	-
	Dibenzo(a,i)pyrene	ug/kg	100		-	-	-	11,644	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg	100		-	-	-	-	-	-	-	-	1950
	Dibenzofuran, 4-methyl-	ug/kg	100		-	1396	-	-	-	-	-	-	-
	Dibenzothiophene	ug/kg	100		-	-	-	-	-	-	-	499	-
	Dibenzothiophene, 3-methyl-	ug/kg	100		-	1830	-	-	-	-	-	-	-

ChemName	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square
Location_Code	GTCS 1-47	GTCS 1-48	GTCS 1-48	GTCS 1-49	GTCS 1-49	GTCS 1-50	GTCS 1-50	GTCS 1-51	GTCS 1-51	GTCS 1-52	GTCS 1-53	GTCS 1-54	GTCS 1-55	GTCS 1-56	GTCS 1-57	GTCS 1-58	GTCS 1-59
Sample_Depth_Range	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05
Sampled_Date_Time	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019
VOC TICs	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL	<DL
Aluminium	7847	12,790	12,170	12,335	11,696	13,020	10,759	11,880	10,088	12,353	12,500	11,350	11,780	11,210	12,190	10,730	15,028
Arsenic	13.6	15.3	12.5	18.9	19.4	13.7	16.3	15.2	17.6	18	16.1	12.4	16.8	18.9	17.1	23.1	16.5
Barium	181	172	189	188	209	183	185	177	175	191	194	158	179	172	170	96	173
Beryllium	0.9	1.4	1.3	1.5	1.3	1.1	0.9	1.1	1.2	1.1	1.2	1	1.1	1.3	1.1	1	1.8
Boron	4.6	4.4	1.8	1.8	1.5	3	1.9	1.9	1.3	1.8	2.1	1.7	1.8	1.9	2.5	1.3	6.9
Cadmium	0.7	3.3	3.7	1.1	1.1	3.6	5.3	0.6	0.5	0.7	0.7	0.7	1	0.8	1.4	0.7	0.7
Chromium (Trivalent)	-	-	-	36.9	33.3	-	47.2	-	26.8	30.2	-	-	31.3	-	-	-	33.1
Chromium (hexavalent)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium (III+VI)	88.2	58.4	101.1	36.9	33.3	153.1	47.2	145.3	26.8	30.2	202.6	268.8	31.3	132.2	129	121.6	33.1
Copper	45	64	64	105	82	81	85	59	48	52	56	50	62	54	57	28	48
Lead	385	137	176	298	298	222	193	331	334	319	330	287	484	274	263	102	128
Mercury	0.5	1.3	1.8	1.2	1.1	1.5	1.5	0.8	0.7	0.7	0.7	0.6	0.8	0.6	0.8	0.1	0.1
Nickel	18.6	23.1	23.2	32	29.3	28.1	24.7	25.9	20.8	24.7	28.5	28.9	23.7	29.5	25.1	27.9	23.4
Selenium	2	2	2	1	1	1	<1	1	<1	<1	<1	1	<1	1	1	2	2
Vanadium	37	49	48	57	55	53	43	55	46	52	58	54	52	56	53	49	57
Zinc	201	253	250	1357	1418	332	329	221	204	242	223	190	244	207	227	152	296
1,1,1,2-tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-tetrachloroethane	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1,2-trichloroethane	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
1,1-dichloroethane	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
1,1-dichloroethene	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
1,1-dichloropropene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2,3-trichlorobenzene	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
1,2,3-trichloropropane	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
1,2,4-trimethylbenzene	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
1,2-dibromo-3-chloropropane	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
1,2-dibromoethane	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-dichloropropane	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
1,3,5-trimethylbenzene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3-dichloropropane	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
2,2-dichloropropane	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
2-chlorotoluene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
4-chlorotoluene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromobenzene	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromochloromethane	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromodichloromethane	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromoform	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chlorobenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chlorodibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Chloroform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane	5	10	<3	6	<3	11	<3	4	<3	4	4	3	3	4	3	5	9
cis-1,2-dichloroethene	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
cis-1,3-dichloropropene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dibromomethane	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Dichlorodifluoromethane	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dichloromethane	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	41
Ethylbenzene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Isopropylbenzene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
MTBE	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
n-butylbenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
n-propylbenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
sec-butylbenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Styrene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
tert-butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Toluene	<3	<3	<3	<3	<3	<3	<3	6	<3	4	5	5	3	<3	<3	<3	<3
trans-1,2-dichloroethene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
trans-1,3-dichloropropene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Trichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichlorofluoromethane	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylene (m & p)	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Xylene (o)	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Vinyl chloride	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon disulfide	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Dibenzo[a,e]pyrene	-	6277	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-methylnaphthalene	266	25	49	53	88	31	37	54	239	52	56	58	69	57	48	18	28
4-bromophenyl phenyl ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-chlorophenyl phenyl ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Azobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bis(2-chloroethoxy) methane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bis(2-chloroethyl)ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbazole	131	75	70	81	141	112	51	68	3554	73	182	166	133	109	93	49	97
Dibenzofuran	93	26	36	48	79	53	26	33	1027	34	78	66	63	41	49	23	32
Hexachlorobutadiene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-nitroaniline	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
3-nitroaniline	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-chloroaniline	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-nitroaniline	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-nitrosodi-n-propylamine	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,6-dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Nitrobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-chloronaphthalene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-dichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-chlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pentachlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2,4-trichlorobenzene	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
1,2-dichlorobenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
1,3-dichlorobenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
1,4-dichlorobenzene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bis(2-ethylhexyl) phthalate	206	1001	551	443	202	370	350	402	282	428	395	2080	322	313	945	473	844
Butyl benzyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Diethylphthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Dimethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Di-n-butyl phthalate	<100	617	980	<100	<100	532	688	<100	<100	<100	<100	<100	<100	<100	195	<100	<100
Di-n-octyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Isophorone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
[1,1-Biphenyl]-4-carboxaldehyde	-	-	-	-	-	-	-	-	2731	-	-	-	-	-	-	-	-
1(2Aminobenzylidene)1234-tetrahydroacridineN-oxide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Biphenyl, 2,3,3,4-tetrachloro-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	156	-
1,1-Biphenyl, 2,3,3,5-tetrachloro-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	449	-
1,1-Biphenyl, 2,3,4,6-tetrachloro-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	177	-
1,2,9,10-Dibenzopyrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,6-Dimethylphenazine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10,18-Bisnorabieta-5,7,9(10),11,13-pentaene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10,18-Bisnorabieta-8,11,13-triene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11H-Benzo[a]carbazole	200	-	-	-	199	-	-	-	4042	-	-	-	-	-	-	-	-
11H-Benzo[a]fluoren-11-one	328	-	-	-	451	-	-	-	8528	-	539	259	-	-	-	-	-
11H-Benzo[a]fluoren-11-one, 10-methyl-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11H-Benzo[a]fluorene	1115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11H-Benzo(b)fluorene	-	353	-	-	594	-	-	-	-	-	534	-	-	-	-	-	403
11H-Indeno(1,2-b)quinoline	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Docosenamide, (Z)-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1H-Inden-1-one, 2,3-dihydro-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Methyldibenzothiophene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Naphthalenecarboxylic acid, 2-benzoyl-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-(Acetoxymethyl)-3-(methoxycarbonyl)biphenylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,3,3,,5,6-Pentachloro-1,1-biphenyl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	475	-
2,3,3,6-Tetrachloro-1,1-biphenyl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	259	-
2,3,4,6-Tetrachloro-1,1-biphenyl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	262	-
2,4,6-Cycloheptatrien-1-one, 2-phenyl-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Dimethyldibenzothiophene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,9-Dimethyl-2,3,4,5,6,7hexahydro-1H-2-benzazonine	-	-	1046	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylchrysene	930	-	-	-	-	-	-	-	-	-	-	512	-	-	362	-	-
3,3-Dimethylbiphenyl	-	-	-	-	-	-	-	-	857	-	-	-	-	-	-	-	-
3,4:8,9-Dibenzopyrene	-	1671	-	-	-	-	-	-	-	8787	-	-	-	-	-	-	-
3-Bromo-5-ethoxy-4-hydroxybenzaldehyde	-	-	2959	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-Bis(tetrahydrothiopyran)	-	-	-	190	-	-	-	-	-	-	804	511	-	-	-	-	-
4H-Cyclopenta[def]phenanthrene	-	-	-	-	-	-	-	-	18,172	-	-	-	433	-	-	-	-
6H-Benz[de]anthracen-6-one	-	-	-	-	-	-	-	-	1490	-	-	-	-	-	-	-	-
7H-Benz(de)anthracen-7-one	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9,10-Anthracenedione	313	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9,10-Anthracenedione, 2-methyl-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9,10-Bis(bromomethyl)anthracene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9,10-Dimethylanthracene	-	-	-	-	-	-	-	-	7707	-	-	-	-	-	-	-	-
9-Anthracenecarbonitrile	251	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9H-Fluoren-9-ol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9H-Fluoren-9-one	213	-	-	-	292	-	-	-	3761	-	-	-	-	-	-	-	-
9H-Fluorene, 1-methyl-	-	-	-	-	-	-	-	-	1940	-	-	-	-	-	-	-	-
9H-Fluorene, 2-methyl-	203	-	-	-	-	-	-	-	1333	-	-	-	-	-	-	-	-
9H-Fluorene, 9-methyl-	-	-	-	-	-	-	-	-	2473	-	-	-	-	-	-	-	-
Abietic acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthra(1,2-b)thiophene	512	-	-	-	-	-	-	-	3334	-	-	531	-	-	-	-	-
Anthra(2,3-b)thiophene	-	-	-	-	440	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene, 1-methyl-	-	-	2064	-	-	-	-	-	-	-	576	-	-	-	-	-	169
Anthracene, 2-ethyl-	177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene, 2-methyl-	-	-	1128	-	282	-	-	-	7713	-	-	-	-	-	233	-	-
Aromandendrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(A)anthracene-7,12-dione	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene-7-carbonitrile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz[a]anthracene, 1-methyl-	-	-	-	-	966	-	-	-	-	-	-	-	-	-	-	-	-
Benz[a]anthracene, 7-methyl-	-	-	-	-	-	-	-	-	9215	-	762	-	-	-	-	-	-
Benz[j]aceanthrylene, 3-methyl-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene, (4,5,5-trimethyl-1,3-cyclopentadien-1-yl)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[b]naphtho[1,2-d]furan	-	-	-	-	-	-	-	-	4079	-	-	-	-	-	-	-	-
Benzo(c)carbazole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[b]naphtho[2,1-d]thiophene	-	-	2276	-	-	-	-	-	7544	-	727	-	443	296	-	-	-
Benzo[b]naphtho[2,3-d]furan	386	-	860	-	-	-	-	-	6072	-	469	258	-	-	-	-	-
Benzo[b]naphtho[2,3-d]thiophene	-	-	-	-	476	-	-	-	-	-	-	-	-	-	289	-	-
Benzo[b]triphenylene	-	-	-	-	-	-	-	-	9355	-	-	-	-	-	-	-	-
Benzo[c]cinnoline	-	-	-	-	-	-	-	-	5569	-	-	-	-	-	-	-	-
Benzo[c]phenanthrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(e)pyrene	3091	-	8828	-	2311	1393	1113	23,694	24,414	1368	2719	1974	1822	1542	1655	500	1048
Benzo[h]quinoline, 2,4-dimethyl-	-	-	1220	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[kl]xanthene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Biphenyl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Biphenylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylated Hydroxytoluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene, 1-methyl-	-	-	-	-	-	-	-	-	-	-	-	-	410	403	-	-	-
Chrysene, 5-methyl-	514	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene, 6-methyl-	-	-	5382	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclopenta(cd)pyrene, 3,4-dihydro-	-	-	-	-	-	-	-	-	8621	-	-	-	-	-	-	-	-
Cyclopenta(def)phenanthrenone	-	-	-	-	330	-	-	-	-	-	-	-	-	-	-	-	-
Dehydroabietic acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D-Homoandrostane, (5.alpha.,13.alpha.)-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz[a,e]aceanthrylene	-	2408	-	-	-	-	-	-	-	8583	-	-	-	-	-	-	-
Dibenzo(a,i)pyrene	-	978	-	-	-	-	-	-	-	3176	-	125	-	-	-	-	-
Dibenzo[def,mno]chrysene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran, 4-methyl-	143	-	-	-	-	-	-	-	2768	-	-	-	-	-	-	-	-
Dibenzothiophene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzothiophene, 3-methyl-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

				Monitoring_Zone	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square
				Location_Code	GTCS 1-43	GTCS 1-43	GTCS 1-44	GTCS 1-44	GTCS 1-45	GTCS 1-45	GTCS 1-46	GTCS 1-46	GTCS 1-47	GTCS 1-47	GTCS 1-48	GTCS 1-48	GTCS 1-49	GTCS 1-49	GTCS 1-50	GTCS 1-50	GTCS 1-51	GTCS 1-51	GTCS 1-52	GTCS 1-53	GTCS 1-54	GTCS 1-55	GTCS 1-56	GTCS 1-57	GTCS 1-58	GTCS 1-59
				Sample_Depth_Range	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05
				Sampled_Date_Time	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019
Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_RES_SLOAM_>3.48 %TOC																										
	Dibenzothiophene, 4,6-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	663	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	di-p-Tolylacetylene	ug/kg	100		-	4840	-	760	-	137	-	-	-	812	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Eicosane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	318	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fluoranthene, 2-methyl-	ug/kg	100		-	15,811	-	3442	450	645	1117	4204	-	510	-	-	-	-	509	-	4271	-	-	1173	-	576	585	647	-	-
	Fluorene, 2,4a-dihydro-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2428	-	-	-	-	-	-	-	-
	Heneicosane	ug/kg	100		-	-	5074	-	454	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Heptadecane	ug/kg	100		-	-	-	-	2103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexadecane	ug/kg	100		1467	-	-	-	1311	-	-	-	1976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1445	-	-	-	-	-	-	-	-
	Indeno[1,2,3-fg]naphthacene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	1132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indole, 5-methyl-2-(4-pyridyl)-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	226	-	-	-	-	-
	Longifolene	ug/kg	100		-	-	7933	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Methyl dehydroabietate	ug/kg	100		-	-	5678	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Morpholine, 4-(1-cyclohepten-1-yl)-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6083	-	-	-	-	-	-	-	-
	Naphthalene, 1,4,5-trimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,4,6-trimethyl-	ug/kg	100		-	1026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,6,7-trimethyl-	ug/kg	100		-	1373	-	-	-	-	-	240	503	166	-	-	-	136	-	-	-	2037	-	-	-	-	-	-	-	-
	Naphthalene, 1,6-dimethyl-	ug/kg	100		-	999	-	-	-	-	-	251	583	158	-	-	-	-	-	-	-	1297	-	-	-	-	-	-	-	-
	Naphthalene, 1,7-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,3,6-trimethyl-	ug/kg	100		-	973	-	-	-	-	-	-	257	135	-	-	-	-	-	-	-	1231	-	-	-	-	-	-	-	-
	Naphthalene, 2,3-dimethyl-	ug/kg	100		-	750	-	-	-	-	-	-	752	-	-	-	-	-	-	-	-	1506	-	-	-	-	-	-	-	-
	Naphthalene, 2,6-dimethyl-	ug/kg	100		-	561	-	-	-	-	-	-	826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,7-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	379	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-ethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-phenyl-	ug/kg	100		-	-	-	-	-	179	-	-	3093	-	-	-	-	-	-	-	-	7408	-	-	-	-	-	-	-	-
	Naphtho[1,2-b]thiophene	ug/kg	100		-	-	-	-	-	-	-	-	1910	306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphtho[2,1,8,7-klmn]xanthene	ug/kg	100		-	-	-	-	-	-	-	-	1664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphtho[2,1-b]thiophene	ug/kg	100		-	1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4450	-	-	-	-	-	-	-	-
	n-Decanoic acid	ug/kg	100		-	-	2983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexadecanoic Acid	ug/kg	100		-	-	196,284	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nonadecane	ug/kg	100		-	17,081	-	-	-	-	-	-	-	-	1174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-Pentafluorosulfanyl-S,S-diphenoxysufilimine	ug/kg	100		-	-	-	-	-	-	-	-	1790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Octadecane	ug/kg	100		484	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Octadecanoic Acid	ug/kg	100		-	-	147,477	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
	Perylene	ug/kg	100		-	-	-	-	630	-	-	3653	4791	-	-	-	1132	-	-	-	-	12,492	-	-	-	-	-	-	-	-
	Phenanthrene, 1-methyl-	ug/kg	100		-	5459	-	1537	159	114	-	1253	4246	229	-	573	116	223	-	-	-	15,948	-	521	-	-	-	-	-	-
	Phenanthrene, 2,5-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 2-methyl-	ug/kg	100		-	-	-	1095	-	259	392	1804	3412	634	-	1094	-	351	-	135	-	7956	-	434	384	278	230	-	-	-
	Phenanthrene, 3,6-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	967	2284	379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 4-methyl-	ug/kg	100		191	-	-	862	196	190	282	-	-	-	-	-	-	-	273	-	-	-	-	-	233	212	171	173	-	-
	Pyrene, 1,3-dimethyl-	ug/kg	100		-	7437	-	-	-	-	-	-	634	367	-	-	-	-	-	-	-	1499	-	-	-	-	-	-	-	-
	Pyrene, 1-methyl-	ug/kg	100		362	7242	-	2101	182	317	480	1649	5147	523	-	4236	264	344	201	-	-	19,565	-	613	656	386	-	-	-	-
	Pyrene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	353	-	-	-	-	-	-
	Quinoxaline, 6-(3-nitrobenzylidenamino)-	ug/kg	100		-	-	-	-	-	-	-	1199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Retene	ug/kg	100		-	-	-	-	286	-	-	-	-	-	-	-	158	-	312	-	-	-	-	-	-	-	-	-	-	-
	Rubicene-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	2432	-	-	-	-	-	-	722	-	-	-	-	-	-
	Tetrachloro-o-benzoquinone	ug/kg	100		-	2648	-	-	-	-	-	763	-	203	-	-	-	305	-	-	-	-	-	-	-	-	-	-	-	-
	Tetracosane	ug/kg	100		-	-	2884	-	-	-	-	-	-	1055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetradecanoic acid	ug/kg	100		-	-	2707	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-Bis(methyldichlorosilyl)ethylene	ug/kg	100		-	-	8137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Triphenylene	ug/kg	100		1585	-	-	-	1155	-	-	-	32,197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Longicyclene	ug/kg	100		-	-	4677	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Calarene	ug/kg	100		-	-	-	-	-	-	-	744	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Totarol	ug/kg	100		-	-	-	-	-	-	-	-	-	215	-	2278	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclobuta[1,2:3,4:3,4]dicyclobuta[1,2:1,2]dibenzene, 4b,4c,8b,8c-tetrahydro-	ug/kg	100		-	-	-	-	-	-	-	-	1665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclodecacyclododecene, 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18-octadecahydro-	ug/kg	100		-	-	-	-	-	-	-	-	3094	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propanamide	ug/kg	100		-	8803	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3,5,6-Trimethyl-p-quinone, 2-(2,5-dioxotetrahydrofuran-3-yl)thio-	ug/kg	100		1735	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1946	-	-	819	-	-	-
	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	ug/kg	100		-	-	-	-	-	-	-	1182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benz[d]isoxazol-4(5H)-one, 6,7-dihydro-3-methyl-6-phenyl-, oxime	ug/kg	100		-	-	-	-	-	-	-	2064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(b)naphtho(1,2-d)furan	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4079	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05	15000	0.07	0.39	<0.05	<0.05	1.08	0.06	0.09	0.23	<0.05	<0.05	0.08	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	15000	0.41	0.79	0.25	0.24	0.35	0.32	0.41	0.7	0.32	0.36	0.21	0.36	0.27	0.52	0.15	0.14	0.12	0.15	0.14	0.5	0.19	0.23	0.19	0.24	0.1	0.09
	Anthracene	mg/kg	0.04	74000	0.57	2.01	0.23	0.25	2.22	0.44	0.69	1.43	0.44	0.46	0.39	0.56	0.34	0.82	0.15	0.2	0.17	0.26	0.18	0.71	0.2	0.28	0.33	0.28	0.1	0.09
	Benz(a)anthracene	mg/kg	0.06	29	2.1	8.55	0.95	1.06	6.38	2.06	2.36	6.06	1.9	1.89	1.33	1.55	1.56	2.18	1.15	1.13	1.02	1.44	1.09	4.14	1.38	1.76	1.61	1.72	0.74	0.71
	Benzo(a) pyrene	mg/kg	0.04		2.75	8.61	1.25	1.4	5.55	3.13	3.27	6.93	2.16	2.3	1.46	1.78	1.43	2.24	1.25	1.3	1.29	1.66	1.29	4.54	1.53	2.08	1.8	2.17	0.78	0.78
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	3.87	11.28	1.64	1.85	7.34	3.83	4.47	9.33	2.85	2.89	1.88	2.36	1.94	3	1.76	1.81	1.71	2.23	1.78	6.03	2.09	2.97	2.47	2.9	1.09	1.09
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		5.37	15.67	2.28	2.57	10.2	5.32	6.21	12.96	3.96	4.01	2.61	3.28	2.69	4.17	2.45	2.51	2.38	3.1	2.47	8.37	2.9	4.13	3.43	4.03	1.51	1.52
	Benzo(g,h,i)perylene	mg/kg	0.04	640	2.61	7.43	0.94	0.99	3.7	2.49	2.68	5.86	1.36	1.55	0.93	1.3	1.13	1.53	0.99	0.98	0.95	1.15	0.92	2.74	1.19	1.51	1.26	1.55	0.54	0.58
	Benzo(k)fluoranthene	mg/kg	0.02	190	1.5	4.39	0.64	0.72	2.86	1.49	1.74	3.63	1.11	1.12	0.73	0.92	0.75	1.17	0.69	0.7	0.67	0.87	0.69	2.34	0.81	1.16	0.96	1.13	0.42	0.43
	Chrysene	mg/kg	0.02	57	2.42	7.76	1.09	1.05	5.68	2.38	3.01	6.38	1.92	1.96	1.34	1.61	1.23	1.98	1.11	1.23	1.05	1.58	1.15	3.9	1.36	1.86	1.59	1.82	0.74	0.68
	Coronene	mg/kg	0.04		0.67	1.48	0.25	0.25	0.67	0.43	0.64	1.28	0.3	0.4	0.23	0.28	0.27	0.37	0.26	0.24	0.22	0.25	0.21	0.64	0.27	0.34	0.27	0.34	0.12	0.13
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	0.44	1.51	0.22	0.2	0.96	0.69	0.66	1.44	0.36	0.38	0.23	0.23	0.29	0.34	0.21	0.15	0.16	0.27	0.15	0.74	0.27	0.38	0.22	0.37	0.14	0.1
	Fluoranthene	mg/kg	0.03	3100	4.29	13.8	1.81	2.18	10.97	3.63	5.18	11.38	3.15	3.48	2.4	2.93	2.09	4.94	1.78	2.07	2.11	2.81	2.09	8.48	2.49	3.34	3.38	3.23	1.35	1.1
	Fluorene	mg/kg	0.04	9900	0.08	0.43	<0.04	<0.04	0.66	0.06	0.09	0.24	0.06	0.06	0.07	0.07	0.04	0.18	<0.04	0.04	<0.04	0.05	<0.04	0.09	<0.04	<0.04	0.05	0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	2.44	7.08	0.94	1.03	3.52	2.67	2.49	5.28	1.41	1.59	0.97	1.33	1.13	1.53	0.89	0.91	0.89	1.03	0.88	2.77	1.1	1.47	1.18	1.52	0.52	0.56
	Naphthalene	mg/kg	0.04	4900	0.15	0.61	0.07	0.06	2.67	0.09	0.15	0.25	0.13	0.11	0.05	0.07	0.1	0.2	0.06	0.06	0.09	0.1	0.08	0.15	0.13	0.09	0.09	0.09	<0.04	<0.04
	Phenanthrene	mg/kg	0.03	3100	1.38	5.74	0.55	0.77	8.41	1.27	1.63	3.94	1.08	0.96	0.99	1.3	0.8	3.36	0.49	0.73	0.77	0.98	0.67	2.37	0.74	1.03	1.15	1.01	0.26	0.3
	Pyrene	mg/kg	0.03	7400	3.61	11.79	1.61	1.91	9.26	3.23	4.32	9.64	2.73	3.16	2.08	2.58	1.82	4.15	1.53	1.71	1.85	2.44	1.84	7.57	2.21	2.93	2.81	2.83	1.19	0.99
	PAH 16 Total	mg/kg	0.6		28.7	92.2	12.2	13.7	71.6	27.8	33.2	72.7	21	22.3	15.1	19	14.9	28.3	12.2	13.2	12.9	17	13	47.1	15.7	21.1	19.1	20.9	8	7.5
	PAH 17 Total	mg/kg	0.64		29.36	93.65	12.44	13.96	72.28	28.27	33.88	74	21.28	22.67	15.37	19.23	15.19	28.62	12.47	13.4	13.07	17.27	13.16	47.71	15.96	21.43	19.36	21.24	8.09	7.63
PCB (Dutch 7) congeners	PCB 28	ug/kg	5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	43	9
	PCB 52	ug/kg	5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	22	19	<5	<5	<5	<5	<5	<5	14	<5	<5	<5	<5	<5	100	29
	PCB 101	ug/kg	5		<5	8	<5	<5	<5	<5	<5	<5	<5	<5	27	22	<5	<5	<5	7	<5	<5	16	<5	<5	<5	<5	<5	86	25
	PCB 118	ug/kg	5		<5	8	<5	<5	<5	<5	<5	<5	<5	<5	23	19	<5	<5	<5	6	7	<5	24	<5	<5	<5	<5	<5	115	31
	PCB 138	ug/kg	5		15	42	<5	<5	<5	<5	8	12	<5	<5	11	16	<5	<5	7	12	<5	<5	9	<5	<5	<5	<5	<5	30	9
	PCB 153	ug/kg	5		11	33	<5	<5	<5	<5	6	6	<5	<5	10	13	<5	<5	<5	9	<5	<5	7	<5	<5	<5	<5	<5	25	8
	PCB 180	ug/kg	5		17	59	<5	<5	<5	<5	10	23	<5	<5	6	9	<5	<5	<5	7	<5	<5	<5	<5	<5	<5	<5	<5	8	<5
	Total PCB 7 Congeners	ug/kg	35		43	150	<35	<35	<35	<35	<35	41	<35	<35	106	98	<35	<35	<35	41	<35	<35	70	<35	<35	<35	<35	<35	407	111
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		0.218	0.477	0.0674	0.0501	0.0396	0.0386	0.162	0.256	0.0419	0.0354	5.24	1.87	0.0932	0.0708	0.174	0.282	0.977	0.437	3.29	0.227	0.069	0.0557	0.222	0.594	0.595	0.579
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		0.00622	0.0155	0.00229	0.00123	0.000936	0.000682	0.00648	0.0102	0.000818	0.00124	0.223	0.0856	0.00296	0.00206	0.00534	0.00854	0.0446	0.0227	0.14	0.0086	0.00323	0.00221	0.0102	0.0254	0.0253	0.0242
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		1.57	2.64	0.359	0.267	0.543	0.452	1.17	1.33	0.446	0.383	22.3	11.2	4.31	0.898	2	1.39	5.17	3.61	21.5	1.63	0.536	0.405	1.35	3.42	103	34.9
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		0.029	0.0512	0.00381	0.00641	0.0095	0.0113	0.0234	0.0684	0.00721	0.00655	0.938	0.379	0.195	0.0247	0.0301	0.0358	0.14	0.111	0.787	0.047	0.0151	0.0106	0.045	0.11	4.53	1.21
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		3.48	4.97	0.725	0.516	1.21	0.989	2.33	2.79	1.06	0.856	33.3	17.2	10.1	1.96	3.92	2.53	8.2	5.59	33.1	2.71	1.12	0.863	2.26	5.75	154	52.4
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		0.0811	0.222	0.026	0.0241	0.0283	0.0216	0.0785	0.138	0.0289	0.0214	0.843	0.66	0.179	0.0428	0.162	0.12	0.311	0.211	1.04	0.0983	0.0304	0.0227	0.0897	0.221	6	1.65
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.04	0.0497	0.00758	0.00176	0.00603	0.00612	0.0317	0.0247	0.00785	0.00629	0.169	0.0856	0.0168	0.0114	0.017	0.023	0.0462	0.0208	0.12	0.0154	0.00859	0.00329	0.0114	0.0352	0.0313	0.0276
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		0.941	1.6	0.177	0.15	0.238	0.219	0.635	0.593	0.226	0.181	2	1.54	1.51	0.307	0.803	0.595	0.496	0.329	1.49	0.233	0.21	0.161	0.239	0.59	6.27	2.27
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		0.417	1.12	0.0585	0.0492	0.0722	0.065	0.305	0.508	0.0783	0.0688	0.579	0.529	0.34	0.0923	0.255	0.233	0.137	0.101	0.398	0.0804	0.0608	0.051	0.0727	0.183	1.62	0.589
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		0.646	1.83	0.0897	0.0744	0.105	0.0876	0.379	0.605	0.118	0.0934	0.823	0.773	0.504	0.126	0.388	0.339	0.195	0.136	0.552	0.105	0.0897	0.073	0.101	0.244	2.07	0.757
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.00343	0.0115	0.000256	0.000884	0.0011	0.00125	<0.000469	0.00675	0.00103	0.0014	0.00152	0.00147	0.00176	0.000557	<0.000665	0.000701	0.00288	<0.000298	0.00102	<0.000352	0.0013	0.0008	0.000306	0.000518	0.00174	0.000736
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		0.207	0.62	0.0193	0.0156	0.0211	0.0177	0.129	0.296	0.0306	0.0246	0.109	0.136	0.0636	0.0291	0.0725	0.0718	0.0263	0.0207	0.0515	0.0189	0.0209	0.0191	0.0202	0.0431	0.173	0.0718
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	0.427		14.5	29.9	3.05	2.55	8.78	8.32	15.7	27.4	6.83	7.08	<0.427	3.51	3.63	5.41	<0.806	4.1	8.64	<1.34	<2.86	<1.395	4.75	3.39	5.45	<0.591	5.07	5.88
	12378-PeCDD	ng/kg	0.548		2.12	8.54	<0.676	0.859	0.761	1.36	3.55	9.28	1.15	1.03	<0.631	0.58	1.25	1.41	<0.894	2.02	0.929	<0.599	<0.639	<0.719	1.41	1.09	0.71	<0.548	0.63	<0.581
	123478-HxCDD	ng/kg	Variable		3.82	7.76	1.08	1.29	1.15	0.726	3.91	9.25	1.41	1.26	0.868	1.91	1.89	1.63	<1.972	3.22	1.25	<0.887	<0.888	<0.81	0.717	1.28	0.976	1.68	0.537	<0.712
	123678-HxCDD	ng/kg	0.9		13.6	30.1	3.07	2.47	4.02	3.82	12.2	29.7	6.51	5.02	8.82	11	6.1	7.43	13.8	13.9	6.06	<0.9	<0.932	2.04	2.96	3.85	2.55	3.16	4.99	3.95
	123789 HxCDD	ng/kg	0.577		6.96	16.7	1.66	1.67	2.15	2.06	7.74	14.3	2.3	0.996	4.79	3.54	2.96	3.99	5.43	7.15	3.85	<0.927	<0.96	<0.849	2.8	<0.577	1.95	1.96	2.57	1.25
	1234678-HpCDD	ng/kg	Variable		232	557	68	39.6	60.5	52	224	478	212	162	278	356	86.7	92.4	403	542	88.9	61.4	72.5	79.1	80.1	73.7	74.7	126	116	118
	OCDD	ng/kg	Variable		1840	5300	483	331	449	443	1820	4310	1940	1690	2920	4280	624	700	3390	4500	562	439	568	480	655	557	612	1140	1110	1060
	TEQ(1) (NATO)	ng/kg	Variable		23.1	52.3	5.72	4.79	9.38	9.63	21.1	53.9	11.4	11.2	11.5	15.5	8.49	10.8	13.2	19.6	14.4	3.78	3.92	4.08	9.14	5.59	7.54	8.43	8.22	9.07
	TEQ(2) (NATO)	ng/kg	Variable		22.8	52.3	5.13	4.44	9.16	9.42	20.3	53.9	11.2	11	10.8	15.3	8.05	10.4	11.6	19	13.7	2.05	1.88	2.55	8.82	4.95	7.2	7.76	7.94	8.4
	OCDF	ng/kg	Variable		167	476	20.4	16.2	29.4	28	222	451	135	131	141	187	47.9	67.7	134	214	44.6	31.2	29.5	26.6	39.1	36.8	40.3	63.8	58	58.1
	2378-TCDD	ng/kg	0.149		<0.291	2.36	<0.204	<0.339	<0.171	<0.206	<0.618	2.3	<0.149	<0.228	<0.398	<0.236	<0.442	<0.428	<0.363	<0.538	<0.729	<0.407	<0.459	<0.302	<0.316	<0.36	<0.3	<0.335	<0.282	<0.31
	12378-PeCDF	ng/kg	0.32		5.52	17.4	4.18	<0.32	5.13	6.3	6.46	19.4	5.09	6.25	3.63	4.56	2.99	3.38	<0.574	2.78	7.1	4.81	2.34	4.79	4.25	3.94	1.66	5.52	3.89	5.49
	23478-PeCDF	ng/kg	0.451		15.6	29.7	3.33	2.91	7.52	7.5	14	33.5	4.71	6.15	2.97	4.59	5.07	7.1	<0.641	4.08	10.4	<0.759	<0.796	<0.689	6.05	<0.451	4.84	4.68	3.56	5.7
	123478-HxCDF	ng/kg	0.72		11	23.5	3.55	3.22	9.16	9.66	13	32.1	5.56	8.78	4.33	6.72	4.67	6.58	3.26	7.3	14.1	3.85	<0.72	4.14	8.12	7.4	7.22	8.09	7.19	8.38
	123678-HxCDF	ng/kg	0.595		10.8	16.5	2.47	2.54	5.49	4.6	<0.595	20.8	3.57	3.98	3.27	3.29	3.65	5.43	4.69	4.77	11.3	<0.774	<0.723	<0.74	5.01	4.06	4.51	4.26	3.89	3.95
	234678-HxCDF	ng/kg	0.56		13.1	18.1	3.27	2.3	2.74	4.09	<0.56	25	4.45	3.53	3.46	4.29	4.33	5.5	2.12	6.77	9.98	<0.751	<0.579	<0.59	5.1	5.04	3.78	2.57	4.09	1.69
	123789-HxCDF	ng/kg	0.265		1.79	2.49	<0.443	0.314	<0.465	0.876	<603	2.01	<0.517	<0.265	0.545	0.901	0.51	1.02	<1.024	<0.523	0.954	<0.891	<0.827	<0.719	0.712	0.648	<0.325	0.819	0.918	0.672
	1234678-HpCDF	ng/kg	Variable		170	396	25.6	16.3	29.3	24.9	155	346	73.4	53.7	59.9	86.1	41.2	54.8	111	93.9	52.8	30.6	44.3	39.6	33.9	29.4	28.3	40	35.9	36.8
	1234789-HpCDF	ng/kg	0.724		8.46	16.9	<0.724	1.04	3.36	2.58	6.2	14.2	4.25	4	5.49	6.86	1.31	2.19	4.73	6.1	5.05	3.21	<1.373	<1.369	2.95	1.68	2.12	3.7	3.59	2.74
Brominated Dioxins and Furans	2378-TBDD	ng/kg	0.47		<0.47	<0.71	<0.5	<0.75	<0.55	<0.74	<0.85	<0.82	<0.58	<0.7	<0.6	<0.75	<0.6	<0.72	<0.79	<0.8	<0.83	<0.8	<0.83	<0.78	<0.8	<0.82	<0.84	<0.85	<0.83	<0.82
	12378-PBDD	ng/kg	0.52		<0.52	<0.75	<0.53	<0.78	<0.53	<0.8	<0.83	<0.83	<0.55	<0.77	<0.57	<0.8	<0.59	<0.77	<0.8	<0.8	<0.82	<0.82	<0.82	<0.8	<0.8	<0.8	<0.8	<0.82	<0.82	<0.82
	123478-HxBDD	ng/kg	0.54		<0.54	<0.68	<0.55	<0.66	<0.57	<0.69	<0.82	<0.82	<0.6	<0.68	<0.59	<0.77	<0.57	<0.74	<0.77	<0.76	<0.83	<0.8	<0.83	<0.83	<0.81	<0.84	<0.84	<0.84	<0.83	<0.84
	123678-HxBDD	ng/kg	0.59		<0.59	<0.63	<0.6	<0.65	<0.61	<0.7	<0.82	<0.84	0.63	<0.7	0.6	<0.69	<0.6	<0.69	<0.74	<0.77	<0.84	<0.84	<0.84	<0.81	<0.81	<0.83	<0.83	<0.85	<0.85	<0.85
	123789-HxBDD	ng/kg	0.48		<0.48	<0.7	<0.53	<0.7	<0.55	<0.74	<0.84	<0.84	0.61	<0.7	0.67	<0.73	<0.54	<0.7	<0.82	<0.8	<0.82	<0.83	<0.83	<0.83	<0.8	<0.8	<0.81	<0.81	<0.83	<0.84
	1234678-HpBDD	ng/kg	0.6		<0.6	1.81	<0.61	<0.71	0.63	<0.73	0.97	1.78	0.92	<0.81	0.77	0.92	<0.6	<0.8	<0.84	<0.8	<0.8	<0.8	<0.81	<0.82	<0.84	<0.85	<0.85	<0.83	<0.83	<0.83
	OBDD	ng/kg	0.74		<0.81	<0.84	<0.8	<0.8	<0.78	<0.81	<0.83	<0.85	<0.8	<0.8	<0.78	<0.8	<0.79	<0.74	<0.82	<0.82	<0.8	<0.82	<0.82	<0.84	<0.85	<0.85	<0.83	<0.85	<0.84	<0.81
	2378-TBDF	ng/kg	0.98		0.98	17.5	2.51	1.01	3.01	2.55	11.14	19.67	8.93	3.76	7.14	6.23	3.18	2.09	5.17	6.94	4.87	1.97	1.65	1.33	2.76	2.33	3.03	3.5	3.06	2.84
	12378-PBDF	ng/kg	Variable		1	8.34	0.98	0.87	1.25	1.36	7.91	14.53	4.56	1.77	4.12	4.18	2.29	1.36	3.57	4.33	3.3	1.28	1.09	1.26	1.98	1.41	2.09	2.36	1.85	2.13
	23478-PBDF	ng/kg	0.5		<0.5	4.91	0.78	1.19	1.1	1.7	4.23	8.19	2.33	1.19	2.09	2.18	1.58	0.81	1.96	2.28	1.78	0.83	1	1.1	2.2	0.88	1.26	1.09	1.68	1.77
	123478-HxBDF	ng/kg	0.55		<0.55	6.12	0.6	0.9	0.75	0.75	2.55	5.71	1.54	1.39	1.33	1.69	0.89	1.29	1.55	1.19	1.55	<0.77	0.8	0.97	2.34	0.75	1.04	1.74	2.22	1.48
	123678-HxBDF	ng/kg	0.49		<0.49	3	0.52	1.46	0.68	1.99	2.71	4.4	1.29	3.01	1.4	1.44	0.65	0.8	1.73	2.04	1.41	<0.77	<0.77	<0.8	0.91	0.86	1.66	1.3	1.19	1.87
	234678-HxBDF	ng/kg	0.46		<0.46	<0.74	<0.49	<0.78	0.47	<0.8	1.12	2.57	0.91	0.74	1.06	0.9	0.62	<0.77	<0.8	0.97	<0.8	<0.8	<0.83	<0.83	<0.79	<0.8	<0.85	<0.85	<0.84	0.86
	123789-HxBDF	ng/kg	0.44		<0.44	1.29	<0.45	<0.72	<0.48	<0.75	<0.85	1.15	0.56	<0.76	<0.57	<0.78	<0.57	<0.8	<0.8	<0.8	<0.8	<0.81	<0.81	<0.8	<0.8	<0.8	<0.83	<0.84	<0.84	<0.83
	1234678-HpBDF	ng/kg	0.48		<0.48	2.27	<0.5	<0.68	<0.53	<0.69	<0.82	<0.84	0.5	<0.67	0.5	<0.7	<0.53	<0.75	1.03	1.55	0.98	<0.78	<0.82	<0.82	<0.82	<0.84	<0.84	<0.84	<0.83	<0.83
	1234789-HpBDF	ng/kg	0.55		<0.55	3.16	<0.56	<0.73	<0.6	<0.72	1.33	3.09	<0.58	<0.7	<0.6	<0.79	<0.66	<0.79	<0.77	<0.77	<0.77	<0.79	<0.8	<0.79	<0.83	<0.83	<0.83	<0.85	<0.84	<0.81
	OBDF	ng/kg	0.65		<0.65	1.11	<0.68	<0.82	<0.7	<0.8	<0.85	1.22	<0.7	<0.77	<0.72	<0.82	<0.72	<0.81	<0.8	<0.79	<0.81	<0.81	<0.83	<0.83	<0.84	<0.85	<0.85	<0.85	<0.83	<0.82
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.1		<0.15	<0.5	<0.15	<0.15	<0.5	<0.15	<0.15	<0.5	<0.15	<0.15	<0.1	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.2	<0.1	<0.2
	Tris(2-ethylhexyl) phosphate	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isocyanates	Isocyanic Acid	ug/kg	250		<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Methyl Isocyanate	ug/kg	250		<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Ethyl Isocyanate	ug/kg	250		<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Propyl Isocyanate	ug/kg	250		<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Phenyl Isocyanate	ug/kg	250		<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Hexamethylene diisocyanate	ug/kg	250		<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
	2,4-Toluene Diisocyanate	ug/kg	250		<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
	2,6-Toluenediisocyanate	ug/kg	250		<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
	Isophorone Diisocyanate	ug/kg	500		<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
Cyanides	Cyanide (Free)	mg/kg	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Cyanide Total	mg/kg	0.5		1.2	4.9	0.8	0.6	1	<0.5	1.9	10.5	1	1	2.1	3.6	<0.5	<0.5	0.9	1.1	<0.5	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5
	Thiocyanate	mg/kg	0.6		0.8	<0.6	<0.6	<0.6	0.9	0.6	0.9	<0.6	1	0.7	1	<0.6	<0.6	<0.6	0.9	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	1.6
Asbestos	Asbestos Level	None			less than 0.1%	Asbestos level cannot be determined from Screen. Quantification required.	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%	less than 0.1%	No Asbestos Detected	less than 0.1%	No Asbestos Detected	less than 0.1%	less than 0.1%	No Asbestos Detected	No Asbestos Detected	less than 0.1%	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	less than 0.1%
	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	ACM Debris
	Asbestos Containing Material (2)	None			-	No Asbestos Detected	-	-	-	-	-	No Asbestos Detected	-	-	-	-	-	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material (3)	None			-	-	-	-	-	-	-	-	-	-	-	-	-	No Asbestos Detected	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos fibres	None			Fibre Bundles	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	Fibre Bundles	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	Fibre Bundles	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	Fibre Bundles	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibre Bundles
	Asbestos Fibres (2)	None			-	Fibre Bundles	-	-	-	-	-	Fibre Bundles	-	-	-	-	-	Fibre Bundles	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (3)	None			-	-	-	-	-	-	-	-	-	-	-	-	-	Fibre Bundles	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Type	None			Amosite	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile	Amosite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile	Chrysotile	No Asbestos Detected	Chrysotile	No Asbestos Detected	Amosite	Amosite	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile
	Asbestos Type 2	None			-	Amosite	-	-	-	-	-	Amosite	-	-	-	-	-	Amosite	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Type 3	None			-	-	-	-	-	-	-	-	-	-	-	-	-	Crocidolite	-	-	-	-	-	-	-	-	-	-	-	-
	General Description (Bulk Analysis)	None			Soil/Stones	soil-stones	soil.stones	Soil/Stones	soil.stones	Soil/Stones	Soil/Stone	Soil/Stone	soil.stones	Soil/Stones	soil-stones	Soil/Stones	soil-stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	soil-stones	soil-stones	soil-stones	soil-stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
	Potentially Respirable Fibres per gram	None	0		66,027	99,523	-	-	-	-	-	0	0	-	-	-	0	67,482	-	0	-	0	0	-	-	0	-	-	-	0
	Asbestos Level Screen	None			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001		<0.001	0.001	-	-	-	-	-	0.002	<0.001	-	-	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	-	-	<0.001	-	-	-	0.083
	Asbestos PCOM Quantification (Fibres)	mass %	0.001		<0.001	<0.001	-	-	-	-	-	<0.001	<0.001	-	-	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	-	-	<0.001	-	-	-	<0.001
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001		<0.001	<0.001	-	-	-	-	-	<0.001	<0.001	-	-	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.001	-	-	<0.001	-	-	-	<0.001

					Monitoring_Zone	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square
					Location_Code	GTCS 1-43	GTCS 1-43	GTCS 1-46	GTCS 1-44	GTCS 1-45	GTCS 1-45	GTCS 1-45	GTCS 1-46	GTCS 1-46	GTCS 1-47	GTCS 1-47	GTCS 1-48	GTCS 1-48	GTCS 1-49	GTCS 1-49	GTCS 1-50	GTCS 1-50	GTCS 1-51	GTCS 1-51	GTCS 1-52	GTCS 1-53	GTCS 1-54	GTCS 1-55	GTCS 1-56	GTCS 1-57	GTCS 1-58	GTCS 1-59
					Sample_Depth_Range	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05
					Sampled_Date_Time	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	05/08/2019	06/08/2019	06/08/2019	06/08/2019	06/08/2019	06/08/2019	06/08/2019	06/08/2019	06/08/2019	06/09/2019	06/09/2019	06/09/2019	06/08/2019	06/08/2019
Chem_Group	ChemName	Output unit	EQL	GAC_HH_POS_RES_SLOAM_<3.48 %TOC																											
	Total Detailed Gravimetric Quantification (% Ash)	mass %	0.005		<0.001	0.001	-	-	-	-	-	0.002	<0.001	-	-	-	<0.001	<0.001	-	<0.001	-	<0.005	<0.005	-	-	<0.001	-	-	-	0.093
	Asbestos Quantification - Total - %	mass %	0.001		<0.001	0.001	-	-	-	-	-	0.002	<0.001	-	-	-	<0.001	<0.001	-	<0.001	-	<0.005	<0.005	-	-	<0.001	-	-	-	0.093
Total Organic Carbon	TOC	percent	0.02		4.83	4.8	4.1	3.68	3.76	1.36	4.85	5.12	4.52	4.71	6.8	2.34	3.74	3.79	4.15	2.4	3.81	2.63	3.64	4.03	3.67	3.68	3.42	3.88	2.31	5.86
Inorganics	pH Units	pH units	0.01		7.57	7.93	7.7	7.82	7.6	7.72	7.84	8.05	7.99	8.17	7.64	7.8	7.79	8.06	7.64	7.84	7.44	7.76	7.62	7.74	7.38	7.6	7.53	7.46	7.08	7.49
Other	Natural Moisture Content	percent	0.1		13.1	13.3	15.5	13.7	10.5	7.3	16.2	13.2	15.4	20.3	13.9	16.9	8.2	8.4	12.4	10.1	11	8.5	9.9	8.3	9.8	10.3	8.9	9.5	7.3	11.4
Total Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	2.75	8.61	1.25	1.4	5.55	3.13	3.27	6.93	2.16	2.9	1.46	1.78	1.43	2.24	1.25	1.3	1.29	1.66	1.29	4.54	1.52	2.08	1.8	2.17	0.78	0.78
AECOM Calculated	WHO TEQ	ng/kg			23.699	56.598	5.469	5.202	9.198	9.939	24.28	57.252	12.474	10.854	29.304	23.039	10.462	11.034	12.671	20.335	18.208	4.54	16.163	4.411	10.025	6.108	8.415	10.852	19.426	13.323
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		10.205	20.660	2.169	1.590	2.912	2.529	7.795	11.958	4.475	3.766	68.585	35.451	16.173	4.552	11.954	11.080	14.602	11.149	66.192	1.817	3.056	2.407	5.217	12.630	279.693	95.809
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	-	-	-	-	-	-	-	-	0.44	0.57	0.06	0.05	0.09	0.10	0.25	0.17	0.12	0.11	0.14	0.25	0.11	0.13	0.12	0.20	0.19	0.05

Comments:
-GAC: Generic Assessment Criteria
-(blank): No assessment criteria available
- : Not analysed
HH: Human Health

				Monitoring_Zone	41. Camelford Walk	41. Camelford Walk
				Location_Code	GTCS 1-15	GTCS 1-16
				Sample_Depth_Range	0-0.05	0-0.05
				Sampled_Date_Time	07/06/2019	07/06/2019
Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_PRK_SLOAM_>3.48%TOC		
VOC TIC	VOC TICs	None			<DL	<DL
Metals	Aluminium	mg/kg	50		11,650	11,400
	Arsenic	mg/kg	0.5	170	9	14.8
	Barium	mg/kg	1		135	225
	Beryllium	mg/kg	0.5	63	0.9	1.3
	Boron	mg/kg	0.1	46000	1.3	1.8
	Cadmium	mg/kg	0.1	880	0.7	1.1
	Chromium (hexavalent)	mg/kg	0.3	250	<0.3	<0.3
	Chromium (III+VI)	mg/kg	0.5	33000	145.2	117.6
	Copper	mg/kg	1	44000	33	54
	Lead	mg/kg	5	1,300	141	280
	Mercury	mg/kg	0.1	240	0.3	0.4
	Nickel	mg/kg	0.7	800	21	25.9
	Selenium	mg/kg	1	1800	1	<1
	Vanadium	mg/kg	1	5000	49	55
	Zinc	mg/kg	5	170000	151	303
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	2100000	<5	<5
	1,1,1-trichloroethane	ug/kg	5	100000000	<5	<5
	1,1,2,2-tetrachloroethane	ug/kg	3	2300000	<3	<3
	1,1,2-trichloroethane	ug/kg	4		<4	<4
	1,1-dichloroethane	ug/kg	6		<6	<6
	1,1-dichloroethene	ug/kg	6		<6	<6
	1,1-dichloropropene	ug/kg	3		<3	<3
	1,2,3-trichlorobenzene	ug/kg	7	1600000	<7	<7
	1,2,3-trichloropropane	ug/kg	4		<4	<4
	1,2,4-trimethylbenzene	ug/kg	6		<6	<6
	1,2-dibromo-3-chloropropane	ug/kg	4		<4	<4
	1,2-dibromoethane	ug/kg	3		<3	<3
	1,2-dichloroethane	ug/kg	5	28000	<5	<5
	1,2-dichloropropane	ug/kg	4		<4	<4
	1,3,5-trimethylbenzene	ug/kg	3		<3	<3
	1,3-dichloropropane	ug/kg	4		<4	<4
	2,2-dichloropropane	ug/kg	4		<4	<4
	2-chlorotoluene	ug/kg	3		<3	<3
	4-chlorotoluene	ug/kg	3		<3	<3
	Benzene	ug/kg	5	230,000	<5	<5
	Bromobenzene	ug/kg	2		<2	<2
	Bromochloromethane	ug/kg	4		<4	<4
	Bromodichloromethane	ug/kg	4		<4	<4
	Bromoform	ug/kg	4		<4	<4
	Bromomethane	ug/kg	1		<1	<1
	Carbon tetrachloride	ug/kg	4	400000	<4	<4
	Chlorobenzene	ug/kg	4	2900000	<4	<4
	Chlorodibromomethane	ug/kg	5		<5	<5
	Chloroethane	ug/kg	6		<6	<6
	Chloroform	ug/kg	5	3100000	<5	<5
	Chloromethane	ug/kg	3		5	11
	cis-1,2-dichloroethene	ug/kg	7		<7	<7
	cis-1,3-dichloropropene	ug/kg	4		<4	<4
	Dibromomethane	ug/kg	4		<4	<4
	Dichlorodifluoromethane	ug/kg	2		<2	<2
	Dichloromethane	ug/kg	30		<30	<30
	Ethylbenzene	ug/kg	3	27000000	<3	<3
	Isopropylbenzene	ug/kg	3		<3	<3
	MTBE	ug/kg	6		<6	<6
	n-butylbenzene	ug/kg	4		<4	<4
	n-propylbenzene	ug/kg	4		<4	<4
	sec-butylbenzene	ug/kg	4		<4	<4
	Styrene	ug/kg	3		<3	<3
	tert-butylbenzene	ug/kg	5		<5	<5
	Tetrachloroethene	ug/kg	3	1500000	<3	<3
	Toluene	ug/kg	3	100000000	<3	<3
	trans-1,2-dichloroethene	ug/kg	3		<3	<3
	trans-1,3-dichloropropene	ug/kg	3		<3	<3
	Trichloroethene	ug/kg	5	120000	<5	<5
	Trichlorofluoromethane	ug/kg	3		<3	<3
	Xylene (m & p)	ug/kg	4		<4	<4
	Xylene (o)	ug/kg	4	33000000	<4	<4
	Vinyl chloride	ug/kg	2	5400	<2	<2
	Carbon disulfide	mg/kg	0.003	2700	<0.003	<0.003
SVOCs	2-methylnaphthalene	ug/kg	10		17	<10
	4-bromophenyl phenyl ether	ug/kg	10		<10	<10
	4-chlorophenyl phenyl ether	ug/kg	10		<10	<10
	Azobenzene	ug/kg	10		<10	<10
	Bis(2-chloroethoxy) methane	ug/kg	10		<10	<10
	Bis(2-chloroethyl)ether	ug/kg	10		<10	<10
	Carbazole	ug/kg	10		76	80
	Dibenzofuran	ug/kg	10		19	22
	Hexachlorobutadiene	ug/kg	4	51000	<4	<4
	Hexachlorocyclopentadiene	ug/kg	10		<10	<10
	Hexachloroethane	ug/kg	10		<10	<10
SVOC - Anilines	2-nitroaniline	ug/kg	10		<10	<10
	3-nitroaniline	ug/kg	10		<10	<10
	4-chloroaniline	ug/kg	10		<10	<10
	4-nitroaniline	ug/kg	10		<10	<10
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		<10	<10
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		<10	<10
	2,6-dinitrotoluene	ug/kg	10		<10	<10
	Nitrobenzene	ug/kg	10		<10	<10
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		<10	<10
	2-chloronaphthalene	ug/kg	10		<10	<10
	2-methylphenol	ug/kg	10		<10	<10
	2-nitrophenol	ug/kg	10		<10	<10
	4-chloro-3-methylphenol	ug/kg	10		<10	<10
	4-methylphenol	ug/kg	10		<10	<10
	4-nitrophenol	ug/kg	10		<10	<10
	Phenol	ug/kg	10	1300000	<10	<10
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		<10	<10
	2,4,6-trichlorophenol	ug/kg	10		<10	<10
	2,4-dichlorophenol	ug/kg	10		<10	<10
	2-chlorophenol	ug/kg	10		<10	<10
	Pentachlorophenol	ug/kg	10	120000	<10	<10
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	4000000	<7	<7
	1,2-dichlorobenzene	ug/kg	4	51000000	<4	<4
	1,3-dichlorobenzene	ug/kg	4	470000	<4	<4
	1,4-dichlorobenzene	ug/kg	4	36000000	<4	<4
	Hexachlorobenzene	ug/kg	10	30000	<10	<10
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1106	459
	Butyl benzyl phthalate	ug/kg	100		<100	<100
	Diethylphthalate	ug/kg	100		<100	<100
	Dimethyl phthalate	ug/kg	100		<100	<100
	Di-n-butyl phthalate	ug/kg	100		<100	<100
	Di-n-octyl phthalate	ug/kg	100		<100	<100
SVOC - Solvents	Isophorone	ug/kg	10		<10	<10
SVOC TIC	Benzo(e)pyrene	ug/kg	100		-	1177
	Nonadecane	ug/kg	100		-	1856
	p-Cymene	ug/kg	4		<4	<4
	Pyrene, 1-methyl-	ug/kg	100		293	502
PAH	Acenaphthene	mg/kg	0.05	30000	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	30000	0.06	0.2
	Anthracene	mg/kg	0.04	150000	0.13	0.21
	Benz(a)anthracene	mg/kg	0.06	62	0.89	1.71
	Benzo(a) pyrene	mg/kg	0.04		0.77	1.65
	Benzo(b)fluoranthene	mg/kg	0.05	16	1.17	2.28
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		1.62	3.16
	Benzo(g,h,i)perylene	mg/kg	0.04	1600	0.75	1.22
	Benzo(k)fluoranthene	mg/kg	0.02	440	0.45	0.88
	Chrysene	mg/kg	0.02	120	0.62	1.33
	Coronene	mg/kg	0.04		0.17	0.27
	Dibenz(a,h)anthracene	mg/kg	0.04	1.4	0.18	0.29
	Fluoranthene	mg/kg	0.03	6400	1.29	2.56
	Fluorene	mg/kg	0.04	20000	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	180	0.65	1.09
	Naphthalene	mg/kg	0.04	3000	<0.04	0.05
	Phenanthrene	mg/kg	0.03	6300	0.39	0.74
	Pyrene	mg/kg	0.03	15000	1.1	2.25
	PAH 16 Total	mg/kg	0.6		8.5	16.5
	PAH 17 Total	mg/kg	0.64		8.62	16.73
PCB (Dutch 7) congeners	PCB 28	ug/kg	5		<5	<5
	PCB 52	ug/kg	5		<5	<5
	PCB 101	ug/kg	5		<5	<5
	PCB 118	ug/kg	5		<5	<5
	PCB 138	ug/kg	5		<5	<5
	PCB 153	ug/kg	5		<5	<5
	PCB 180	ug/kg	5		<5	<5
	Total PCB 7 Congeners	ug/kg	35		<35	<35
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		0.057	0.0599
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		0.00157	0.00223
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		0.525	0.583
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		0.0101	0.0134
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		0.929	1.11
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		0.0281	0.0489
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.0138	0.00247
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		0.242	0.299
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		0.0614	0.0915
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		0.0972	0.157
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		<0.000378	0.00162
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		0.0273	0.046
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	<0.757		<0.976	<0.757
	12378-PeCDD	ng/kg	<0.593		<0.781	<0.593
	123478-HxCDD	ng/kg	<0.904		2.63	<0.904
	123678-HxCDD	ng/kg	<0.849		3.53	<0.849
	123789 HxCDD	ng/kg	<0.874		<1.204	<0.874
	1234678-HpCDD	ng/kg	Variable		145	114
	OCDD	ng/kg	Variable		1180	796
	TEQ(1) (NATO)	ng/kg	Variable		5.11	4.96
	TEQ(2) (NATO)	ng/kg	Variable		3.65	3.41
	OCDF	ng/kg	Variable		42.6	88.5
	2378-TCDD	ng/kg	<0.223		<0.398	<0.223
	12378-PeCDF	ng/kg	<0.815		1.47	<0.815
	23478-PeCDF	ng/kg	<0.538		<0.566	<0.538
	123478-HxCDF	ng/kg	<0.358		<0.358	<0.859
	123678-HxCDF	ng/kg	<0.415		<0.415	<0.807
	234678-HxCDF	ng/kg	<0.373		<0.373	<0.835
	123789-HxCDF	ng/kg	<0.551		<0.551	<1.003
	1234678-HpCDF	ng/kg	26.9		26.9	139
	1234789-HpCDF	ng/kg	2.553		2.09	<2.553
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		<0.79	<0.8
	12378-PBDD	ng/kg	Variable		<0.8	<0.8
	123478-HxBDD	ng/kg	Variable		<0.8	<0.8
	123678-HxBDD	ng/kg	Variable		<0.81	<0.81
	123789-HxBDD	ng/kg	Variable		<0.77	<0.79
	1234678-HpBDD	ng/kg	Variable		<0.82	<0.82
	OBDD	ng/kg	Variable		<0.82	<0.83
	2378-TBDF	ng/kg	Variable		1.1	3.97
	12378-PBDF	ng/kg	Variable		0.85	2.14
	23478-PBDF	ng/kg	Variable		1.16	2.3
	123478-HxBDF	ng/kg	Variable		0.8	1.46
	123678-HxBDF	ng/kg	Variable		<0.77	2.07
	234678-HxBDF	ng/kg	Variable		<0.8	<0.8
	123789-HxBDF	ng/kg	Variable		<0.81	<0.8
	1234678-HpBDF	ng/kg	Variable		<0.8	1.11
	1234789-HpBDF	ng/kg	Variable		<0.82	<0.79
	OBDF	ng/kg	Variable		<0.83	<0.83
Organophosphorous flame retardants	Triphenylphosphate	mg/kg			<0.1	<0.1
	Tris(1-chloro-2-propyl)phosphate	mg/kg			<0.2	<0.15
	Tris(2-ethylhexyl) phosphate	mg/kg			<0.1	<0.1
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg			<0.1	<0.1
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg			<0.1	<0.1
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg			<0.1	<0.1
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg			<0.1	<0.1
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg			<0.1	<0.1
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg			<0.1	<0.1
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg			<0.1	<0.1
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg			<0.1	<0.1
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg			<0.1	<0.1
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg			<0.1	<0.1
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg			<0.1	<0.1
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg			<0.5	<0.5
	4,4-dibromobiphenyl (PBB 15)	mg/kg			<0.5	<0.5
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg			<0.5	<0.5
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg			<0.5	<0.5
	Hexabromobiphenyl (PBB 153)	mg/kg			<0.5	<0.5
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg			<0.5	<0.5
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg			<0.1	<0.1
Isocyanates	Isocyanic Acid	ug/kg	250		<250	<250
	Methyl Isocyanate	ug/kg	250		<250	<250
	Ethyl Isocyanate	ug/kg	250		<250	<250
	Propyl Isocyanate	ug/kg	250		<250	<250
	Phenyl Isocyanate	ug/kg	250		<250	<250
	Hexamethylene diisocyanate	ug/kg	250		<250	<250
	2,4-Toluene Diisocyanate	ug/kg	250		<250	<250
	2,6-Toluenediisocyanate	ug/kg	250		<250	<250
	Isophorone Diisocyanate	ug/kg	500		<500	<500
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		<250	<250
Cyanides	Cyanide (Free)	mg/kg	0.5		<0.5	<0.5
	Cyanide Total	mg/kg	0.5		<0.5	<0.5
	Thiocyanate	mg/kg	0.6		<0.6	0.9
Asbestos	Asbestos Level	None			No Asbestos Detected	No Asbestos Detected
	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None			No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			soil.stones	soil.stones
SVF / MMMF	Synthetic/MMMF	None			1	0
Total Organic Carbon	TOC	percent	0.02		2.38	4.12
Inorganics	pH (Lab)	pH units	0.01		7.59	7.37
Other	Natural Moisture Content	percent	0.1		18.3	7.1
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		21	0.77	1.65
	Xylene Total	ug/kg		31000000	0	0
	Trichlorobenzene (total)	ug/kg			0	0
AECOM Calculated	WHO TEQ	ng/kg			4.773	4.682
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		3405.45	3560.89
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	0.05	0.04

Comments

GAC: Generic Assessment Criteria

(blank): No assessment criteria available

- : Not analysed

HH: Human Health

				Monitoring_Zone	42. Avondale Park	42. Avondale Park
				Location_Code	GTCS 1-21	GTCS 1-22
				Sample_Depth_Range	0-0.05	0-0.05
				Sampled_Date_Time	05/06/2019	05/06/2019
Chem_Group	**ChemName**	**output unit**	**EQL**	GAC_HH_POS_RES_SLOAM_>3.48%TOC		
VOC TIC	VOC TICs	None			<DL	<DL
Metals	Aluminium	mg/kg	50		10,030	11,170
	Arsenic	mg/kg	0.5	79	13.9	15.4
	Barium	mg/kg	1		186	138
	Beryllium	mg/kg	0.5	2.2	1.1	1
	Boron	mg/kg	0.1	21000	4.5	3.8
	Cadmium	mg/kg	0.1	220	1.1	0.9
	Chromium (hexavalent)	mg/kg	0.3	21	<0.3	<0.3
	Chromium (III+VI)	mg/kg	0.5	1500	66.9	72
	Copper	mg/kg	1	12000	81	58
	Lead	mg/kg	5	630	1200	168
	Mercury	mg/kg	0.1	120	0.9	0.3
	Nickel	mg/kg	0.7	230	23.3	22.4
	Selenium	mg/kg	1	1100	<1	1
	Vanadium	mg/kg	1	2000	44	44
	Zinc	mg/kg	5	81000	299	243
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	<5	<5
	1,1,1-trichloroethane	ug/kg	5	140000000	<5	<5
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	<3	<3
	1,1,2-trichloroethane	ug/kg	4		<4	<4
	1,1-dichloroethane	ug/kg	6		<6	<6
	1,1-dichloroethene	ug/kg	6		<6	<6
	1,1-dichloropropene	ug/kg	3		<3	<3
	1,2,3-trichlorobenzene	ug/kg	7	1800000	<7	<7
	1,2,3-trichloropropane	ug/kg	4		<4	<4
	1,2,4-trimethylbenzene	ug/kg	6		<6	<6
	1,2-dibromo-3-chloropropane	ug/kg	4		<4	<4
	1,2-dibromoethane	ug/kg	3		<3	<3
	1,2-dichloroethane	ug/kg	5	29000	<5	<5
	1,2-dichloropropane	ug/kg	4		<4	<4
	1,3,5-trimethylbenzene	ug/kg	3		<3	<3
	1,3-dichloropropane	ug/kg	4		<4	<4
	2,2-dichloropropane	ug/kg	4		<4	<4
	2-chlorotoluene	ug/kg	3		<3	<3
	4-chlorotoluene	ug/kg	3		<3	<3
	Benzene	ug/kg	5	140,000	<5	<5
	Bromobenzene	ug/kg	2		<2	<2
	Bromochloromethane	ug/kg	4		<4	<4
	Bromodichloromethane	ug/kg	4		<4	<4
	Bromoform	ug/kg	4		<4	<4
	Bromomethane	ug/kg	1		<1	<1
	Carbon tetrachloride	ug/kg	4	950000	<4	<4
	Chlorobenzene	ug/kg	4	14000000	<4	<4
	Chlorodibromomethane	ug/kg	5		<5	<5
	Chloroethane	ug/kg	6		<6	<6
	Chloroform	ug/kg	5	2500000	<5	<5
	Chloromethane	ug/kg	3		7	8
	cis-1,2-dichloroethene	ug/kg	7		<7	<7
	cis-1,3-dichloropropene	ug/kg	4		<4	<4
	Dibromomethane	ug/kg	4		<4	<4
	Dichlorodifluoromethane	ug/kg	2		<2	<2
	Dichloromethane	ug/kg	30		<30	<30
	Ethylbenzene	ug/kg	3	25000000	<3	<3
	Isopropylbenzene	ug/kg	3		<3	<3
	MTBE	ug/kg	6		<6	<6
	n-butylbenzene	ug/kg	4		<4	<4
	n-propylbenzene	ug/kg	4		<4	<4
	sec-butylbenzene	ug/kg	4		<4	<4
	Styrene	ug/kg	3		<3	<3
	tert-butylbenzene	ug/kg	5		<5	<5
	Tetrachloroethene	ug/kg	3	1400000	<3	<3
	Toluene	ug/kg	3	56000000	<3	<3
	trans-1,2-dichloroethene	ug/kg	3		<3	<3
	trans-1,3-dichloropropene	ug/kg	3		<3	<3
	Trichloroethene	ug/kg	5	120000	<5	<5
	Trichlorofluoromethane	ug/kg	3		<3	<3
	Xylene (m & p)	ug/kg	4		<4	<4
	Xylene (o)	ug/kg	4	43000000	<4	<4
	Vinyl chloride	ug/kg	2	3500	<2	<2
	Carbon disulfide	mg/kg	0.003	11000	<0.003	<0.003
SVOCs	2-methylnaphthalene	ug/kg	10		43	21
	4-bromophenyl phenyl ether	ug/kg	10		<10	<10
	4-chlorophenyl phenyl ether	ug/kg	10		<10	<10
	Azobenzene	ug/kg	10		<10	<10
	Bis(2-chloroethoxy) methane	ug/kg	10		<10	<10
	Bis(2-chloroethyl)ether	ug/kg	10		<10	<10
	Carbazole	ug/kg	10		61	39
	Dibenzofuran	ug/kg	10		28	15
	Hexachlorobutadiene	ug/kg	4	25000	<4	<4
	Hexachlorocyclopentadiene	ug/kg	10		<10	<10
	Hexachloroethane	ug/kg	10		<10	<10
SVOC - Anilines	2-nitroaniline	ug/kg	10		<10	<10
	3-nitroaniline	ug/kg	10		<10	<10
	4-chloroaniline	ug/kg	10		<10	<10
	4-nitroaniline	ug/kg	10		<10	<10
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		<10	<10
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		<10	<10
	2,6-dinitrotoluene	ug/kg	10		<10	<10
	Nitrobenzene	ug/kg	10		<10	<10
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		<10	<10
	2-chloronaphthalene	ug/kg	10		<10	<10
	2-methylphenol	ug/kg	10		<10	<10
	2-nitrophenol	ug/kg	10		<10	<10
	4-chloro-3-methylphenol	ug/kg	10		<10	<10
	4-methylphenol	ug/kg	10		<10	<10
	4-nitrophenol	ug/kg	10		<10	<10
	Phenol	ug/kg	10	1300000	<10	<10
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		<10	<10
	2,4,6-trichlorophenol	ug/kg	10		<10	<10
	2,4-dichlorophenol	ug/kg	10		<10	<10
	2-chlorophenol	ug/kg	10		<10	<10
	Pentachlorophenol	ug/kg	10	60000	<10	<10
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	<7	<7
	1,2-dichlorobenzene	ug/kg	4	98000000	<4	<4
	1,3-dichlorobenzene	ug/kg	4	300000	<4	<4
	1,4-dichlorobenzene	ug/kg	4	17000000	<4	<4
	Hexachlorobenzene	ug/kg	10	16000	<10	<10
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		571	1546
	Butyl benzyl phthalate	ug/kg	100		<100	<100
	Diethylphthalate	ug/kg	100		<100	<100
	Dimethyl phthalate	ug/kg	100		<100	<100
	Di-n-butyl phthalate	ug/kg	100		<100	<100
	Di-n-octyl phthalate	ug/kg	100		<100	<100
SVOC - Solvents	Isophorone	ug/kg	10		<10	<10
SVOC TIC	2-Methylchrysene	ug/kg	100		126	-
	Benzo(e)pyrene	ug/kg	100		-	318
	Eicosane	ug/kg	100		1737	-
	Heptadecane	ug/kg	100		594	-
	p-Cymene	ug/kg	4		<4	<4
	Pyrene, 1-methyl-	ug/kg	100		228	-
	Retene	ug/kg	100		281	-
	3,5,6-Trimethyl-p-quinone, 2-(2,5-dioxotetrahydrofuran-3-yl)thio-	ug/kg	100		637	-
PAH	Acenaphthene	mg/kg	0.05	15000	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	15000	0.17	0.1
	Anthracene	mg/kg	0.04	74000	0.19	0.22
	Benz(a)anthracene	mg/kg	0.06	29	0.72	0.81
	Benzo(a) pyrene	mg/kg	0.04		0.9	0.95
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	1.21	1.26
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		1.68	1.75
	Benzo(g,h,i)perylene	mg/kg	0.04	640	0.68	0.67
	Benzo(k)fluoranthene	mg/kg	0.02	190	0.47	0.49
	Chrysene	mg/kg	0.02	57	0.8	0.89
	Coronene	mg/kg	0.04		0.18	0.12
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	0.18	0.16
	Fluoranthene	mg/kg	0.03	3100	1.37	1.71
	Fluorene	mg/kg	0.04	9900	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	0.67	0.62
	Naphthalene	mg/kg	0.04	4900	0.05	<0.04
	Phenanthrene	mg/kg	0.03	3100	0.46	0.82
	Pyrene	mg/kg	0.03	7400	1.19	1.47
	PAH 16 Total	mg/kg	0.6		9.1	10.2
	PAH 17 Total	mg/kg	0.64		9.24	10.29
PCB (Dutch 7) congeners	PCB 28	ug/kg	5		<5	<5
	PCB 52	ug/kg	5		<5	<5
	PCB 101	ug/kg	5		<5	<5
	PCB 118	ug/kg	5		<5	<5
	PCB 138	ug/kg	5		<5	<5
	PCB 153	ug/kg	5		<5	<5
	PCB 180	ug/kg	5		<5	<5
	Total PCB 7 Congeners	ug/kg	35		<35	<35
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		0.0576	0.0532
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		0.000997	0.000617
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		0.269	0.241
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		0.00814	0.00369
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		0.554	0.52
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		0.0149	0.0155
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.00808	0.013
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		0.101	0.109
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		0.0342	0.0394
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		0.0511	0.0577
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.000795	0.00125
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		0.0183	0.0126
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	0.234		6.49	<0.234
	12378-PeCDD	ng/kg	0.4		1.07	<0.4
	123478-HxCDD	ng/kg	0.394		1.82	<0.394
	123678-HxCDD	ng/kg	Variable		3.09	1.96
	123789 HxCDD	ng/kg	Variable		2.27	0.583
	1234678-HpCDD	ng/kg	Variable		67.5	50.8
	OCDD	ng/kg	Variable		450	419
	TEQ(1) (NATO)	ng/kg	Variable		9.12	2.11
	TEQ(2) (NATO)	ng/kg	Variable		8.9	1.55
	OCDF	ng/kg	Variable		42.3	23.8
	2378-TCDD	ng/kg	0.104		<0.218	<0.104
	12378-PeCDF	ng/kg	Variable		4.43	1.01
	23478-PeCDF	ng/kg	0.242		7.29	<0.242
	123478-HxCDF	ng/kg	0.217		6.17	<0.217
	123678-HxCDF	ng/kg	0.225		4.09	<0.225
	234678-HxCDF	ng/kg	0.997		4.05	0.997
	123789-HxCDF	ng/kg	0.245		0.547	<0.245
	1234678-HpCDF	ng/kg	Variable		46	18.5
	1234789-HpCDF	ng/kg	Variable		2.17	0.946
Brominated Dioxins and Furans	2378-TBDD	ng/kg	0.8		<0.8	<0.8
	12378-PBDD	ng/kg	0.78		<0.78	<0.79
	123478-HxBDD	ng/kg	0.77		<0.77	<0.77
	123678-HxBDD	ng/kg	0.78		<0.78	<0.8
	123789-HxBDD	ng/kg	0.71		<0.71	<0.74
	1234678-HpBDD	ng/kg	0.8		<0.8	<0.8
	OBDD	ng/kg	0.8		<0.82	<0.8
	2378-TBDF	ng/kg	Variable		2.87	0.98
	12378-PBDF	ng/kg	Variable		1.75	1.14
	23478-PBDF	ng/kg	0.8		0.89	<0.8
	123478-HxBDF	ng/kg	Variable		2.1	0.79
	123678-HxBDF	ng/kg	0.8		1.85	<0.8
	234678-HxBDF	ng/kg	0.75		<0.75	<0.77
	123789-HxBDF	ng/kg	0.8		<0.81	<0.8
	1234678-HpBDF	ng/kg	0.77		<0.77	<0.79
	1234789-HpBDF	ng/kg	0.74		<0.79	<0.74
	OBDF	ng/kg	0.83		<0.85	<0.83
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1		<0.1	<0.1
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.15		<0.15	<0.15
	Tris(2-ethylhexyl) phosphate	mg/kg	0.1		<0.1	<0.1
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1		<0.1	<0.1
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg	0.1		<0.1	<0.1
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		<0.1	<0.1
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1		<0.1	<0.1
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1		<0.1	<0.1
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		<0.1	<0.1
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1		<0.1	<0.1
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1		<0.1	<0.1
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		<0.1	<0.1
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1		<0.1	<0.1
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1		<0.1	<0.1
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5		<0.5	<0.5
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5		<0.5	<0.5
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5		<0.5	<0.5
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5		<0.5	<0.5
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5		<0.5	<0.5
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5		<0.5	<0.5
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1		<0.1	<0.1
Isocyanates	Isocyanic Acid	ug/kg	250		<250	<250
	Methyl Isocyanate	ug/kg	250		<250	<250
	Ethyl Isocyanate	ug/kg	250		<250	<250
	Propyl Isocyanate	ug/kg	250		<250	<250
	Phenyl Isocyanate	ug/kg	250		<250	<250
	Hexamethylene diisocyanate	ug/kg	250		<250	<250
	2,4-Toluene Diisocyanate	ug/kg	250		<250	<250
	2,6-Toluenediisocyanate	ug/kg	250		<250	<250
	Isophorone Diisocyanate	ug/kg	500		<500	<500
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		<250	<250
Cyanides	Cyanide (Free)	mg/kg	0.5		<0.5	<0.5
	Cyanide Total	mg/kg	0.5		0.7	0.7
	Thiocyanate	mg/kg	0.6		0.8	1.3
Asbestos	Asbestos Level	None			No Asbestos Detected	No Asbestos Detected
	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None			No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			soil.stones	soil.stones
SVF / MMMF	Synthetic/MMMF	None			0	0
Total Organic Carbon	TOC	percent	0.02		4.09	5.75
Inorganics	pH (Lab)	pH units	0.01		7.73	7.42
Other	Natural Moisture Content	percent	0.1		13.8	9.5
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	0.9	0.95
	Xylene Total	ug/kg		43000000	0	0
	Trichlorobenzene (total)	ug/kg			0	0
AECOM Calculated	WHO TEQ	ng/kg			9.417	2.803
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		1785.41	1588.21
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	0.1	0.03

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

				Monitoring_Zone	43. Avondale Park Gardens	43. Avondale Park Gardens
				Location_Code	GTCS 1-23	GTCS 1-24
				Sample_Depth_Range	0-0.05	0-0.05
				Sampled_Date_Time	05/06/2019	05/06/2019
				GAC_HH_POS_RES_SLOAM_>3.48%TOC		
Chem_Group	**ChemName**	**output unit**	**EQL**			
VOC TIC	Undecane	ug/kg	100		-	386
	VOC TICs	None			<DL	-
Metals	Aluminium	mg/kg	50		12,090	13,720
	Arsenic	mg/kg	0.5	79	18.4	23.1
	Barium	mg/kg	1		540	269
	Beryllium	mg/kg	0.5	2.2	1.3	1.6
	Boron	mg/kg	0.1	21000	6.4	2.7
	Cadmium	mg/kg	0.1	220	0.9	1
	Chromium (hexavalent)	mg/kg	0.3	21	<0.3	<0.3
	Chromium (III+VI)	mg/kg	0.5	120	71.5	68.2
	Copper	mg/kg	1	12000	93	76
	Lead	mg/kg	5	630	2099	659
	Mercury	mg/kg	0.1	120	0.8	1.8
	Nickel	mg/kg	0.7	230	24.9	27.4
	Selenium	mg/kg	1	1100	1	2
	Vanadium	mg/kg	1	2000	53	62
	Zinc	mg/kg	5	81000	499	285
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1400000	<5	<5
	1,1,1-trichloroethane	ug/kg	5	140000000	<5	<5
	1,1,2,2-tetrachloroethane	ug/kg	3	1400000	<3	<3
	1,1,2-trichloroethane	ug/kg	4		<4	<4
	1,1-dichloroethane	ug/kg	6		<6	<6
	1,1-dichloroethene	ug/kg	6		<6	<6
	1,1-dichloropropene	ug/kg	3		<3	<3
	1,2,3-trichlorobenzene	ug/kg	7	1800000	<7	<7
	1,2,3-trichloropropane	ug/kg	4		<4	<4
	1,2,4-trimethylbenzene	ug/kg	6		<6	<6
	1,2-dibromo-3-chloropropane	ug/kg	4		<4	<4
	1,2-dibromoethane	ug/kg	3		<3	<3
	1,2-dichloroethane	ug/kg	5	29000	<5	<5
	1,2-dichloropropane	ug/kg	4		<4	<4
	1,3,5-trimethylbenzene	ug/kg	3		<3	<3
	1,3-dichloropropane	ug/kg	4		<4	<4
	2,2-dichloropropane	ug/kg	4		<4	<4
	2-chlorotoluene	ug/kg	3		<3	<3
	4-chlorotoluene	ug/kg	3		<3	<3
	Benzene	ug/kg	5	140,000	<5	<5
	Bromobenzene	ug/kg	2		<2	<2
	Bromochloromethane	ug/kg	4		<4	<4
	Bromodichloromethane	ug/kg	4		<4	<4
	Bromoform	ug/kg	4		<4	<4
	Bromomethane	ug/kg	1		<1	<1
	Carbon tetrachloride	ug/kg	4	950000	<4	<4
	Chlorobenzene	ug/kg	4	14000000	<4	<4
	Chlorodibromomethane	ug/kg	5		<5	<5
	Chloroethane	ug/kg	6		<6	<6
	Chloroform	ug/kg	5	2500000	<5	<5
	Chloromethane	ug/kg	3		16	7
	cis-1,2-dichloroethene	ug/kg	7		<7	<7
	cis-1,3-dichloropropene	ug/kg	4		<4	<4
	Dibromomethane	ug/kg	4		<4	<4
	Dichlorodifluoromethane	ug/kg	2		<2	<2
	Dichloromethane	ug/kg	30		<30	<30
	Ethylbenzene	ug/kg	3	25000000	3	<3
	Isopropylbenzene	ug/kg	3		<3	<3
	MTBE	ug/kg	6		<6	<6
	n-butylbenzene	ug/kg	4		<4	<4
	n-propylbenzene	ug/kg	4		<4	<4
	sec-butylbenzene	ug/kg	4		<4	<4
	Styrene	ug/kg	3		<3	<3
	tert-butylbenzene	ug/kg	5		<5	<5
	Tetrachloroethene	ug/kg	3	1400000	<3	<3
	Toluene	ug/kg	3	56000000	<3	<3
	trans-1,2-dichloroethene	ug/kg	3		<3	<3
	trans-1,3-dichloropropene	ug/kg	3		<3	<3
	Trichloroethene	ug/kg	5	120000	<5	<5
	Trichlorofluoromethane	ug/kg	3		<3	<3
	Xylene (m & p)	ug/kg	4		<4	<4
	Xylene (o)	ug/kg	4	43000000	<4	<4
	Vinyl chloride	ug/kg	2	3500	<2	<2
	Carbon disulfide	mg/kg	0.003	11000	<0.003	<0.003
SVOCs	2-methylnaphthalene	ug/kg	10		162	131
	4-bromophenyl phenyl ether	ug/kg	10		<10	<10
	4-chlorophenyl phenyl ether	ug/kg	10		<10	<10
	Azobenzene	ug/kg	10		<10	<10
	Bis(2-chloroethoxy) methane	ug/kg	10		<10	<10
	Bis(2-chloroethyl)ether	ug/kg	10		<10	<10
	Carbazole	ug/kg	10		329	238
	Dibenzofuran	ug/kg	10		139	107
	Hexachlorobutadiene	ug/kg	4	25000	<4	<4
	Hexachlorocyclopentadiene	ug/kg	10		<10	<10
	Hexachloroethane	ug/kg	10		<10	<10
SVOC - Anilines	2-nitroaniline	ug/kg	10		<10	<10
	3-nitroaniline	ug/kg	10		<10	<10
	4-chloroaniline	ug/kg	10		<10	<10
	4-nitroaniline	ug/kg	10		<10	<10
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		<10	<10
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		<10	<10
	2,6-dinitrotoluene	ug/kg	10		<10	<10
	Nitrobenzene	ug/kg	10		<10	<10
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		<10	<10
	2-chloronaphthalene	ug/kg	10		<10	<10
	2-methylphenol	ug/kg	10		<10	<10
	2-nitrophenol	ug/kg	10		<10	<10
	4-chloro-3-methylphenol	ug/kg	10		<10	<10
	4-methylphenol	ug/kg	10		<10	<10
	4-nitrophenol	ug/kg	10		<10	<10
	Phenol	ug/kg	10	1300000	<10	<10
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		<10	<10
	2,4,6-trichlorophenol	ug/kg	10		<10	<10
	2,4-dichlorophenol	ug/kg	10		<10	<10
	2-chlorophenol	ug/kg	10		<10	<10
	Pentachlorophenol	ug/kg	10	60000	<10	<10
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19000000	<7	<7
	1,2-dichlorobenzene	ug/kg	4	98000000	<4	<4
	1,3-dichlorobenzene	ug/kg	4	300000	<4	<4
	1,4-dichlorobenzene	ug/kg	4	17000000	<4	<4
	Hexachlorobenzene	ug/kg	10	16000	<10	83
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		399	384
	Butyl benzyl phthalate	ug/kg	100		<100	<100
	Diethylphthalate	ug/kg	100		<100	<100
	Dimethyl phthalate	ug/kg	100		<100	<100
	Di-n-butyl phthalate	ug/kg	100		<100	<100
	Di-n-octyl phthalate	ug/kg	100		<100	<100
SVOC - Solvents	Isophorone	ug/kg	10		<10	<10
SVOC TIC	1,2,9,10-Dibenzopyrene	ug/kg	100		-	1190
	11H-Benzo[a]fluoren-11-one	ug/kg	100		-	296
	11H-Benzo(b)fluorene	ug/kg	100		-	316
	1H-Inden-1-one, 2,3-dihydro-	ug/kg	100		368	-
	2-Methylchrysene	ug/kg	100		-	503
	4,4-Bis(tetrahydrothiopyran)	ug/kg	100		2508	336
	4H-Cyclopenta[def]phenanthrene	ug/kg	100		-	558
	9,10-Anthracenedione	ug/kg	100		389	217
	Anthra(1,2-b)thiophene	ug/kg	100		-	620
	Benz[a]anthracene, 7-methyl-	ug/kg	100		-	804
	Benzo(c)carbazole	ug/kg	100		-	387
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100		2312	-
	Benzo[b]naphtho[2,3-d]furan	ug/kg	100		1417	412
	Benzo(e)pyrene	ug/kg	100		10,148	-
	Chrysene, 1-methyl-	ug/kg	100		2567	-
	Cyclopenta(cd)pyrene, 3,4-dihydro-	ug/kg	100		3954	998
	Cyclopenta(def)phenanthrenone	ug/kg	100		1456	303
	Dibenzo[def,mno]chrysene	ug/kg	100		2785	-
	di-p-Tolylacetylene	ug/kg	100		576	-
	Fluoranthene, 2-methyl-	ug/kg	100		4555	764
	Heneicosane	ug/kg	100		6918	-
	Indene	ug/kg	100		1027	-
	Indeno[1,2,3-fg]naphthacene	ug/kg	100		-	718
	Naphthalene, 2-phenyl-	ug/kg	100		729	-
	Octadecane	ug/kg	100		8766	-
	p-Cymene	ug/kg	4		<4	<4
	Perylene	ug/kg	100		-	2798
	Phenanthrene, 1-methyl-	ug/kg	100		849	200
	Phenanthrene, 2-methyl-	ug/kg	100		1313	308
	Pyrene, 1,3-dimethyl-	ug/kg	100		1021	-
	Pyrene, 1-methyl-	ug/kg	100		1978	396
	Triphenylene	ug/kg	100		9889	-
	3,5,6-Trimethyl-p-quinone, 2-(2,5-dioxotetrahydrofuran-3-yl)thio-	ug/kg	100		7888	1963
PAH	Acenaphthene	mg/kg	0.05	15000	0.16	0.16
	Acenaphthylene	mg/kg	0.03	15000	1.69	1.04
	Anthracene	mg/kg	0.04	74000	1.74	1.24
	Benz(a)anthracene	mg/kg	0.06	29	5.55	4.4
	Benzo(a) pyrene	mg/kg	0.04		7.43	5.75
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	9.25	7.17
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		12.85	9.96
	Benzo(g,h,i)perylene	mg/kg	0.04	640	5.46	4.34
	Benzo(k)fluoranthene	mg/kg	0.02	190	3.6	2.79
	Chrysene	mg/kg	0.02	57	5.77	4.53
	Coronene	mg/kg	0.04		1.23	1.04
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	1.01	1.06
	Fluoranthene	mg/kg	0.03	3100	9.69	8.11
	Fluorene	mg/kg	0.04	9900	0.2	0.16
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	5.22	4.2
	Naphthalene	mg/kg	0.04	4900	0.29	0.28
	Phenanthrene	mg/kg	0.03	3100	2.85	2.56
	Pyrene	mg/kg	0.03	7400	8.8	7.19
	PAH 16 Total	mg/kg	0.6		68.7	55
	PAH 17 Total	mg/kg	0.64		69.94	56.02
PCB (Dutch 7) congeners	PCB 28	ug/kg	5		<5	<5
	PCB 52	ug/kg	5		<5	<5
	PCB 101	ug/kg	5		<5	<5
	PCB 118	ug/kg	5		<5	<5
	PCB 138	ug/kg	5		<5	<5
	PCB 153	ug/kg	5		<5	<5
	PCB 180	ug/kg	5		<5	<5
	Total PCB 7 Congeners	ug/kg	35		<35	<35
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	5		0.0331	0.0339
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	5		0.00206	0.00266
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	5		0.248	0.228
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	5		0.00577	0.00466
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	5		0.512	0.507
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	5		0.0127	0.0172
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	5		0.00646	0.0119
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	5		0.128	0.104
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	5		0.0347	0.0301
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	5		0.0603	0.0481
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	5		0.00152	0.00211
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	5		0.0192	0.0144
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		7.74	12.8
	12378-PeCDD	ng/kg	Variable		2.05	2.68
	123478-HxCDD	ng/kg	Variable		2.07	2.71
	123678-HxCDD	ng/kg	Variable		3.63	6.17
	123789 HxCDD	ng/kg	Variable		2.13	5.17
	1234678-HpCDD	ng/kg	Variable		53.2	55.8
	OCDD	ng/kg	Variable		327	270
	TEQ(1) (NATO)	ng/kg	Variable		11.5	13.8
	TEQ(2) (NATO)	ng/kg	Variable		11.1	13.5
	OCDF	ng/kg	Variable		33.1	40.1
	2378-TCDD	ng/kg	Variable		<0.377	<0.235
	12378-PeCDF	ng/kg	Variable		5.51	9.94
	23478-PeCDF	ng/kg	Variable		8.98	8.96
	123478-HxCDF	ng/kg	Variable		8.85	10.9
	123678-HxCDF	ng/kg	Variable		6.54	9.62
	234678-HxCDF	ng/kg	Variable		7.47	9.24
	123789-HxCDF	ng/kg	Variable		<0.333	0.943
	1234678-HpCDF	ng/kg	Variable		50.1	54.7
	1234789-HpCDF	ng/kg	Variable		2.8	2.64
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable		<0.78	<0.8
	12378-PBDD	ng/kg	Variable		<0.81	<0.81
	123478-HxBDD	ng/kg	Variable		<0.79	<0.77
	123678-HxBDD	ng/kg	Variable		<0.76	<0.79
	123789-HxBDD	ng/kg	Variable		<0.69	<0.73
	1234678-HpBDD	ng/kg	Variable		<0.8	<0.78
	OBDD	ng/kg	Variable		<0.82	<0.82
	2378-TBDF	ng/kg	Variable		1.98	3.08
	12378-PBDF	ng/kg	Variable		1.54	1.66
	23478-PBDF	ng/kg	Variable		0.83	1.19
	123478-HxBDF	ng/kg	Variable		0.62	1.9
	123678-HxBDF	ng/kg	Variable		0.79	2.27
	234678-HxBDF	ng/kg	Variable		<0.78	<0.88
	123789-HxBDF	ng/kg	Variable		<0.82	<0.82
	1234678-HpBDF	ng/kg	Variable		<0.74	<0.79
	1234789-HpBDF	ng/kg	Variable		<0.8	<0.83
	OBDF	ng/kg	Variable		<0.84	<0.85
Organophosphorous flame retardants	Triphenylphosphate	mg/kg			<0.1	<0.1
	Tris(1-chloro-2-propyl)phosphate	mg/kg			<0.15	<0.15
	Tris(2-ethylhexyl) phosphate	mg/kg			<0.1	<0.1
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg			<0.1	<0.1
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg			<0.1	<0.1
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg			<0.1	<0.1
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg			<0.1	<0.1
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg			<0.1	<0.1
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg			<0.1	<0.1
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg			<0.1	<0.1
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg			<0.1	<0.1
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg			<0.1	<0.1
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg			<0.1	<0.1
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg			<0.1	<0.1
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg			<0.5	<0.5
	4,4-dibromobiphenyl (PBB 15)	mg/kg			<0.5	<0.5
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg			<0.5	<0.5
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg			<0.5	<0.5
	Hexabromobiphenyl (PBB 153)	mg/kg			<0.5	<0.5
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg			<0.5	<0.5
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg			<0.1	<0.1
Isocyanates	Isocyanic Acid	ug/kg	250		<250	<250
	Methyl Isocyanate	ug/kg	250		<250	<250
	Ethyl Isocyanate	ug/kg	250		<250	<250
	Propyl Isocyanate	ug/kg	250		<250	<250
	Phenyl Isocyanate	ug/kg	250		<250	<250
	Hexamethylene diisocyanate	ug/kg	250		<250	<250
	2,4-Toluene Diisocyanate	ug/kg	250		<250	<250
	2,6-Toluenediisocyanate	ug/kg	250		<250	<250
	Isophorone Diisocyanate	ug/kg	500		<500	<500
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		<250	<250
Cyanides	Cyanide (Free)	mg/kg	0.5		<0.5	<0.5
	Cyanide Total	mg/kg	0.5		0.8	0.6
	Thiocyanate	mg/kg	0.6		1.7	1.8
Asbestos	Asbestos Level	None			No Asbestos	No Asbestos
	Asbestos Containing Material	None			No Asbestos	No Asbestos
	Asbestos fibres	None			No Asbestos	No Asbestos
	Asbestos Type	None			No Asbestos	No Asbestos
	General Description (Bulk Analysis)	None			soil-stones	soil-stones
SVF / MMMF	Synthetic/MMMF	None			0	0
Total Organic Carbon	TOC	percent	0.02		6.14	5.84
Inorganics	pH (Lab)	pH units	0.01		7.6	7.27
Other	Natural Moisture Content	percent	0.1		15	15.2
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	7.43	5.75
	Xylene Total	ug/kg		43000000	0	0
	Trichlorobenzene (total)	ug/kg			0	0
AECOM Calculated	WHO TEQ	ng/kg			11.281	15.063
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various	8,700	1607.58	1533.703
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	0.11	0.15

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

					Monitoring_Zone	44. West London Bowling Club	44. West London Bowling Club
					Location_Code	GTCS 1-39	GTCS 1-40
					Sample_Depth_Range	0-0.05	0-0.05
					Sampled_Date_Time	04/06/2019	04/06/2019
				GAC_HH_POS_PRK_SLOAM_>3.48%TOC	GAC_HH_POS_RES_SLOAM_>3.48%TOC		
Chem_Group	**ChemName**	**output unit**	**EQL**				
VOC TIC	Eucalyptol	ug/kg	100			317	-
Metals	Aluminium	mg/kg	50			13,595	15,970
	Arsenic	mg/kg	0.5	170	79	27.4	25.8
	Barium	mg/kg	1			252	563
	Beryllium	mg/kg	0.5	63	2.2	1.5	2.2
	Boron	mg/kg	0.1	46000	21000	4.6	4.3
	Cadmium	mg/kg	0.1	880	220	0.6	1
	Chromium (Trivalent)	mg/kg	0.5	33000	1500	29.1	-
	Chromium (hexavalent)	mg/kg	0.3	250	21	<0.3	<0.3
	Chromium (iii+VI)	mg/kg	0.5	33,000	1,500	29.1	70.5
	Copper	mg/kg	1	44000	12000	58	76
	Lead	mg/kg	5	1,300	630	342	1311
	Mercury	mg/kg	0.1	240	120	2.7	2.1
	Nickel	mg/kg	0.7	800	230	23.1	30
	Selenium	mg/kg	1	1800	1100	1	2
	Vanadium	mg/kg	1	5000	2000	57	59
	Zinc	mg/kg	5	170000	81000	246	318
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	2100000	1400000	<5	<5
	1,1,1-trichloroethane	ug/kg	5	100000000	140000000	<5	<5
	1,1,2,2-tetrachloroethane	ug/kg	3	2300000	1400000	<3	<3
	1,1,2-trichloroethane	ug/kg	4			<4	<4
	1,1-dichloroethane	ug/kg	6			<6	<6
	1,1-dichloroethene	ug/kg	6			<6	<6
	1,1-dichloropropene	ug/kg	3			<3	<3
	1,2,3-trichlorobenzene	ug/kg	7	1600000	1800000	<7	<7
	1,2,3-trichloropropane	ug/kg	4			<4	<4
	1,2,4-trimethylbenzene	ug/kg	6			<6	<6
	1,2-dibromo-3-chloropropane	ug/kg	4			<4	<4
	1,2-dibromoethane	ug/kg	3			<3	<3
	1,2-dichloroethane	ug/kg	5	28000	29000	<5	<5
	1,2-dichloropropane	ug/kg	4			<4	<4
	1,3,5-trimethylbenzene	ug/kg	3			<3	<3
	1,3-dichloropropane	ug/kg	4			<4	<4
	2,2-dichloropropane	ug/kg	4			<4	<4
	2-chlorotoluene	ug/kg	3			<3	<3
	4-chlorotoluene	ug/kg	3			<3	<3
	Benzene	ug/kg	5	230,000	140,000	<5	<5
	Bromobenzene	ug/kg	2			<2	<2
	Bromochloromethane	ug/kg	4			<4	<4
	Bromodichloromethane	ug/kg	4			<4	<4
	Bromoform	ug/kg	4			<4	<4
	Bromomethane	ug/kg	1			<1	<1
	Carbon tetrachloride	ug/kg	4	400000	950000	<4	<4
	Chlorobenzene	ug/kg	4	2900000	14000000	<4	<4
	Chlorodibromomethane	ug/kg	5			<5	<5
	Chloroethane	ug/kg	6			<6	<6
	Chloroform	ug/kg	5	3100000	2500000	<5	<5
	Chloromethane	ug/kg	3			12	27
	cis-1,2-dichloroethene	ug/kg	7			<7	<7
	cis-1,3-dichloropropene	ug/kg	4			<4	<4
	Dibromomethane	ug/kg	4			<4	<4
	Dichlorodifluoromethane	ug/kg	2			<2	<2
	Dichloromethane	ug/kg	30			<30	<30
	Ethylbenzene	ug/kg	3	27000000	25000000	<3	<3
	Isopropylbenzene	ug/kg	3			<3	<3
	MTBE	ug/kg	6			<6	<6
	n-butylbenzene	ug/kg	4			<4	<4
	n-propylbenzene	ug/kg	4			<4	<4
	sec-butylbenzene	ug/kg	4			<4	<4
	Styrene	ug/kg	3			<3	<3
	tert-butylbenzene	ug/kg	5			<5	<5
	Tetrachloroethene	ug/kg	3	1500000	1400000	<3	<3
	Toluene	ug/kg	3	100000000	56000000	<3	<3
	trans-1,2-dichloroethene	ug/kg	3			<3	<3
	trans-1,3-dichloropropene	ug/kg	3			<3	<3
	Trichloroethene	ug/kg	5	120000	120000	<5	<5
	Trichlorofluoromethane	ug/kg	3			<3	<3
	Xylene (m & p)	ug/kg	4			<4	<4
	Xylene (o)	ug/kg	4	33000000	43000000	<4	<4
	Vinyl chloride	ug/kg	2	5400	3500	<2	<2
	Carbon disulfide	mg/kg	0.003	2700	11000	<0.003	<0.003
SVOCs	2-methylnaphthalene	ug/kg	10			49	35
	4-bromophenyl phenyl ether	ug/kg	10			<10	<10
	4-chlorophenyl phenyl ether	ug/kg	10			<10	<10
	Azobenzene	ug/kg	10			<10	<10
	Bis(2-chloroethoxy) methane	ug/kg	10			<10	<10
	Bis(2-chloroethyl)ether	ug/kg	10			<10	<10
	Carbazole	ug/kg	10			93	75
	Dibenzofuran	ug/kg	10			37	27
	Hexachlorobutadiene	ug/kg	4	51000	25000	<4	<4
	Hexachlorocyclopentadiene	ug/kg	10			<10	<10
	Hexachloroethane	ug/kg	10			<10	<10
SVOC - Anilines	2-nitroaniline	ug/kg	10			<10	<10
	3-nitroaniline	ug/kg	10			<10	<10
	4-chloroaniline	ug/kg	10			<10	<10
	4-nitroaniline	ug/kg	10			<10	<10
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10			<10	<10
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10			<10	<10
	2,6-dinitrotoluene	ug/kg	10			<10	<10
	Nitrobenzene	ug/kg	10			<10	<10
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10			<10	<10
	2-chloronaphthalene	ug/kg	10			<10	<10
	2-methylphenol	ug/kg	10			<10	<10
	2-nitrophenol	ug/kg	10			<10	<10
	4-chloro-3-methylphenol	ug/kg	10			<10	<10
	4-methylphenol	ug/kg	10			<10	<10
	4-nitrophenol	ug/kg	10			<10	<10
	Phenol	ug/kg	10	1300000	1300000	<10	<10
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10			<10	<10
	2,4,6-trichlorophenol	ug/kg	10			<10	<10
	2,4-dichlorophenol	ug/kg	10			<10	<10
	2-chlorophenol	ug/kg	10			<10	<10
	Pentachlorophenol	ug/kg	10	120000	60000	<10	<10
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	4000000	19000000	<7	<7
	1,2-dichlorobenzene	ug/kg	4	51000000	98000000	<4	<4
	1,3-dichlorobenzene	ug/kg	4	470000	300000	<4	<4

						Monitoring_Zone	44. West London Bowling Club	44. West London Bowling Club
						Location_Code	GTCS 1-39	GTCS 1-40
						Sample_Depth_Range	0-0.05	0-0.05
						Sampled_Date_Time	04/06/2019	04/06/2019
				GAC_HH_POS_PRK_SLOAM_>3.48%TOC	GAC_HH_POS_RES_SLOAM_>3.48%TOC			
Chem_Group	**ChemName**	**output unit**	**EQL**					
	1,4-dichlorobenzene	ug/kg	4	36000000	17000000		<4	<4
	Hexachlorobenzene	ug/kg	10	30000	16000		<10	<10
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100				<100	282
	Butyl benzyl phthalate	ug/kg	100				<100	<100
	Diethylphthalate	ug/kg	100				<100	<100
	Dimethyl phthalate	ug/kg	100				<100	<100
	Di-n-butyl phthalate	ug/kg	100				<100	<100
	Di-n-octyl phthalate	ug/kg	100				<100	<100
SVOC - Solvents	Isophorone	ug/kg	10				<10	<10
SVOC TIC	.alpha.-Pinene	ug/kg	100				-	216
	1,5,5-Trimethyl-6-methylene-cyclohexene	ug/kg	100				5220	-
	2-Methylchrysene	ug/kg	100				-	180
	Alloaromadendrene	ug/kg	100				18,260	-
	Aromandendrene	ug/kg	100				3643	-
	Benzo(e)pyrene	ug/kg	100				2604	-
	Ferruginol	ug/kg	100				-	2005
	Heneicosane	ug/kg	100				-	1432
	Heptadecane	ug/kg	100				-	485
	Longifolene	ug/kg	100				-	561
	p-Cymene	ug/kg	4				26	<4
	Perylene	ug/kg	100				-	492
	Phenanthrene, 1-methyl-	ug/kg	100				-	180
	(1aS,4S,7bR)-1,1,4,7-tetramethyl-1a,2,3,4,4a,5,6,7b-octahydrocyclopropa[e]azulene	ug/kg	100				2983	-
	Calarene	ug/kg	100				9410	-
	Totarol	ug/kg	100				-	10,624
	4,7-Methanoazulene, 1,2,3,4,5,6,7,8-octahydro-1,4,9,9-tetramethyl-, (1S,4R,7R)-	ug/kg	100				7955	-
	12-Hydroxyabieta-8,11,13-trien-7-one	ug/kg	100				-	777
PAH	Acenaphthene	mg/kg	0.05	30000	15000		<0.05	<0.05
	Acenaphthylene	mg/kg	0.03	30000	15000		0.37	0.22
	Anthracene	mg/kg	0.04	150000	74000		0.36	0.25
	Benz(a)anthracene	mg/kg	0.06	62	29		1.34	0.96
	Benzo(a) pyrene	mg/kg	0.04				1.66	1.12
	Benzo(b)fluoranthene	mg/kg	0.05	16	7.2		2.22	1.54
	Benzo(b)&(k)fluoranthene	mg/kg	0.07				3.08	2.14
	Benzo(g,h,i)perylene	mg/kg	0.04	1600	640		1.17	0.79
	Benzo(k)fluoranthene	mg/kg	0.02	440	190		0.86	0.6
	Chrysene	mg/kg	0.02	120	57		1.61	1.07
	Coronene	mg/kg	0.04				0.28	0.2
	Dibenz(a,h)anthracene	mg/kg	0.04	1.4	0.58		0.21	0.16
	Fluoranthene	mg/kg	0.03	6400	3100		2.68	1.83
	Fluorene	mg/kg	0.04	20000	9900		0.05	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	180	82		1.13	0.84
	Naphthalene	mg/kg	0.04	3000	4900		0.08	0.06
	Phenanthrene	mg/kg	0.03	6300	3100		0.85	0.65
	Pyrene	mg/kg	0.03	15000	7400		2.39	1.61
	PAH 16 Total	mg/kg	0.6				17	11.7
	PAH 17 Total	mg/kg	0.64				17.26	11.9
PCB (Dutch 7) congeners	PCB 28	ug/kg	5				<5	<5
	PCB 52	ug/kg	5				<5	<5
	PCB 101	ug/kg	5				<5	<5
	PCB 118	ug/kg	5				<5	<5
	PCB 138	ug/kg	5				<5	<5
	PCB 153	ug/kg	5				<5	<5
	PCB 180	ug/kg	5				<5	<5
	Total PCB 7 Congeners	ug/kg	35				<35	<35
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable				0.052	0.0393
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable				0.00345	0.000963
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable				0.294	0.263
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable				0.00708	0.00545
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable				0.56	0.548
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable				0.0146	0.014
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable				0.0137	0.00984
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable				0.0958	0.0919
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable				0.0227	0.0225
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable				0.0413	0.0413
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable				0.00245	0.00255
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable				0.0098	0.00929
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable				6.88	8.5
	12378-PeCDD	ng/kg	Variable				2.03	1.62
	123478-HxCDD	ng/kg	Variable				2.66	2.37
	123678-HxCDD	ng/kg	Variable				6.8	6.7
	123789 HxCDD	ng/kg	Variable				<0.649	4.46
	1234678-HpCDD	ng/kg	Variable				76.4	134
	OCDD	ng/kg	Variable				563	981
	TEQ(1) (NATO)	ng/kg	Variable				10.6	10.7
	TEQ(2) (NATO)	ng/kg	Variable				9.9	10.4
	OCDF	ng/kg	Variable				33.8	50.2
	2378-TCDD	ng/kg	Variable				<0.646	<0.288
	12378-PeCDF	ng/kg	Variable				5.98	3.67
	23478-PeCDF	ng/kg	Variable				6.84	6.25
	123478-HxCDF	ng/kg	Variable				6.53	5.96
	123678-HxCDF	ng/kg	Variable				6.21	1.41
	234678-HxCDF	ng/kg	Variable				5.62	5.48
	123789-HxCDF	ng/kg	Variable				<0.362	0.655
	1234678-HpCDF	ng/kg	Variable				31.4	38.4
	1234789-HpCDF	ng/kg	Variable				2.18	0.723
Brominated Dioxins and Furans	2378-TBDD	ng/kg	Variable				<0.64	<0.82
	12378-PBDD	ng/kg	Variable				<0.6	<0.79
	123478-HxBDD	ng/kg	Variable				<0.59	<0.79
	123678-HxBDD	ng/kg	Variable				<0.62	<0.84
	123789-HxBDD	ng/kg	Variable				<0.58	<0.78
	1234678-HpBDD	ng/kg	Variable				<0.63	<0.8
	OBDD	ng/kg	Variable				<0.8	<0.8
	2378-TBDF	ng/kg	Variable				2.29	2.48
	12378-PBDF	ng/kg	Variable				2.08	1.99
	23478-PBDF	ng/kg	Variable				1.14	1.03
	123478-HxBDF	ng/kg	Variable				<0.66	0.82
	123678-HxBDF	ng/kg	Variable				0.71	0.79
	234678-HxBDF	ng/kg	Variable				0.8	<0.75
	123789-HxBDF	ng/kg	Variable				<0.59	<0.82
	1234678-HpBDF	ng/kg	Variable				<0.55	<0.83
	1234789-HpBDF	ng/kg	Variable				<0.68	<0.74
	OBDF	ng/kg	Variable				<0.74	<0.85
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1				<0.1	<0.1
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.15				<0.15	<0.15
	Tris(2-ethylhexyl) phosphate	mg/kg	0.1				<0.1	<0.1

					Monitoring_Zone	44. West London Bowling Club	44. West London Bowling Club
					Location_Code	GTCS 1-39	GTCS 1-40
					Sample_Depth_Range	0-0.05	0-0.05
					Sampled_Date_Time	04/06/2019	04/06/2019
				GAC_HH_POS_PRK_SLOAM_>3.48%TOC	GAC_HH_POS_RES_SLOAM_>3.48%TOC		
Chem_Group	**ChemName**	**output unit**	**EQL**				
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1			<0.1	<0.1
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg	0.1			<0.1	<0.1
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1			<0.1	<0.1
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1			<0.1	<0.1
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1			<0.1	<0.1
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1			<0.1	<0.1
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1			<0.1	<0.1
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1			<0.1	<0.1
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1			<0.1	<0.1
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1			<0.1	<0.1
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1			<0.1	<0.1
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5			<0.5	<0.5
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5			<0.5	<0.5
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5			<0.5	<0.5
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5			<0.5	<0.5
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5			<0.5	<0.5
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5			<0.5	<0.5
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1			<0.1	<0.1
Isocyanates	Isocyanic Acid	ug/kg	250			<250	<250
	Methyl Isocyanate	ug/kg	250			<250	<250
	Ethyl Isocyanate	ug/kg	250			<250	<250
	Propyl Isocyanate	ug/kg	250			<250	<250
	Phenyl Isocyanate	ug/kg	250			<250	<250
	Hexamethylene diisocyanate	ug/kg	250			<250	<250
	2,4-Toluene Diisocyanate	ug/kg	250			<250	<250
	2,6-Toluenediisocyanate	ug/kg	250			<250	<250
	Isophorone Diisocyanate	ug/kg	500			<500	<500
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250			<250	<250
Cyanides	Cyanide (Free)	mg/kg	0.5			<0.5	<0.5
	Cyanide Total	mg/kg	0.5			0.8	0.9
	Thiocyanate	mg/kg	0.6			1.3	2.2
Asbestos	Asbestos Level	None				Asbestos level cannot be	No Asbestos Detected
	Asbestos Containing Material	None				ACM Debris	No Asbestos Detected
	Asbestos fibres	None				Fibre Bundles	No Asbestos Detected
	Asbestos Type	None				Chrysotile	No Asbestos Detected
	General Description (Bulk Analysis)	None				soil-stones	soil-stones
	Potentially Respirable Fibres per gram	None	0			0	-
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			<0.001	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			<0.001	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			<0.001	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			<0.001	-
	Asbestos Quantification - Total - %	mass %	0.001			<0.001	-
SVF / MMMF	Synthetic/MMMF	None				0	0
Total Organic Carbon	TOC	percent	0.02			6.38	7.05
Inorganics	pH (Lab)	pH units	0.01			7.43	7.37
Other	Natural Moisture Content	percent	0.1			16.1	16.7
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		21	10	1.66	1.12
	Xylene Total	ug/kg		31000000	43000000	0	0
	Trichlorobenzene (total)	ug/kg				0	0
AECOM Calculated	WHO TEQ	ng/kg				11.275	11.071
	Sum of PCDD/F +PCB12	ng/kg	Various			1893.71	2320.591
AECOM Calculated	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	1	0.12	0.11

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

Chem_Group	ChemName	output unit	EQL	GAC_HH_POS_RES_SLOAM_>3.48%TOC	GTCS 1-41	GTCS 1-42
				Monitoring_Zone	45. St. Quintins Roundabout	45. St. Quintins Roundabout
				Location_Code	GTCS 1-41	GTCS 1-42
				Sample_Depth_Range	0-0.05	0-0.05
				Sampled_Date_Time	04/06/2019	04/06/2019
VOC TIC	VOC TICs	None			<DL	<DL
Metals	Aluminium	mg/kg	50		16,920	19,870
	Arsenic	mg/kg	0.5	79	19.7	24.3
	Barium	mg/kg	1		258	266
	Beryllium	mg/kg	0.5	2.2	1.7	1.9
	Boron	mg/kg	0.1	21,000	2.5	2.4
	Cadmium	mg/kg	0.1	220	0.8	1
	Chromium (hexavalent)	mg/kg	0.3	21	<0.3	<0.3
	Chromium (III+VI)	mg/kg	0.5	1,500	106	101.7
	Copper	mg/kg	1	12,000	98	91
	Lead	mg/kg	5	630	552	517
	Mercury	mg/kg	0.1	120	1	0.9
	Nickel	mg/kg	0.7	230	28.9	33.8
	Selenium	mg/kg	1	1,100	2	3
	Vanadium	mg/kg	1	2,000	70	80
	Zinc	mg/kg	5	81,000	347	365
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5	1,400,000	<5	<5
	1,1,1-trichloroethane	ug/kg	5	140,000,000	<5	<5
	1,1,2,2-tetrachloroethane	ug/kg	3	1,400,000	<3	<3
	1,1,2-trichloroethane	ug/kg	4		<4	<4
	1,1-dichloroethane	ug/kg	6		<6	<6
	1,1-dichloroethene	ug/kg	6		<6	<6
	1,1-dichloropropene	ug/kg	3		<3	<3
	1,2,3-trichlorobenzene	ug/kg	7	1,800,000	<7	<7
	1,2,3-trichloropropane	ug/kg	4		<4	<4
	1,2,4-trimethylbenzene	ug/kg	6		<6	<6
	1,2-dibromo-3-chloropropane	ug/kg	4		<4	<4
	1,2-dibromoethane	ug/kg	3		<3	<3
	1,2-dichloroethane	ug/kg	5	29,000	<5	<5
	1,2-dichloropropane	ug/kg	4		<4	<4
	1,3,5-trimethylbenzene	ug/kg	3		<3	<3
	1,3-dichloropropane	ug/kg	4		<4	<4
	2,2-dichloropropane	ug/kg	4		<4	<4
	2-chlorotoluene	ug/kg	3		<3	<3
	4-chlorotoluene	ug/kg	3		<3	<3
	Benzene	ug/kg	5	140,000	<5	<5
	Bromobenzene	ug/kg	2		<2	<2
	Bromochloromethane	ug/kg	4		<4	<4
	Bromodichloromethane	ug/kg	4		<4	<4
	Bromoform	ug/kg	4		<4	<4
	Bromomethane	ug/kg	1		<1	<1
	Carbon tetrachloride	ug/kg	4	950,000	<4	<4
	Chlorobenzene	ug/kg	4	14,000,000	<4	<4
	Chlorodibromomethane	ug/kg	5		<5	<5
	Chloroethane	ug/kg	6		<6	<6
	Chloroform	ug/kg	5	2,500,000	<5	<5
	Chloromethane	ug/kg	3		27	7
	cis-1,2-dichloroethene	ug/kg	7		<7	<7
	cis-1,3-dichloropropene	ug/kg	4		<4	<4
	Dibromomethane	ug/kg	4		<4	<4
	Dichlorodifluoromethane	ug/kg	2		<2	<2
	Dichloromethane	ug/kg	30		<30	<30
	Ethylbenzene	ug/kg	3	25,000,000	<3	<3
	Isopropylbenzene	ug/kg	3		<3	<3
	MTBE	ug/kg	6		<6	<6
	n-butylbenzene	ug/kg	4		<4	<4
	n-propylbenzene	ug/kg	4		<4	<4
	sec-butylbenzene	ug/kg	4		<4	<4
	Styrene	ug/kg	3		<3	<3
	tert-butylbenzene	ug/kg	5		<5	<5
	Tetrachloroethene	ug/kg	3	1,400,000	<3	<3
	Toluene	ug/kg	3	56,000,000	<3	<3
	trans-1,2-dichloroethene	ug/kg	3		<3	<3
	trans-1,3-dichloropropene	ug/kg	3		<3	<3
	Trichloroethene	ug/kg	5	120,000	<5	<5
	Trichlorofluoromethane	ug/kg	3		<3	<3
	Xylene (m & p)	ug/kg	4		<4	<4
	Xylene (o)	ug/kg	4	43,000,000	<4	<4
	Vinyl chloride	ug/kg	2	3,500	<2	<2
	Carbon disulfide	mg/kg	0.003	11,000	<0.003	<0.003
SVOCs	2-methylnaphthalene	ug/kg	10		104	107
	4-bromophenyl phenyl ether	ug/kg	10		<10	<10
	4-chlorophenyl phenyl ether	ug/kg	10		<10	<10
	Azobenzene	ug/kg	10		<10	<10
	Bis(2-chloroethoxy) methane	ug/kg	10		<10	<10
	Bis(2-chloroethyl)ether	ug/kg	10		<10	<10
	Carbazole	ug/kg	10		362	366
	Dibenzofuran	ug/kg	10		98	67
	Hexachlorobutadiene	ug/kg	4	25,000	<4	<4
	Hexachlorocyclopentadiene	ug/kg	10		<10	<10
	Hexachloroethane	ug/kg	10		<10	<10
SVOC - Anilines	2-nitroaniline	ug/kg	10		<10	<10
	3-nitroaniline	ug/kg	10		<10	<10
	4-chloroaniline	ug/kg	10		<10	<10
	4-nitroaniline	ug/kg	10		<10	<10
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		<10	<10
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		<10	<10
	2,6-dinitrotoluene	ug/kg	10		<10	<10
	Nitrobenzene	ug/kg	10		<10	<10
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		24	20
	2-chloronaphthalene	ug/kg	10		<10	<10
	2-methylphenol	ug/kg	10		<10	<10
	2-nitrophenol	ug/kg	10		<10	<10
	4-chloro-3-methylphenol	ug/kg	10		<10	<10
	4-methylphenol	ug/kg	10		<10	<10
	4-nitrophenol	ug/kg	10		<10	<10
	Phenol	ug/kg	10	1,300,000	<10	<10
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		<10	<10
	2,4,6-trichlorophenol	ug/kg	10		<10	<10
	2,4-dichlorophenol	ug/kg	10		<10	<10
	2-chlorophenol	ug/kg	10		<10	<10
	Pentachlorophenol	ug/kg	10	60,000	<10	<10
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7	19,000,000	<7	<7
	1,2-dichlorobenzene	ug/kg	4	98,000,000	<4	<4
	1,3-dichlorobenzene	ug/kg	4	300,000	<4	<4
	1,4-dichlorobenzene	ug/kg	4	17,000,000	<4	<4
	Hexachlorobenzene	ug/kg	10	16,000	<10	<10
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		637	924
	Butyl benzyl phthalate	ug/kg	100		<100	<100
	Diethylphthalate	ug/kg	100		<100	<100
	Dimethyl phthalate	ug/kg	100		<100	<100
	Di-n-butyl phthalate	ug/kg	100		<100	152
	Di-n-octyl phthalate	ug/kg	100		<100	<100
SVOC - Solvents	Isophorone	ug/kg	10		<10	<10
SVOC TIC	11H-Benzo[a]carbazole	ug/kg	100		527	-
	11H-Benzo[a]fluoren-11-one	ug/kg	100		-	755
	11H-Benzo[a]fluorene	ug/kg	100		1129	-
	11H-Benzo[b]fluorene	ug/kg	100		410	1078
	4,4-Bis(tetrahydrothiopyran)	ug/kg	100		575	229
	9,10-Anthracenedione	ug/kg	100		215	-
	Anthracene, 1-methyl-	ug/kg	100		-	279
	Benz[a]anthracene, 7-methyl-	ug/kg	100		786	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100		1102	765
	Benzo[b]naphtho[2,3-d]furan	ug/kg	100		286	396
	Benzo(e)pyrene	ug/kg	100		2453	2286
	Chrysene, 1-methyl-	ug/kg	100		437	738
	Chrysene, 5-methyl-	ug/kg	100		-	460
	Cyclopenta(cd)pyrene, 3,4-dihydro-	ug/kg	100		-	548
	Diphenyl sulfide	ug/kg	100		300	204
	Indole, 5-methyl-2-(4-pyridyl)-	ug/kg	100		-	238
	Isocil	ug/kg	100		296	-
	Naphthalene, 2-phenyl-	ug/kg	100		284	-
	p-Cymene	ug/kg	4		<4	<4
	Phenanthrene, 1-methyl-	ug/kg	100		507	381
	Phenanthrene, 2-methyl-	ug/kg	100		428	482
	Pyrene, 1-methyl-	ug/kg	100		458	483
	Pyrene, 2-methyl-	ug/kg	100		-	395
	3,5,6-Trimethyl-p-quinone, 2-(2,5-dioxotetrahydrofuran-3-yl)thio-	ug/kg	100		2141	2128
PAH	Acenaphthene	mg/kg	0.05	15,000	0.12	0.11
	Acenaphthylene	mg/kg	0.03	15,000	1.14	0.73
	Anthracene	mg/kg	0.04	74,000	1.15	0.81
	Benz(a)anthracene	mg/kg	0.06	29	4	3.06
	Benzo(a) pyrene	mg/kg	0.04		5.11	3.8
	Benzo(b)fluoranthene	mg/kg	0.05	7.2	7.02	5.23
	Benzo(b)&(k)fluoranthene	mg/kg	0.07		9.75	7.26
	Benzo(g,h,i)perylene	mg/kg	0.04	640	3.99	3
	Benzo(k)fluoranthene	mg/kg	0.02	190	2.73	2.03
	Chrysene	mg/kg	0.02	57	4.51	3.59
	Coronene	mg/kg	0.04		1.04	0.72
	Dibenz(a,h)anthracene	mg/kg	0.04	0.58	1	0.56
	Fluoranthene	mg/kg	0.03	3,100	7.35	6.09
	Fluorene	mg/kg	0.04	9,900	0.17	0.12
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04	82	3.93	2.86
	Naphthalene	mg/kg	0.04	4,900	0.23	0.16
	Phenanthrene	mg/kg	0.03	3,100	2.44	2.1
	Pyrene	mg/kg	0.03	7,400	6.31	5.35
	PAH 16 Total	mg/kg	0.6		51.2	39.6
	PAH 17 Total	mg/kg	0.64		52.24	40.32
	PAH 4 SUM Lower	mg/kg			-	-
	PAH 4 SUM Upper	mg/kg			-	-
	Benzo(j)fluoranthene	mg/kg			-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5		<5	<5
	PCB 52	ug/kg	5		<5	<5
	PCB 101	ug/kg	5		<5	<5
	PCB 118	ug/kg	5		<5	<5
	PCB 138	ug/kg	5		<5	<5
	PCB 153	ug/kg	5		<5	<5
	PCB 180	ug/kg	5		<5	<5
	Total PCB 7 Congeners	ug/kg	35		<35	<35
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	Variable		0.0697	0.0752
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	Variable		0.00231	0.00202
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	Variable		0.447	0.486
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	Variable		0.00665	0.00593
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	Variable		0.915	1.03
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	Variable		0.036	0.0441
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	Variable		0.0138	0.0171
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	Variable		0.197	0.233
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	Variable		0.0456	0.0527
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	Variable		0.0833	0.0957
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	Variable		0.00236	<0.000289
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	Variable		0.0215	0.0261
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg	Variable		11.8	10.9
	12378-PeCDD	ng/kg	0.746		<0.746	<0.852
	123478-HxCDD	ng/kg	Variable		3.12	2.97
	123678-HxCDD	ng/kg	Variable		8.41	7.03
	123789 HxCDD	ng/kg	Variable		6.35	4.05
	1234678-HpCDD	ng/kg	Variable		84.8	72.4
	OCDD	ng/kg	Variable		397	362
	TEQ(1) (NATO)	ng/kg	Variable		16	13.1
	TEQ(2) (NATO)	ng/kg	Variable		14.9	12
	OCDF	ng/kg	Variable		62	70.6
	2378-TCDD	ng/kg	0.587		<0.644	<0.587
	12378-PeCDF	ng/kg	Variable		6.87	1.65
	23478-PeCDF	ng/kg	Variable		13	9.45
	123478-HxCDF	ng/kg	Variable		11.9	9.19
	123678-HxCDF	ng/kg	Variable		9.9	8.85
	234678-HxCDF	ng/kg	Variable		10.4	9.24
	123789-HxCDF	ng/kg	0.378		<0.378	<0.545
	1234678-HpCDF	ng/kg	Variable		55.6	80.8
	1234789-HpCDF	ng/kg	Variable		3.08	2.54
Brominated Dioxins and Furans	2378-TBDD	ng/kg	0.47		<0.47	<0.49
	12378-PBDD	ng/kg	0.47		<0.5	<0.47
	123478-HxBDD	ng/kg	0.5		<0.55	<0.5
	123678-HxBDD	ng/kg	0.48		<0.49	<0.48
	123789-HxBDD	ng/kg	0.47		<0.51	<0.47
	1234678-HpBDD	ng/kg	Variable		0.88	0.58
	OBDD	ng/kg	0.8		<0.8	<0.8
	2378-TBDF	ng/kg	Variable		5.92	5.03
	12378-PBDF	ng/kg	Variable		3.29	2.87
	23478-PBDF	ng/kg	Variable		2.01	1.7
	123478-HxBDF	ng/kg	Variable		1.48	1.44
	123678-HxBDF	ng/kg	Variable		1.49	1.39
	234678-HxBDF	ng/kg	Variable		0.77	0.46
	123789-HxBDF	ng/kg	Variable		<0.5	0.41
	1234678-HpBDF	ng/kg	0.4		<0.41	<0.4
	1234789-HpBDF	ng/kg	0.42		<0.48	<0.42
	OBDF	ng/kg	0.53		<0.55	<0.53
Organophosphorous flame retardants	Triphenylphosphate	mg/kg	0.1		<0.1	<0.1
	Tris(1-chloro-2-propyl)phosphate	mg/kg	0.15		<0.5	<0.15
	Tris(2-ethylhexyl) phosphate	mg/kg	0.1		<0.1	<0.1
Brominated flame retardants (PBDEs)	2,2",4-tribromodiphenyl ether (BDE-17)	mg/kg	0.1		<0.1	<0.1
	2,4,4"-tribromodiphenyl ether (BDE-28)	mg/kg	0.1		<0.1	<0.1
	2,2",4,4"-tetrabromodiphenyl ether (BDE-47)	mg/kg	0.1		<0.1	<0.1
	2,3",4,4"-tetrabromodiphenyl ether (BDE-66)	mg/kg	0.1		<0.1	<0.1
	2,2",3,4,4"-pentabromodiphenyl ether (BDE-85)	mg/kg	0.1		<0.1	<0.1
	2,2",4,4",5-pentabromodiphenyl ether (BDE-99)	mg/kg	0.1		<0.1	<0.1
	2,2",4,4",6-pentabromodiphenyl ether (BDE-100)	mg/kg	0.1		<0.1	<0.1
	2,2",3,4,4",5"-hexabromodiphenyl ether(BDE-138)	mg/kg	0.1		<0.1	<0.1
	2,2",4,4",5,5"-hexabromodiphenyl ether(BDE-153)	mg/kg	0.1		<0.1	<0.1
	2,2",4,4",5,6"-hexabromodiphenyl ether(BDE-154)	mg/kg	0.1		<0.1	<0.1
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg	0.1		<0.1	<0.1
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg	0.5		<0.5	<0.5
	4,4-dibromobiphenyl (PBB 15)	mg/kg	0.5		<0.5	<0.5
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg	0.5		<0.5	<0.5
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg	0.5		<0.5	<0.5
	Hexabromobiphenyl (PBB 153)	mg/kg	0.5		<0.5	<0.5
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg	0.5		<0.5	<0.5
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg	0.1		<0.1	<0.1
Isocyanates	Isocyanic Acid	ug/kg	250		<250	<250
	Methyl Isocyanate	ug/kg	250		<250	<250
	Ethyl Isocyanate	ug/kg	250		<250	<250
	Propyl Isocyanate	ug/kg	250		<250	<250
	Phenyl Isocyanate	ug/kg	250		<250	<250
	Hexamethylene diisocyanate	ug/kg	250		<250	<250
	2,4-Toluene Diisocyanate	ug/kg	250		<250	<250
	2,6-Toluenediisocyanate	ug/kg	250		<250	<250
	Isophorone Diisocyanate	ug/kg	500		<500	<500
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		<250	<250
Cyanides	Cyanide (Free)	mg/kg	0.5		<0.5	<0.5
	Cyanide Total	mg/kg	0.5		1	<0.5
	Thiocyanate	mg/kg	0.6		2.5	1.6
Asbestos	Asbestos Level	None			No Asbestos Detected	No Asbestos Detected
	Asbestos Containing Material	None			No Asbestos Detected	No Asbestos Detected
	Asbestos fibres	None			No Asbestos Detected	No Asbestos Detected
	Asbestos Type	None			No Asbestos Detected	No Asbestos Detected
	General Description (Bulk Analysis)	None			soil.stones	soil.stones
SVF / MMMF	Synthetic/MMMF	None			0	0
Total Organic Carbon	TOC	percent	0.02		7.01	6.51
Inorganics	pH (Lab)	pH units	0.01		6.59	6.85
Other	Natural Moisture Content	percent	0.1		19.5	17.3
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg		10	5.11	3.8
	Xylene Total	ug/kg		43,000,000	0	0
	Trichlorobenzene (total)	ug/kg			0	0
AECOM Calculated	WHO TEQ	ng/kg			15.053	13.046
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Various		2555.35	2744.62
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	1	0.15	0.13

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

Appendix J – Table J46: GQRA Data Screening Table – All Stage 1 and Stage 2 Data

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				Monitoring_Zone	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	10. Golborne and Wasilla Children's Centre Forest School	10. Golborne and Wasilla Children's Centre Forest School	10. Golborne and Wasilla Children's Centre Forest School	10. Golborne and Wasilla Children's Centre Forest School	10. Golborne and Wasilla Children's Centre Forest School	10. Golborne and Wasilla Children's Centre Forest School	10. Golborne and Wasilla Children's Centre Forest School	10. Golborne and Wasilla Children's Centre Forest School	10. Golborne and Wasilla Children's Centre Forest School	10. Golborne and Wasilla Children's Centre Forest School	11. Grenfell Creche Under 3s Centre	11. Grenfell Creche Under 3s Centre	11. Grenfell Creche Under 3s Centre	11. Grenfell Creche Under 3s Centre	11. Grenfell Creche Under 3s Centre	11. Grenfell Creche Under 3s Centre	11. Grenfell Creche Under 3s Centre	11. Grenfell Creche Under 3s Centre	11. Grenfell Creche Under 3s Centre	11. Grenfell Creche Under 3s Centre	11. Grenfell Creche Under 3s Centre	12. New Studio pre school	12. New Studio pre school	12. New Studio pre school	12. New Studio pre school	12. New Studio pre school	12. New Studio pre school	12. New Studio pre school	12. New Studio pre school	12. New Studio pre school	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre
				Location_Code	GT12-0001A	GT12-0002A	GT12-0003A	GT12-0004A	GT12-0005A	GT12-0006A	GT12-0007A	GT12-0008A	GT12-0009A	GT12-0010A	GT12-0011A	GT12-0012A	GT12-0013A	GT12-0014A	GT12-0015A	GT12-0016A	GT12-0017A	GT12-0018A	GT12-0019A	GT12-0020A	GT12-0021A	GT12-0022A	GT12-0023A	GT12-0024A	GT12-0025A	GT12-0026A	GT12-0027A	GT12-0028A	GT12-0029A	GT12-0030A	GT12-0031A	GT12-0032A	GT12-0033A	GT12-0034A	GT12-0035A	GT12-0036A	GT12-0037A	GT12-0038A	GT12-0039A	GT12-0040A	GT12-0041A	GT12-0042A	GT12-0043A	GT12-0044A	GT12-0045A	GT12-0046A	GT12-0047A	GT12-0048A	GT12-0049A
				Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.05	0-0.02	0-0.02	0-0.02	0-0.05	0-0.02	0-0.02	0-0.02

					Monitoring_Zone	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy	1. Latimer Alternative Provision Academy
					Location_Code	GTCS2-S001A	GTCS2-S002A	GTCS2-S003A	GTCS2-S004A	GTCS2-S005A	GTCS2-S006A	GTCS2-S007A	GTCS2-S008A	GTCS2-S009A	GTCS2-S010A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.05	0-0.02	0-0.02	0-0.02	0-0.05	0-0.02
					Sampled_Date_Time	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020
				GAC_HH_EN/IE/NI/WA_C4SL_RESI+HP_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC										
Chem_Group	ChemName	output unit	EQL												
	2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	mg/kg				-	-	-	-	-	-	-	-	-	-
	2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	mg/kg				-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	mg/kg			13	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	mg/kg				-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg				-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg				-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg				-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg				-	-	-	-	-	-	-	-	-	-
	2,2",4,5"-Tetrabromobiphenyl (PBB 49)	µg/kg				-	-	-	-	-	-	-	-	-	-
	2,2",5,5"-Tetrabromobiphenyl (PBB 52)	µg/kg				-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg				-	-	-	-	-	-	-	-	-	-
	2,2",4,5,5"-Pentabromobiphenyl (PBB 101)	µg/kg				-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg				-	-	-	-	-	-	-	-	-	-
	Perbromobiphenyl (PBB 209)	µg/kg				-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg				-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg				-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Containing Material (2)	None				-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material (3)	None				-	-	-	-	-	-	-	-	-	-
	Asbestos fibres	None				-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Fibres (3)	None				-	-	-	-	-	-	-	-	-	-
	Asbestos Type	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Type 2	None				-	-	-	-	-	-	-	-	-	-
	Asbestos Type 3	None				-	-	-	-	-	-	-	-	-	-
	General Description (Bulk Analysis)	None				soil.stones	Soil/Stone	Soil/Stone	Soil/Stones	soil.stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone
	Potentially Respirable Fibres per gram	None	0			-	-	-	-	-	-	-	-	-	-
	Asbestos Level Screen	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	-	-	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	-	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	-	-	-	-	-	-	-
SVF / MMMF	Synthetic/MMMF	None				-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			3.73	3.72	-	-	-	6.02	-	-	-	-
Inorganics	pH (Lab)	pH units	0.01			-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			26.9	26	44	42.6	16.2	42.5	41.9	31.4	73.4	35.8
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg			5	0.79	0.62	1.83	1.64	1	1.23	0.3	1.96	0.38	1.6
	Xylene Total	ug/kg			310000	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				-	-	-	-	-	-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Vario		8,700	1064.91	-	-	-	-	1384.037	-	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	0.03	-	-	-	-	0.04	-	-	-	-

Monitoring_Zone	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	10. Golborne and Maxilla Children's Centre Forest School	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery	11. Grenfell Creche Under 3s Centre | Grenfell Nursery
Location_Code	GTCS2-S091A	GTCS2-S092A	GTCS2-S093A	GTCS2-S094A	GTCS2-S095A	GTCS2-S096A	GTCS2-S097A	GTCS2-S098A	GTCS2-S099A	GTCS2-S100A	GTCS2-S101A	GTCS2-S102A	GTCS2-S103A	GTCS2-S104A	GTCS2-S105A	GTCS2-S106A	GTCS2-S107A	GTCS2-S108A	GTCS2-S109A	GTCS2-S110A
Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
Sampled_Date_Time	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	22/10/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020	06/11/2020
2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-dibromobiphenyl (PBB 4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-dibromobiphenyl (PBB 15)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,5-tribromobiphenyl (PBB 18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2",4,5"-Tetrabromobiphenyl (PBB 49)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2",5,5"-Tetrabromobiphenyl (PBB 52)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobiphenyl (3,3,5,5-) (PBB 80)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2",4,5,5"-Pentabromobiphenyl (PBB 101)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromobiphenyl (PBB 153)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perbromobiphenyl (PBB 209)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobisphenol A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocy clododecane (HBCDD)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexamethylene diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Toluene Diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Toluenediisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone Diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-Methylene-bis(phenyl-isocyanate)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thiocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Containing Material (2)	-	-	-	-	-	-	-	-	-	-	-	-	No Asbestos	No Asbestos	-	-	-	-	-	-
Asbestos Containing Material (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos fibres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Fibres (2)	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Fibre Bundles	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Fibre Bundles	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Fibres (3)	-	-	-	-	-	-	-	-	-	-	-	-	No Asbestos	No Asbestos	-	-	-	-	-	-
Asbestos Type	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Chrysotile	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Chrysotile	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Type 2	-	-	-	-	-	-	-	-	-	-	-	-	No Asbestos	No Asbestos	-	-	-	-	-	-
Asbestos Type 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Description (Bulk Analysis)	Soil/Stones	Soil/Stones	soil.stones	soil.stones	Soil/Stone	soil.stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	Soil/Stone	soil.stones	Soil/Stone	Soil/Stone	soil.stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone
Potentially Respirable Fibres per gram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level Screen	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	less than 0.1%	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	less than 0.1%	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Gravimetric & PCOM Total	-	-	-	-	-	<0.001	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	-	-	-	-	-	<0.001	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-
Total ACM Gravimetric Quantification (% Asb)	-	-	-	-	-	<0.001	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-
Total Detailed Gravimetric Quantification (% Asb)	-	-	-	-	-	<0.001	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-
Asbestos Quantification - Total - %	-	-	-	-	-	<0.001	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-
Synthetic/MMMF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOC	3.01	-	-	-	9	-	-	-	-	5.1	7.98	5.96	-	-	-	4.51	-	-	-	-
pH (Lab)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural Moisture Content	25.3	71	39.3	36.8	65.9	24	30.5	50.5	53.9	43.4	40.9	29.7	27.7	28.6	30.6	34.8	31.7	58.8	38.3	45
Benzo(a)pyrene (surrogate marker for PAH mixture)	0.3	1.35	0.2	1.18	0.85	1.61	0.3	0.32	0.2	0.29	0.62	0.3	0.31	0.27	0.21	0.85	0.12	0.83	0.91	0.74
Xylene Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHO TEQ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PCDD/F +PCB12	-	-	-	-	5195.943	-	-	-	-	6732.83	11,804	-	-	-	-	7345.68	-	-	-	-
PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	-	-	0.10	-	-	-	-	0.13	0.22	-	-	-	-	0.12	-	-	-	-

Monitoring_Zone	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	12. New Studio pre-school	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre	13. St Quintin Children and Family centre
Location_Code	GTCS2-S111A	GTCS2-S112A	GTCS2-S113A	GTCS2-S114A	GTCS2-S115A	GTCS2-S116A	GTCS2-S117A	GTCS2-S118A	GTCS2-S119A	GTCS2-S120A	GTCS2-S121A	GTCS2-S122A	GTCS2-S123A	GTCS2-S124A	GTCS2-S125A	GTCS2-S126A	GTCS2-S127A	GTCS2-S128A	GTCS2-S129A
Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
Sampled_Date_Time	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020
2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-dibromobiphenyl (PBB 4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-dibromobiphenyl (PBB 15)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,5-tribromobiphenyl (PBB 18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2",4,5"-Tetrabromobiphenyl (PBB 49)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2",5,5"-Tetrabromobiphenyl (PBB 52)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobiphenyl (3,3,5,5-) (PBB 80)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2",4,5,5"-Pentabromobiphenyl (PBB 101)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromobiphenyl (PBB 153)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perbromobiphenyl (PBB 209)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobisphenol A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocy clododecane (HBCDD)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexamethylene diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Toluene Diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Toluenediisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone Diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-Methylene-bis(phenyl-isocyanate)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thiocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Containing Material (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos fibres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Fibres (2)	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Fibres (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Type 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Description (Bulk Analysis)	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	soil.stones
Potentially Respirable Fibres per gram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level Screen	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Gravimetric & PCOM Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total ACM Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Detailed Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Quantification - Total - %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synthetic/MMMF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOC	-	11.07	5.75	-	-	-	13.44	-	-	-	-	-	5.6	3.57	-	-	-	3.04	-
pH (Lab)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural Moisture Content	82.2	84.9	43.6	56.1	62.4	75.3	58	56.4	49.9	58.8	18.9	44.9	34	29.4	26.7	31.1	23.4	35.5	18.2
Benzo(a)pyrene (surrogate marker for PAH mixture)	2.59	0.37	2.64	1.26	2.32	2.59	1.03	3.5	2.17	1.6	0.14	1.12	1.49	0.06	0.14	0	0	0.34	1.19
Xylene Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHO TEQ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PCDD/F +PCB12	-	1169.353	-	-	-	-	1875.872	-	-	-	-	-	2132.547	-	-	-	-	709.655	-
PCDD/F+PBDD/F+PCB12 Hazard Index	-	0.04	-	-	-	-	0.09	-	-	-	-	-	0.05	-	-	-	-	0.03	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

| | | | | | Monitoring_Zone | 13. Sir Quintin Children and Family centre | 14. Longstone Avenue allotments | 14. Longstone Avenue allotments | 14. Longstone Avenue allotments

| | Monitoring_Zone | 13. St Quintin Children and Family centre | 14. Longstone Avenue allotments | 14. Longstone Avenue allotments | 14. Longstone Avenue allotments

Chem_Group	ChemName	output unit	EQL	GAC_HH_EN/IE/NI/WA_C4SL_RESI+HP_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC	GTCS2-S130A	GTCS2-P007_SOIL	GTCS2-P008_SOIL	GTCS2-P009_SOIL	GTCS2-P010_SOIL	GTCS2-P011_SOIL	GTCS2-P012_SOIL	GTCS2-P012_SOIL (retest)	GTCS2-S131A	GTCS2-S132A	GTCS2-S132A	GTCS2-S132A
	Monitoring_Zone					13. St Quintin Children and Family centre	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments
	Sample_Depth_Range					0-0.05	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0-0.2	0-0.05	0-0.2	0.5-0.6
	Sampled_Date_Time					10/11/2020	30/09/2020	30/09/2020	30/09/2020	30/09/2020	30/09/2020	30/09/2020	30/09/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020
	2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	mg/kg				-	-	-	-	-	-	-		<0.1	-	-	-
	2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	mg/kg				-	-	-	-	-	-	-		<0.1	-	-	-
	2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	mg/kg			13	-	-	-	-	-	-	-		<0.1	-	-	-
	2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	mg/kg				-	-	-	-	-	-	-		<0.1	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg				-	-	-	-	-	-	-		<0.1	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg				-	-	-	-	-	-	-		-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg				-	-	-	-	-	-	-		0.000013	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg				-	-	-	-	-	-	-		-	-	-	-
	2,2',4,5'-Tetrabromobiphenyl (PBB 49)	µg/kg				-	-	-	-	-	-	-		<0.002	-	-	-
	2,2',5,5'-Tetrabromobiphenyl (PBB 52)	µg/kg				-	-	-	-	-	-	-		<0.002	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg				-	-	-	-	-	-	-		<0.000002	-	-	-
	2,2',4,5,5'-Pentabromobiphenyl (PBB 101)	µg/kg				-	-	-	-	-	-	-		<0.003	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg				-	-	-	-	-	-	-		0.000004	-	-	-
	Perbromobiphenyl (PBB 209)	µg/kg				-	-	-	-	-	-	-		<0.119	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg				-	-	-	-	-	-	-		<0.5	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg				-	-	-	-	-	-	-		<0.1	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			-	-	-	-	-	-	-		<250	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	-	-	-	-	-	-	-		<250	-	-	-
	Ethyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-		<250	-	-	-
	Propyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-		<250	-	-	-
	Phenyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-		<250	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	-	-	-	-	-	-	-		<250	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	-	-	-	-	-	-	-		<250	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	-	-	-	-	-	-	-		<250	-	-	-
	Isophorone Diisocyanate	ug/kg	500			-	-	-	-	-	-	-		<500	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	-	-	-	-	-	-	-		<250	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	-	-	-	-	-	-	-		<0.5	-	-	-
	Cyanide Total	mg/kg	0.5		23	-	-	-	-	-	-	-		<0.5	-	-	-
	Thiocyanate	mg/kg	0.6		20	-	-	-	-	-	-	-		1	-	-	-
Asbestos	Asbestos Level	None				-	-	-	-	-	-	-		-	-	-	-
	Asbestos Containing Material	None				No Asbestos	-	-	-	-	-	-		No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Containing Material (2)	None				-	-	-	-	-	-	-		-	-	-	-
	Asbestos Containing Material (3)	None				-	-	-	-	-	-	-		-	-	-	-
	Asbestos fibres	None				-	-	-	-	-	-	-		-	-	-	-
	Asbestos Fibres (2)	None				No Asbestos	-	-	-	-	-	-		No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Fibres (3)	None				-	-	-	-	-	-	-		-	-	-	-
	Asbestos Type	None				No Asbestos	-	-	-	-	-	-		No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Type 2	None				-	-	-	-	-	-	-		-	-	-	-
	Asbestos Type 3	None				-	-	-	-	-	-	-		-	-	-	-
	General Description (Bulk Analysis)	None				Soil/Stones	-	-	-	-	-	-		Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones
	Potentially Respirable Fibres per gram	None	0			-	-	-	-	-	-	-		-	-	-	-
	Asbestos Level Screen	None				No Asbestos	-	-	-	-	-	-		No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	-	-	-	-		-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	-	-	-	-		-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	-		-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	-		-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	-	-	-	-		-	-	-	-
SVF / MMMF	Synthetic/MMMF	None				-	-	-	-	-	-	-		-	-	-	-
Total Organic Carbon	TOC	percent	0.02			-	-	-	-	-	-	-		6.14	-	-	-
Inorganics	pH (Lab)	pH units	0.01			-	-	-	-	-	-	-		-	-	-	-
Other	Natural Moisture Content	percent	0.1			25.6	-	-	-	-	-	-		45.3	34.6	36.1	35.5
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg			5	0	3.26	3.3	1.49	2.11	1.43	0.97		3.52	2.11	1.93	1.26
	Xylene Total	ug/kg			310000	-	-	-	-	-	-	-		0	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	-	-	-	-	-	-	-		0	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				-	-	-	-	-	-	-		-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Vario		8,700	-	-	-	-	-	-	-	-	2553.73	-	-	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	-	-	-	-	-	-	0.08	-	-	-

ChemName	GTCS2-S133A	GTCS2-S134A	GTCS2-S134A	GTCS2-S134A	GTCS2-S135A	GTCS2-S136A	GTCS2-S136A	GTCS2-S136A	GTCS2-S137A	GTCS2-S138A	GTCS2-S138A	GTCS2-S138A	GTCS2-S139A	GTCS2-S140A	GTCS2-S140A	GTCS2-S140A
Monitoring_Zone	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments	14. Longstone Avenue allotments
Sample_Depth_Range	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.02	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.5
Sampled_Date_Time	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020	17/11/2020
2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
2,2-dibromobiphenyl (PBB 4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-dibromobiphenyl (PBB 15)	0.000062	-	-	-	0.000062	-	-	-	0.000049	-	-	-	-	0.000102	0.000031	0.000018
2,2,5-tribromobiphenyl (PBB 18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,5'-Tetrabromobiphenyl (PBB 49)	<0.002	-	-	-	<0.002	-	-	-	<0.002	-	-	-	-	<0.002	<0.002	<0.002
2,2',5,5'-Tetrabromobiphenyl (PBB 52)	<0.002	-	-	-	<0.002	-	-	-	<0.002	-	-	-	-	<0.002	<0.002	<0.002
tetrabromobiphenyl (3,3,5,5-) (PBB 80)	<0.000002	-	-	-	<0.000002	-	-	-	<0.000002	-	-	-	-	<0.000002	<0.000002	<0.000002
2,2',4,5,5'-Pentabromobiphenyl (PBB 101)	<0.002	-	-	-	<0.002	-	-	-	<0.002	-	-	-	-	<0.006	<0.002	<0.002
Hexabromobiphenyl (PBB 153)	<0.000003	-	-	-	<0.000003	-	-	-	0.000009	-	-	-	-	<0.000004	<0.000008	<0.000002
Perbromobiphenyl (PBB 209)	<DL	-	-	-	<0.116	-	-	-	<0.12	-	-	-	-	0.133	0.148	<0.049
tetrabromobisphenol A	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	-	<0.5	<0.5	<0.5
Hexabromocy clododecane (HBCDD)	<0.1	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	<0.1	<0.1	<0.1
Isocyanic Acid	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
Methyl Isocyanate	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
Ethyl Isocyanate	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
Propyl Isocyanate	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
Phenyl Isocyanate	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
Hexamethylene diisocyanate	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
2,4-Toluene Diisocyanate	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
2,6-Toluenediisocyanate	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
Isophorone Diisocyanate	<500	-	-	-	<500	-	-	-	<500	-	-	-	-	<500	<500	<500
4,4-Methylene-bis(phenyl-isocyanate)	<250	-	-	-	<250	-	-	-	<250	-	-	-	-	<250	<250	<250
Cyanide (Free)	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	-	<0.5	<0.5	<0.5
Cyanide Total	<0.5	-	-	-	<0.5	-	-	-	<0.5	-	-	-	-	<0.5	<0.5	<0.5
Thiocyanate	<0.6	-	-	-	<0.6	-	-	-	<0.6	-	-	-	-	<0.6	<0.6	<0.6
Asbestos Level	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Containing Material (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos fibres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Fibres (2)	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Fibres (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Type 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Description (Bulk Analysis)	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
Potentially Respirable Fibres per gram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level Screen	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Gravimetric & PCOM Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total ACM Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Detailed Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Quantification - Total - %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synthetic/MMMF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOC	5.66	-	-	-	6.51	-	-	-	3.55	4.52	4.57	3.13	-	5.23	5.66	2.11
pH (Lab)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural Moisture Content	34.7	42.3	39.3	37.9	42.5	26.4	31.6	28.8	30.9	16.5	29.3	40.7	38.5	32.8	36	37
Benzo(a)pyrene (surrogate marker for PAH mixture)	7.7	6.45	6.94	0.54	3.04	11.52	12.13	0.46	1.94	3.76	5.7	6.73	1.48	1.79	2.08	0.1
Xylene Total	0	-	-	-	0	-	-	-	0	-	-	-	-	0	0	0
Trichlorobenzene (total)	0	-	-	-	0	-	-	-	0	-	-	-	-	0	0	0
WHO TEQ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PCDD/F +PCB12	2010.58	-	-	-	2766.98	-	-	-	2179.217	1686.51	1884.424	1433.477	-	1767.918	1403.19	660.441
PCDD/F+PBDD/F+PCB12 Hazard Index	0.24	-	-	-	0.08	-	-	-	0.12	0.09	0.12	0.07	-	0.14	0.1	0.06

ChemName	GTCS 1-29	GTCS 1-30	GTCS2-P013_SOIL	GTCS2-P014_SOIL	GTCS2-P017_SOIL	GTCS2-S141A	GTCS2-S142A	GTCS2-S142A	GTCS2-S142A	GTCS2-S143A	GTCS2-S144A	GTCS2-S144A	GTCS2-S144A	GTCS2-S145A	GTCS2-S146A	GTCS2-S146A	GTCS2-S146A	GTCS2-S147A	GTCS2-S148A	GTCS2-S148A	GTCS2-S148A
Monitoring_Zone	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden	15. St Quintin Community Kitchen Garden
Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.02	0-0.05	0-0.2	0.3-0.4	0-0.2	0-0.05	0-0.2	0.5-0.6	0-0.2	0-0.05	0-0.2	0.4-0.5	0-0.2	0-0.02	0-0.2	0.5-0.6
Sampled_Date_Time	06/06/2019	06/06/2019	24/09/2020	24/09/2020	30/09/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020	02/11/2020
2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-dibromobiphenyl (PBB 4)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-dibromobiphenyl (PBB 15)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,5-tribromobiphenyl (PBB 18)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,5'-Tetrabromobiphenyl (PBB 49)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',5,5'-Tetrabromobiphenyl (PBB 52)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobiphenyl (3,3,5,5-) (PBB 80)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,5,5'-Pentabromobiphenyl (PBB 101)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromobiphenyl (PBB 153)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perbromobiphenyl (PBB 209)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobisphenol A	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocy clododecane (HBCDD)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanic Acid	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexamethylene diisocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Toluene Diisocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Toluenediisocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone Diisocyanate	<500	<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-Methylene-bis(phenyl-isocyanate)	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide Total	<0.5	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thiocyanate	2.9	<0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level	less than 0.1%	less than 0.1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material	No Asbestos	No Asbestos	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Containing Material (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos fibres	Fibre Bundles	Fibre Bundles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Fibres (2)	-	-	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Fibres (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type	Chrysotile	Chrysotile	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Type 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Description (Bulk Analysis)	soil-stones	soil-stones	-	-	-	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stones	Soil/Stone	Soil/Stone	soil.stones	Soil/Stones
Potentially Respirable Fibres per gram	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level Screen	-	-	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Gravimetric & PCOM Total	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total ACM Gravimetric Quantification (% Asb)	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Detailed Gravimetric Quantification (% Asb)	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Quantification - Total - %	<0.001	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synthetic/MMMF	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOC	5.84	6.15	-	-	-	9.04	-	-	-	-	-	-	-	-	-	-	-	9.96	-	-	-
pH (Lab)	7.53	7.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural Moisture Content	27.7	17.6	-	-	-	54.1	65.3	39.1	27.8	75.3	46.5	51.1	31.5	44.8	67.8	20.8	26.9	61.6	55.1	65.5	31.8
Benzo(a)pyrene (surrogate marker for PAH mixture)	0.13	2.87	0.08	0.06	0.07	0.12	0.12	2.14	0	0.19	0.12	0.2	0	0.19	0.1	0.06	0.05	1.44	0.08	0.08	0.11
Xylene Total	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene (total)	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHO TEQ	2.273	60.851	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PCDD/F +PCB12	1565.484	12,793	-	-	-	1370.168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCDD/F+PBDD/F+PCB12 Hazard Index	0.02	0.6	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

| | | | | | Monitoring_Zone | 15. Sr Quentin Community Kitchen Garden | 15. Sr Quentin Community Kitchen Garden | 15. Sr Quentin Community Kitchen Garden | 15. Sr Quentin Community Kitchen Garden | 16. Sir Charles Centre for Health and Wellbeing | 16. Sir Charles Centre for Health and Wellbeing | 16. Sir Charles Centre for Health and Wellbeing | 16. Sir Charles Centre for Health and Wellbeing | 16. Sir Charles Centre for Health and Wellbeing | 16. Sir Charles Centre for Health and Wellbeing | 16. Sir Charles Centre for Health and Wellbeing | 17. Egypt Pepsi | 17. Egypt Pepsi | 17. Egypt Pepsi | 17. Egypt Pepsi | 17. Egypt Pepsi | 17. Egypt Pepsi | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House

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| | | | | | | Monitoring_Zone | 15. St Quintin Community Kitchen Garden | 15. St Quintin Community Kitchen Garden | 15. St Quintin Community Kitchen Garden | 15. St Quintin Community Kitchen Garden | 16. St Charles Centre for Health and Wellbeing | 16. St Charles Centre for Health and Wellbeing | 16. St Charles Centre for Health and Wellbeing | 16. St Charles Centre for Health and Wellbeing | 16. St Charles Centre for Health and Wellbeing | 16. St Charles Centre for Health and Wellbeing | 15. St Charles Centre for Health and Wellbeing | 17. Equal People | 17. Equal People | 17. Equal People | 17. Equal People | 17. Equal People | 17. Equal People | 17. Equal People | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 36. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 18. Portland Road Community Kitchen Garden and Nottingwood House | 19. The Grove | 19. The Grove | 19. The Grove | 19. The Grove | 19. The Grove | 19. The Grove | 19. The Grove | 19. The Grove | 19. The Grove | 19. The Grove | 19. The Grove | 2. Bartlington Dairies School | 2. Bartlington Dairies School | 2. Bartlington Dairies School | 2. Bartlington Dairies School | 2. Bartlington Dairies School | 2. Bartlington Dairies School | 2. Bartlington Dairies School |
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| | | | | | | Monitoring_Zone | J. Barlington Dunes School | J. Barlington Dunes School | J. Barlington Dunes School | J5. Eynham Road Railway Land | J5. Eynham Road Railway Land | J5. Eynham Road Railway Land

| | | | | | Monitoring_Zone | J. Burlington Danes School | J. Burlington Danes School | J. Burlington Danes School | J5. Eyrtham Road Railway Land | J5. Eyrtham Road Railway Land | J5. Eyrtham Road Railway Land

| | | | | | | Monitoring_Zone | 2 Burlington Danes School | 2 Burlington Danes School | 2 Burlington Danes School | 25 Eynham Road Railway Land | 25 Eynham Road Railway Land | 25 Eynham Road Railway Land

| | | | | | Monitoring_Zone | 21. Lancaster West Walkways | 21. Lancaster West Walkways | 21. Lancaster West Walkways | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 25. Marland House and Talbot Grove House | 25. Marland House and Talbot Grove House | 25. Marland House and Talbot Grove House | | |
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	Monitoring_Zone	21. Lancaster West Walkways	21. Lancaster West Walkways	21. Lancaster West Walkways	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	22. Henry Dickens Court	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	23. Silchester East	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	24. Alkmn House and Barlow House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House
	Location_Code	GTC2-I-108A	GTC2-I-108W	GTC2-I-105A	GTC2-I-103	GTC2-I-10	GTC2-I-101A	GTC2-I-102A	GTC2-I-102A	GTC2-I-105A	GTC2-I-104A	GTC2-I-103A	GTC2-I-105A	GTC2-I-104A	GTC2-I-107A	GTC2-I-108A	GTC2-I-109A	GTC2-I-106A	GTC1 1-27	GTC1 1-28	GTC2-PHB_SOIL	GTC2-PHB_SOIL	GTC2-PHSG_SOIL	GTC2-I-101A	GTC2-I-102A	GTC2-I-103A	GTC2-I-104A	GTC2-I-105A	GTC2-I-107A	GTC2-I-108A	GTC2-I-109A	GTC2-I-110A	GTC2-I-111A	GTC2-I-112A	GTC2-I-113A	GTC2-I-114A	GTC2-I-115A	GTC2-I-116A	GTC2-I-117A	GTC2-I-118A	GTC2-I-119A	GTC2-I-120A	GTC2-I-121A	GTC2-I-122A	GTC2-I-123A	GTC2-I-124A	GTC2-I-125A	GTC2-I-126A	GTC2-I-127A	GTC2-I-128A	GTC2-I-129A	GTC2-I-130A	GTC1 1-11	GTC1 1-12	GTC2-PMU_SOIL	GTC2-PBK_SOIL
	Sample_Depth_Range	0-0.02	0-0.2	0-0.02	0-0.02	0-0.05	0-0.05	0-0.2	0-0.05	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.05	0-0.05	0.2	0.2	0.2	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02	0-0.02	0-0.05	0-0.05	0.2	0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.05	0-0.05	0.2	0.2
	Sampled_Date_Time	09/11/2020	09/11/2020	09/11/2020	05/11/2020	05/06/2019	05/06/2019	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	12/11/2020	05/09/2019	05/09/2019	28/08/2020	28/08/2020	28/08/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	11/11/2020	11/11/2020	06/06/2019	06/06/2019	30/09/2020	30/09/2020
	GAC_MS_05A21N;NHA_CAS_3E2=mP_=1.48N70 C																																																		
Chem_Group	ChemName	Analyte Unit	VOC																																																
	Benzo[a]anthracene, 4-hydroxy-1,2,3,4-tetrahydro-	ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene, (6,5,5-trimethyl-3-oxybicyclo[4.1.0]hept-1-yl)	ug/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-Sulfinylbis-2(nitrobenzene)	ug/kg	1100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benz[b]naphth[2,3-d]furan	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[a]anisole	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[d]fluorene	mg/kg	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphth[2,1-d]thiophene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphth[2,3-d]furan	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphthacene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]phenanthrene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[c]cinnoline	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[c]phenanthrene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[e]pyrene	ug/kg	100		-	-	-	-	-	1057	-	-	-	-	-	-	-	-	-	-	-	-	-	330	730	1090	-	-	-	-	-	-	848	680	760	-	-	-	-	-	-	-	-	-	-	862	810	580	-
	Benzo[g]fluoranthene	ug/kg	100		-	-	-	-	1395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270	200	310	-	-	-	-	-	-	-	260	200	-	-	-	-	-	-	-	-	-	-	310	240	-
	Benzo[h]quinoline, 2,4-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[h]quinoline	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[j]fluoranthene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[k]fluoranthene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[ki]fluoranthene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[mn]tetraphene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[rst]pentaphene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[ta]anthracene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[thi]perylene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[tu]naphthacene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[tu]pentaphene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[tu]tetraphene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[tu]triphenylene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[v]chrysene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[wx]acridine	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[xy]fluoranthene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzyl butyl phthalate	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzyl carbazole	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bi-p-Tolyltoxarsylene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromide	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carvacrol	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fluoranthene, 2-methyl-	ug/kg	100		-	-	-	-	1013	521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fluorene, 2,3a-dihydro-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexosterone	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexylcinnzine	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexylresorcinol	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexylthiane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indeno[1,2,3-cd]naphthalene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indole, 3-methyl-2-(oxiranyl)-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indole	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isobutyl	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isopropylcarbazole	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Longifolene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Methyl dehydroabietate	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Morphinone, 4-(1-cyclohexen-1-yl)-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,4,5-trimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,4,6-trimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,6,7-trimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,6-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,7-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,3-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,6-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,7-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-ethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-phenyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphth[2,3-b]thiophene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphth[2,3-b]thiophene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphth[2,3-d]thiazole	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphth[2,3-d]thiazolethione	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphth[2,3-d]thiophene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-Decanoic acid	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexadecenoic Acid	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexadecane	ug/kg	100		-	-	-	-	-	1450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-Ferrolfluorooctadecyl-1,1-diphenoxysulfilimine	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Docosane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dt-eicosanoic Acid	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dt-Cymene	ug/kg	m		-	-	-	<6	<6	-	-	-	-	-	-	-	-	-	-	-	-	-	<6	<6	-	-	-	-	-	-	-	<6	<6	-	-	-	-	-	-	-	-	-	-	-	<6	<6	-	-
	Dt-Lyrene	ug/kg	100		-	-	-	<6	<6	2332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexylene, 1-methyl-	ug/kg	100		-	-	-	-	-	460	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 1,2-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 2-methyl-	ug/kg	100		-	-	-	-	-	414	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 3,6-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 4-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propenal, 2,4-dimethyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1,3-dimethyl-	ug/kg	100		-	-	-	-	-	365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1-methyl-	ug/kg	100		-	-	-	-	-	451	310	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Quinoxaline, 6-[(2-imidazolinylidenamino)-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Retene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rubicene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloro-o-benzoquinone	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrazolane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetradecenoic acid	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-bis(methyloxiformate)ethylene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4b,10b-Dihydro-4b,10b-methanochrysene	mg/kg	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Triphenylene	ug/kg	100		-	-	-	-	-	1394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Triphenylene, 2-methyl-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Cyclobenzene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Longicyclene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(1aS,4E,7aS)-1,1a,5,7-tetramethyl-1a,2,3,4,4a,5,6,7b-octahydrooxireno[f]azulene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selinene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thiirene	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6,7-Methanoazulene, 1,2,3,4,5,6,7-octahydro-4,4,5,9-tetramethyl-, (1S,4R,7S)-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-Hydroxyabietic-8,11,13-triene-7-one	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclohepta[1,2-a:3,4-a':5,6-a'']trinaphthalene, 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18-octadecahydro-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propanamide	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1,3,3-Tetramethylurea	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11,11-Dimethyl-4-methylene-, 2-(2,5-dimeoxtetrahydrofuran-2-ylethe-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,2-dihydro-1,7-dimethyl-4-(1-methylethyl)-, (1S)-	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benz[f]isoquinoline, 1,2,3,4-tetrahydro-3-methyl-1-phenyl-, cisrite	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[thi]naphtho[2,1-d]furan	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6,10,14-Tetramethylpentadecane	ug/kg	100		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organophosphorus flame retardants	Triphenylphosphine	ug/kg			-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-
	Tris(2-chloroisopropyl)phosphate	ug/kg	0.33		-	-	-	<0.5	<0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.15	<0.15	-	-	-	-	-	-	<0.15	<0.15	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.2	-	-
	Tris(2-ethylhexyl) phosphate	ug/kg	175		-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.21	0.15	-	-	-	-	-	-	<0.1	<0.1

| | | | | | | Monitoring_Zone | 21. Lancaster West Walkways | 21. Lancaster West Walkways | 21. Lancaster West Walkways | 21. Lancaster West Walkways | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 22. Henry Dickens Court | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 23. Silchester East | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 24. Alkern House and Barlow House | 25. Markland House and Talbot Grove House | 25. Markland House and Talbot Grove House | 25. Markland House and Talbot Grove House | 25. Markland House and Talbot Grove House | | |
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| | | | | | Monitoring_Zone | 25, Morland House and Talbot Grove House | 25, Morland House and Talbot Grove House | 25, Morland House and Talbot Grove House | 25, Morland House and Talbot Grove House | 25, Morland House and Talbot Grove House | 25, Morland House and Talbot Grove House | 25, Morland House and Talbot Grove House | 25, Morland House and Talbot Grove House | 25, Morland House and Talbot Grove House | 25, Morland House and Talbot Grove House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 26, Bramley House | 27, Kensington Memorial Park | 27, Kensington Memorial Park | 27, Kensington Memorial Park

| | | | | Monitoring_Zone | 25. Morland House and Talbot Grove House | 25. Morland House and Talbot Grove House | 25. Morland House and Talbot Grove House | 25. Morland House and Talbot Grove House | 25. Morland House and Talbot Grove House | 25. Morland House and Talbot Grove House | 25. Morland House and Talbot Grove House | 25. Morland House and Talbot Grove House | 25. Morland House and Talbot Grove House | 25. Morland House and Talbot Grove House | 25. Morland House and Talbot Grove House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 26. Bramley House | 27. Kensington Memorial Park | 27. Kensington Memorial Park | 27. Kensington Memorial Park

					Monitoring_Zone	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House	25. Morland House and Talbot Grove House
					Location_Code	GTCS2-P065_SOIL	GTCS2-S231A	GTCS2-S232A	GTCS2-S233A	GTCS2-S234A	GTCS2-S235A	GTCS2-S236A	GTCS2-S237A	GTCS2-S238A	GTCS2-S239A	GTCS2-S240A
					Sample_Depth_Range	0.2	0-0.2	0-0.2	0-0.2	0-0.05	0-0.02	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02
					Sampled_Date_Time	30/09/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020	09/11/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_EN/IE/NI/WA_C4SL_RESI+HP_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC											
	2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	mg/kg				-	-	-	-	-	-	-	-	-	-	-
	2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	mg/kg				-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	mg/kg			13	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	mg/kg				-	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg				-	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg				-	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg				-	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg				-	-	-	-	-	-	-	-	-	-	-
	2,2',4,5'-Tetrabromobiphenyl (PBB 49)	µg/kg				-	-	-	-	-	-	-	-	-	-	-
	2,2',5,5'-Tetrabromobiphenyl (PBB 52)	µg/kg				-	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg				-	-	-	-	-	-	-	-	-	-	-
	2,2',4,5,5'-Pentabromobiphenyl (PBB 101)	µg/kg				-	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg				-	-	-	-	-	-	-	-	-	-	-
	Perbromobiphenyl (PBB 209)	µg/kg				-	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg				-	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg				-	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			-	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	-	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	-	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	-	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	-	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			-	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	-	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	-	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	-	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None				-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Containing Material (2)	None				-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material (3)	None				-	-	-	-	-	-	-	-	-	-	-
	Asbestos fibres	None				-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Fibres (3)	None				-	-	-	-	-	-	-	-	-	-	-
	Asbestos Type	None				-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Type 2	None				-	-	-	-	-	-	-	-	-	-	-
	Asbestos Type 3	None				-	-	-	-	-	-	-	-	-	-	-
	General Description (Bulk Analysis)	None				-	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	soil.stones	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones
	Potentially Respirable Fibres per gram	None	0			-	-	-	-	-	-	-	-	-	-	-
	Asbestos Level Screen	None				-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-
SVF / MMMF	Synthetic/MMMF	None				-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			-	-	-	-	6.33	-	-	-	-	5.62	6.11
Inorganics	pH (Lab)	pH units	0.01			-	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			-	38.4	35.3	33.6	51.7	47.9	31	32.1	25.6	25.1	44.6
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg			5	0.09	0.26	0.05	0.07	0.59	1.33	3.01	0.12	0.05	1.93	3.77
	Xylene Total	ug/kg			310000	-	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Vario		8,700	-	-	-	-	7640.529	-	-	-	-	2567.397	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	-	-	0.18	-	-	-	-	0.1	-

Monitoring_Zone	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House	26. Bramley House
Location_Code	GTCS 1-25	GTCS 1-26	GTCS2-P068_SOIL	GTCS2-P069_SOIL	GTCS2-P072_SOIL	GTCS2-S241A	GTCS2-S242A	GTCS2-S243A	GTCS2-S244A	GTCS2-S245A	GTCS2-S246A	GTCS2-S247A	GTCS2-S248A	GTCS2-S249A	GTCS2-S250A
Sample_Depth_Range	0-0.05	0-0.05	0.2	0.2	0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0.15-0.35	0.4-0.6	0-0.02
Sampled_Date_Time	05/06/2019	05/06/2019	28/09/2020	28/09/2020	28/09/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020	03/11/2020
2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-dibromobiphenyl (PBB 4)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-dibromobiphenyl (PBB 15)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,5-tribromobiphenyl (PBB 18)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,5'-Tetrabromobiphenyl (PBB 49)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',5,5'-Tetrabromobiphenyl (PBB 52)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobiphenyl (3,3,5,5-) (PBB 80)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,5,5'-Pentabromobiphenyl (PBB 101)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromobiphenyl (PBB 153)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Perbromobiphenyl (PBB 209)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobisphenol A	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocy clododecane (HBCDD)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanic Acid	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
Propyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexamethylene diisocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Toluene Diisocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Toluenediisocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone Diisocyanate	<500	<500	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-Methylene-bis(phenyl-isocyanate)	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide Total	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Thiocyanate	<0.6	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level	No Asbestos	No Asbestos	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material	No Asbestos	No Asbestos	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Containing Material (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos fibres	No Asbestos	No Asbestos	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Fibres (2)	-	-	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Fibre Bundles	No Asbestos
Asbestos Fibres (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type	No Asbestos	No Asbestos	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Chrysotile	No Asbestos
Asbestos Type 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Description (Bulk Analysis)	soil-stones	soil-stones	-	-	-	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	soil.stones
Potentially Respirable Fibres per gram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level Screen	-	-	-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	less than 0.1%	No Asbestos
Asbestos Gravimetric & PCOM Total	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
Asbestos PCOM Quantification (Fibres)	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
Total ACM Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
Total Detailed Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
Asbestos Quantification - Total - %	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
Synthetic/MMMF	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
TOC	3.66	8.2	-	-	-	6.63	-	-	-	2.08	-	-	-	1.21	-
pH (Lab)	8.09	7.51	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural Moisture Content	15.2	33.3	-	-	-	39.4	41.3	37.7	56.8	23.3	44.5	11.9	33.1	21.2	30.3
Benzo(a)pyrene (surrogate marker for PAH mixture)	0.65	1.96	0.36	0.32	0.35	1.62	1.27	0.3	0.2	1.1	0.62	0.9	0.77	1.7	0.87
Xylene Total	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene (total)	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
WHO TEQ	1.849	4.189	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PCDD/F +PCB12	5014.395	1185.481	-	-	-	-	-	-	-	4029.072	-	-	-	3260.043	-
PCDD/F+PBDD/F+PCB12 Hazard Index	0.02	0.04	-	-	-	-	-	-	-	0.05	-	-	-	0.03	-

Monitoring_Zone	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	27. Kensington Memorial Park	28. Treadgold House
Location_Code	GTCS 1-37	GTCS 1-38	GTCS2-S251A	GTCS2-S252A	GTCS2-S253A	GTCS2-S254A	GTCS2-S255A	GTCS2-S256A	GTCS2-S257A	GTCS2-S258A	GTCS2-S259A	GTCS2-S260A	GTCS2-S261A	GTCS2-S262A	GTCS2-S263A	GTCS2-S264A	GTCS2-S265A	GTCS2-S266A	GTCS2-S267A	GTCS2-S268A	GTCS2-S269A	GTCS2-S270A	GTCS 1-07
Sample_Depth_Range	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.05	0-0.02	0-0.02	0-0.2	0-0.2	0-0.2	0-0.05
Sampled_Date_Time	04/06/2019	04/06/2019	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	06/06/2019
2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1
2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1
2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1
2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1
2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1
2,2-dibromobiphenyl (PBB 4)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
4,4-dibromobiphenyl (PBB 15)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
2,2,5-tribromobiphenyl (PBB 18)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
2,2',4,5'-Tetrabromobiphenyl (PBB 49)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',5,5'-Tetrabromobiphenyl (PBB 52)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobiphenyl (3,3,5,5-) (PBB 80)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
2,2',4,5,5'-Pentabromobiphenyl (PBB 101)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromobiphenyl (PBB 153)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
Perbromobiphenyl (PBB 209)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobisphenol A	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
Hexabromocy clododecane (HBCDD)	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1
Isocyanic Acid	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<250
Methyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<250
Ethyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<250
Propyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<250
Phenyl Isocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<250
Hexamethylene diisocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<250
2,4-Toluene Diisocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<250
2,6-Toluenediisocyanate	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<250
Isophorone Diisocyanate	<500	<500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<500
4,4-Methylene-bis(phenyl-isocyanate)	<250	<250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<250
Cyanide (Free)	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
Cyanide Total	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5
Thiocyanate	4.1	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
Asbestos Level	No Asbestos	No Asbestos	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Asbestos
Asbestos Containing Material	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Containing Material (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos fibres	No Asbestos	No Asbestos	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No Asbestos
Asbestos Fibres (2)	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	-
Asbestos Fibres (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Type 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Description (Bulk Analysis)	soil.stones	soil.stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	Soil/Stone	Soil/Stones	soil.stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stones	soil.stones	soil.stones	soil.stones	Soil/Stones	soil.stones	soil.stones
Potentially Respirable Fibres per gram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level Screen	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	-
Asbestos Gravimetric & PCOM Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total ACM Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Detailed Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Quantification - Total - %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synthetic/MMMF	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOC	11.73	5.83	6.83	6.44	-	-	-	6.06	-	-	-	-	3.31	2.73	-	-	-	3.69	-	-	-	-	6.72
pH (Lab)	7.36	6.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.76
Natural Moisture Content	20	32.7	66.9	50.1	41.4	38.9	48.4	55.7	51.4	39.9	22.5	26.7	22.4	22.1	16.8	65.3	50	31.6	35.7	20.6	23	22.4	6.8
Benzo(a)pyrene (surrogate marker for PAH mixture)	1.22	1.1	3.09	1.05	1.95	1.74	1.56	1.18	2.6	2.77	0.54	0.77	13.01	1.15	2.36	1.49	5.9	1.57	0.34	0.06	0.07	0.15	1.67
Xylene Total	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Trichlorobenzene (total)	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WHO TEQ	5.781	8.122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.245
Sum of PCDD/F +PCB12	2126.935	1067.739	994.77	-	-	-	-	1476	-	-	-	-	2387.7	-	-	-	-	824.21	-	-	-	-	1964.97
PCDD/F+PBDD/F+PCB12 Hazard Index	0.06	0.08	0.06	-	-	-	-	0.05	-	-	-	-	0.04	-	-	-	-	0.04	-	-	-	-	0.1

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

| | | | | | Monitoring_Zone | 2b. Treadgold House | 2b. Treadgold House | 2b. Treadgold House | 2b. Treadgold House | 2b. Treadgold House | 2b. Treadgold House | 2b. Treadgold House | 2b. Treadgold House | 2b. Treadgold House | 2b. Treadgold House | 2b. Treadgold House | 2b. Verity Close | 2b. Verity Close | 2b. Verity Close | 2b. Verity Close | 2b. Verity Close | 2b. Verity Close | 2b. Verity Close | 2b. Verity Close | 2b. Verity Close | 2b. Verity Close | 2b. Verity Close | 2b. Verity Close | 3. Bassett House School (Or meters Church) | 3. Bassett House School (Or meters Church) | 3. Bassett House School (Or meters Church)

| | | | | Monitoring_Zone | 2A. Treadgold House | 2A. Treadgold House | 2A. Treadgold House | 2B. Treadgold House | 2B. Treadgold House | 2B. Treadgold House | 2A. Treadgold House | 2A. Treadgold House | 2A. Treadgold House | 2B. Treadgold House | 2B. Treadgold House | 2B. Treadgold House | 2A. Verity Close | 2A. Verity Close | 2A. Verity Close | 2A. Verity Close | 2A. Verity Close | 2B. Verity Close | 2B. Verity Close | 2B. Verity Close | 2B. Verity Close | 2B. Verity Close | 2B. Verity Close | 2B. Verity Close | 3. Bassett House School (10 meters Church) | 3. Bassett House School (10 meters Church) | 3. Bassett House School (10 meters Church)

| | | | | | | Monitoring_Zone | 2A: Treadgold House | 2A: Treadgold House | 2A: Treadgold House | 2A: Treadgold House | 2A: Treadgold House | 2A: Treadgold House | 2A: Treadgold House | 2A: Treadgold House | 2A: Treadgold House | 2A: Treadgold House | 2A: Treadgold House | 2A: Verity Close | 2A: Verity Close | 2A: Verity Close | 2A: Verity Close | 2A: Verity Close | 2B: Verity Close | 2B: Verity Close | 2B: Verity Close | 2B: Verity Close | 2B: Verity Close | 2B: Verity Close | 2B: Verity Close | 3: Bassett House School (10 meters Chureh) | 3: Bassett House School (10 meters Church) | 3: Bassett House School (10 meters Church) | 3: Bassett House School (10 meters Church

| | | | | | Monitoring_Zone | 1b. Darfield Way | 1b. Darfield Way | 1b. Darfield Way | 1b. Darfield Way | 1b. Darfield Way | 1b. Darfield Way | 1b. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 1b. Robinson House | 24. Wesley Square | 24. Wesley Square | 24. Wesley Square | 24. Wesley Square | 24. Wesley Square | 24. Wesley Square | 24. Wesley Square | 24. Wesley Square | 24. Wesley Square | 24. Wesley Square | 24. Wesley Square | 24. Wesley Square | 1b. Silchester West (North and North West area) | 1b. Silchester West (North and North West area) | 1b. Silchester West (North and North West area) | 1b. Silchester West (North and North West area) | 1b. Silchester West (North and North West area) | 1b. Silchester West (North and North West area) | 1b. Silchester West (North and North West area) | 1b. Silchester West (North and North West area) | 1b. Silchester West (North and North West area) | 1b. Silchester West (North and North West area) |
|---|---|---

| | | | | | Monitoring_Zone | 1b. Darfield Way | 1b. Darfield Way | 1c. Darfield Way | 1c. Darfield Way | 1c. Darfield Way | 1c. Darfield Way | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green

| | | | | | | | Monitoring_Zone | 1b. Darfield Way | 1b. Darfield Way | 1c. Darfield Way | 1c. Darfield Way | 1c. Darfield Way | 1c. Darfield Way | 1d. Darfield Way | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Lancaster Green | 1d. Robinson House | 1d. Robinson House | 1d. Robinson House

					Monitoring_Zone	2L 12chester West (North and North West area)	2L 12chester West (North and North West area)	2L 12chester West (North and North West area)	2L 12chester West (North and North West area)	2L 12chester West (North and North West area)	2L Maxilla Walk - Maxilla Hall	2L Maxilla Walk - Maxilla Hall	2L Maxilla Walk - Maxilla Hall	2L Maxilla Walk - Maxilla Hall	2L Maxilla Walk - Maxilla Hall	2L Maxilla Walk - Maxilla Hall	2L Maxilla Walk - Maxilla Hall	2L Maxilla Walk - Maxilla Hall	2L Maxilla Walk - Maxilla Hall	2T. Stonebridge Recreation Ground	2T. Stonebridge Recreation Ground	2T. Stonebridge Recreation Ground	2T. Stonebridge Recreation Ground	2T. Stonebridge Recreation Ground	2T. Stonebridge Recreation Ground	2T. Stonebridge Recreation Ground	2T. Stonebridge Recreation Ground	2T. Stonebridge Recreation Ground	3A. Wormwood Scrubs	3A. Wormwood Scrubs	3A. Wormwood Scrubs	3A. Wormwood Scrubs	3A. Wormwood Scrubs	3A. Wormwood Scrubs	3A. Wormwood Scrubs	3A. Wormwood Scrubs	3A. Wormwood Scrubs	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon	2A. Tower cordon
					Location_Code	GT22-2-046A	GT22-2-047A	GT22-2-048A	GT22-2-049A	GT22-2-050A	GT22-2-051A	GT22-2-052A	GT22-2-053A	GT22-2-054A	GT22-2-055A	GT22-2-056A	GT22-2-057A	GT22-2-058A	GT22-2-059A	GT22-2-060A	GT22-2-061A	GT22-2-062A	GT22-2-063A	GT22-2-064A	GT22-2-065A	GT22-2-066A	GT22-2-067A	GT22-2-068A	GT22-2-069A	GT22-2-070A	GT22-2-071A	GT22-2-072A	GT22-2-073A	GT22-2-074A	GT22-2-075A	GT22-2-076A	GT22-2-077A	GT22-2-078A	GT22-2-079A	GT22-2-080A	GT22-2-081A	GT22-2-082A	GT22-2-083A	GT22-2-084A	GT22-2-085A	GT22-2-086A	GT22-2-087A	GT22-2-088A	GT22-2-089A	GT22-2-090A	GT22-2-091A	GT22-2-092A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02

| | | | | Monitoring_Zone | 2A. Silchester West (North and North West area) | 2A. Silchester West (North and North West area) | 2A. Silchester West (North and North West area) | 2A. Silchester West (North and North West area) | 2A. Silchester West (North and North West area) | 2A. Mozilla Walk - Mozilla Hall | Mozilla Walk - Mozilla Hall | 2A. Mozilla Walk - Mozilla Hall | 2A. Mozilla Walk - Mozilla Hall | 2A.

Chem_Group	ChemName	output unit	EQL	GAC_HH_EN/IE/NI/WA_C4SL_RESI+HP_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC	GTCS2-S346A	GTCS2-S347A	GTCS2-S348A	GTCS2-S349A	GTCS2-S350A	GTCS2-S351A	GTCS2-S352A	GTCS2-S353A	GTCS2-S354A	GTCS2-S355A	GTCS2-S356A	GTCS2-S357A	GTCS2-S358A	GTCS2-S359A	GTCS2-S360A
	Monitoring_Zone					35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	35. Silchester West (North and North West area)	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green	36. Maxilla Walk - Maxilla Hall | Maxilla Green
	Sample_Depth_Range					0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
	Sampled_Date_Time					10/11/2020	10/11/2020	10/11/2020	10/11/2020	10/11/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020	23/10/2020
	2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	mg/kg			13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,5'-Tetrabromobiphenyl (PBB 49)	µg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',5,5'-Tetrabromobiphenyl (PBB 52)	µg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2',4,5,5'-Pentabromobiphenyl (PBB 101)	µg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Perbromobiphenyl (PBB 209)	µg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None				No Asbestos	No Asbestos	No Asbestos	Asbestos Insulating	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Containing Material (2)	None				-	-	No Asbestos	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material (3)	None				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos fibres	None				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Fibre Bundles	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Fibres (3)	None				-	-	No Asbestos	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Type	None				No Asbestos	No Asbestos	No Asbestos	Amosite	No Asbestos	No Asbestos	Chrysotile	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Type 2	None				-	-	No Asbestos	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Type 3	None				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	General Description (Bulk Analysis)	None				Soil/Stone	Soil/Stone	soil.stones	soil.stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone	soil.stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stone
	Potentially Respirable Fibres per gram	None	0			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Level Screen	None				No Asbestos	No Asbestos	No Asbestos	Asbestos level	No Asbestos	No Asbestos	less than 0.1%	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	0.153	-	-	<0.001	-	-	-	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	0.002	-	-	<0.001	-	-	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	<0.001	-	-	<0.001	-	-	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	0.151	-	-	<0.001	-	-	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	0.151	-	-	<0.001	-	-	-	-	-	-	-	-
SVF / MMMF	Synthetic/MMMF	None				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			-	-	-	2.78	4.3	3.51	-	-	-	-	-	-	-	-	4.24
Inorganics	pH (Lab)	pH units	0.01			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			41.8	33	39	24.8	41.8	29.8	30.1	78.6	22.6	38.3	32.5	37.3	29.8	36.2	30.5
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg			5	0.4	0.43	0.46	0.54	0.28	0.21	0.44	0.82	0.56	0.4	1.55	0.96	0.34	0.2	0.4
	Xylene Total	ug/kg			310000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Vario		8,700	-	-	-	3201.729	-	-	-	-	-	-	-	-	-	-	3255.249
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	-	0.06	-	-	-	-	-	-	-	-	-	-	0.05

ChemName	GTCS2-S361A	GTCS2-S362A	GTCS2-S363A	GTCS2-S364A	GTCS2-S365A	GTCS2-S366A	GTCS2-S367A	GTCS2-S368A	GTCS2-S369A	GTCS2-S370A	GTCS2-S371A	GTCS2-S372A	GTCS2-S373A	GTCS2-S374A	GTCS2-S375A	GTCS2-S376A	GTCS2-S377A	GTCS2-S378A	GTCS2-S379A	GTCS2-S380A
Monitoring_Zone	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	37. Stonebridge Recreation Ground	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs	38. Wormwood Scrubs
Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
Sampled_Date_Time	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	18/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020	16/11/2020
2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-
2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-
2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-
2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-
2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-
2,2-dibromobiphenyl (PBB 4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-dibromobiphenyl (PBB 15)	0.000024	-	0.000027	-	0.000013	-	0.000033	-	0.000058	-	-	-	-	-	-	-	-	-	-	-
2,2,5-tribromobiphenyl (PBB 18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,5'-Tetrabromobiphenyl (PBB 49)	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	-	-	-	-	-	-	-	-	-	-
2,2',5,5'-Tetrabromobiphenyl (PBB 52)	<0.002	-	<0.002	-	<0.002	-	0.004	-	<0.002	-	-	-	-	-	-	-	-	-	-	-
tetrabromobiphenyl (3,3,5,5-) (PBB 80)	<0.000002	-	<0.000002	-	<0.000002	-	<0.000002	-	<0.000002	-	-	-	-	-	-	-	-	-	-	-
2,2',4,5,5'-Pentabromobiphenyl (PBB 101)	<0.002	-	<0.002	-	<0.002	-	<0.003	-	<0.002	-	-	-	-	-	-	-	-	-	-	-
Hexabromobiphenyl (PBB 153)	<0.000002	-	0.000005	-	<0.000003	-	0.000012	-	<0.000006	-	-	-	-	-	-	-	-	-	-	-
Perbromobiphenyl (PBB 209)	<0.05	-	<0.05	-	<0.05	-	<0.049	-	<DL	-	-	-	-	-	-	-	-	-	-	-
tetrabromobisphenol A	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-
Hexabromocy clododecane (HBCDD)	<0.1	-	<0.1	-	<0.1	-	<0.1	-	<0.1	-	-	-	-	-	-	-	-	-	-	-
Isocyanic Acid	<250	-	<250	-	<250	-	<250	-	<250	-	-	-	-	-	-	-	-	-	-	-
Methyl Isocyanate	<250	-	<250	-	<250	-	<250	-	<250	-	-	-	-	-	-	-	-	-	-	-
Ethyl Isocyanate	<250	-	<250	-	<250	-	<250	-	<250	-	-	-	-	-	-	-	-	-	-	-
Propyl Isocyanate	<250	-	<250	-	<250	-	<250	-	<250	-	-	-	-	-	-	-	-	-	-	-
Phenyl Isocyanate	<250	-	<250	-	<250	-	<250	-	<250	-	-	-	-	-	-	-	-	-	-	-
Hexamethylene diisocyanate	<250	-	<250	-	<250	-	<250	-	<250	-	-	-	-	-	-	-	-	-	-	-
2,4-Toluene Diisocyanate	<250	-	<250	-	<250	-	<250	-	<250	-	-	-	-	-	-	-	-	-	-	-
2,6-Toluenediisocyanate	<250	-	<250	-	<250	-	<250	-	<250	-	-	-	-	-	-	-	-	-	-	-
Isophorone Diisocyanate	<500	-	<500	-	<500	-	<500	-	<500	-	-	-	-	-	-	-	-	-	-	-
4,4-Methylene-bis(phenyl-isocyanate)	<250	-	<250	-	<250	-	<250	-	<250	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-
Cyanide Total	<0.5	-	<0.5	-	<0.5	-	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-
Thiocyanate	3.8	-	2.4	-	<0.6	-	1.9	-	1.9	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Containing Material (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos fibres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Fibres (2)	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Fibres (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Type 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Description (Bulk Analysis)	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
Potentially Respirable Fibres per gram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level Screen	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Gravimetric & PCOM Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total ACM Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Detailed Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Quantification - Total - %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synthetic/MMMF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOC	7.72	-	5.42	-	3.38	-	7.47	-	15.16	-	-	9.05	7.23	-	-	-	9.32	-	-	-
pH (Lab)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural Moisture Content	52	47.1	53.1	43.7	33.4	40	47.3	43.1	61	37.8	81.5	78.9	70.7	59.8	66.6	60.2	91.3	22.8	52.1	47.4
Benzo(a)pyrene (surrogate marker for PAH mixture)	0.23	13.71	0.52	2.73	0.71	2.79	1.61	1.79	4.33	3.82	0.65	0.41	0.38	1.04	0.35	0.16	0.13	0.58	0.37	0.78
Xylene Total	0	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene (total)	0	-	0	-	0	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-
WHO TEQ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PCDD/F +PCB12	588.32	-	1462.99	-	498.419	-	1797.09	-	1173.97	-	-	2787.99	-	-	-	-	889.906	-	-	-
PCDD/F+PBDD/F+PCB12 Hazard Index	0.02	-	0.05	-	0.01	-	0.18	-	0.11	-	-	0.14	-	-	-	-	0.04	-	-	-

ChemName	GTCS 1-01	GTCS 1-02	GTCS 1-03	GTCS 1-04	GTCS2-S381A	GTCS2-S381A	GTCS2-S381A	GTCS2-S382A	GTCS2-S383A	GTCS2-S384A	GTCS2-S385A	GTCS2-S385A	GTCS2-S385A	GTCS2-S386A
Monitoring_Zone	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon
Sample_Depth_Range	0-0.05	0-0.05	0-0.05	0-0.05	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02
Sampled_Date_Time	10/04/2019	10/04/2019	10/04/2019	10/04/2019	11/11/2020	11/11/2020	11/11/2020	10/11/2020	04/11/2020	10/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020
2,2',4,4',6-pentabromodiphenyl ether (BDE-100)	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1
2,2',3,4,4',5'-hexabromodiphenyl ether(BDE-138)	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1
2,2',4,4',5,5'-hexabromodiphenyl ether(BDE-153)	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1
2,2',4,4',5,6'-hexabromodiphenyl ether(BDE-154)	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1
2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1
2,2-dibromobiphenyl (PBB 4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-dibromobiphenyl (PBB 15)	-	-	-	-	<0.000004	<0.000008	<0.000004	-	<0.000019	-	-	-	-	<0.000005
2,2,5-tribromobiphenyl (PBB 18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2',4,5'-Tetrabromobiphenyl (PBB 49)	-	-	-	-	<0.002	<0.002	<0.002	-	<0.002	-	-	-	-	<0.002
2,2',5,5'-Tetrabromobiphenyl (PBB 52)	-	-	-	-	<0.002	<0.002	<0.002	-	<0.002	-	-	-	-	<0.002
tetrabromobiphenyl (3,3,5,5-) (PBB 80)	-	-	-	-	<0.000002	<0.000002	<0.000002	-	<0.000002	-	-	-	-	<0.000002
2,2',4,5,5'-Pentabromobiphenyl (PBB 101)	-	-	-	-	<0.002	<0.002	<0.002	-	<0.002	-	-	-	-	<0.002
Hexabromobiphenyl (PBB 153)	-	-	-	-	<0.000003	0.000004	<0.000003	-	0.000002	-	-	-	-	0.000003
Perbromobiphenyl (PBB 209)	-	-	-	-	<0.119	<0.049	<0.12	-	<0.049	-	-	-	-	<0.049
tetrabromobisphenol A	-	-	-	-	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5
Hexabromocy clododecane (HBCDD)	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	-	-	-	-	<0.1
Isocyanic Acid	-	-	-	-	<250	<250	<250	-	<500	-	-	-	-	<500
Methyl Isocyanate	-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250
Ethyl Isocyanate	-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250
Propyl Isocyanate	-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250
Phenyl Isocyanate	-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250
Hexamethylene diisocyanate	-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250
2,4-Toluene Diisocyanate	-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250
2,6-Toluenediisocyanate	-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250
Isophorone Diisocyanate	-	-	-	-	<500	<500	<500	-	<500	-	-	-	-	<500
4,4-Methylene-bis(phenyl-isocyanate)	-	-	-	-	<250	<250	<250	-	<250	-	-	-	-	<250
Cyanide (Free)	-	-	-	-	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	<0.5
Cyanide Total	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	0.8	-	-	-	-	0.9
Thiocyanate	-	-	-	-	<0.6	<0.6	<0.6	-	1	-	-	-	-	0.9
Asbestos Level	No Asbestos	No Asbestos	less than 0.1%	No Asbestos	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Containing Material (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos fibres	No Asbestos	No Asbestos	Fibre Bundles	No Asbestos	-	-	-	-	-	-	-	-	-	-
Asbestos Fibres (2)	-	-	-	-	No Asbestos	No Asbestos	Fibre Bundles	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Fibre Bundles
Asbestos Fibres (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type	No Asbestos	No Asbestos	Chrysotile	No Asbestos	No Asbestos	No Asbestos	Chrysotile	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Chrysotile
Asbestos Type 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Description (Bulk Analysis)	soil-stones	soil-stones	soil-stones	soil.stones	Soil/Stones	Soil/Stones	soil.stones	Soil/Stones	Soil/Stone	Soil/Stones	soil.stones	soil.stones	soil.stones	Soil/Stone
Potentially Respirable Fibres per gram	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level Screen	-	-	-	-	No Asbestos	No Asbestos	Asbestos level	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	less than 0.1%
Asbestos Gravimetric & PCOM Total	-	-	-	-	-	-	0.115	-	-	-	-	-	-	<0.001
Asbestos PCOM Quantification (Fibres)	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	<0.001
Total ACM Gravimetric Quantification (% Asb)	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	<0.001
Total Detailed Gravimetric Quantification (% Asb)	-	-	-	-	-	-	0.115	-	-	-	-	-	-	<0.001
Asbestos Quantification - Total - %	-	-	-	-	-	-	0.115	-	-	-	-	-	-	<0.001
Synthetic/MMMF	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOC	2.3	2.15	-	3.24	4.16	2.14	1.21	-	3.51	-	-	-	-	2.92
pH (Lab)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural Moisture Content	24	25.4	23.7	29.1	39	20.8	22.4	56.3	37.8	43.8	34.5	27.8	15	31.6
Benzo(a)pyrene (surrogate marker for PAH mixture)	0.06	0.253	0.207	0.225	0.57	0.41	1.51	0.08	0.26	0.19	0.3	0.58	6.57	0.2
Xylene Total	0	0	0	0	0	0	0	-	0	-	-	-	-	0
Trichlorobenzene (total)	0	0	0	0	0	0	0	-	0	-	-	-	-	0
WHO TEQ	0.274	0.615	0.921	3.101	-	-	-	-	-	-	-	-	-	-
Sum of PCDD/F +PCB12	155.551	274.397	432.817	461.234	1065.417	958.299	784.034	-	930.124	-	-	-	-	2024.142
PCDD/F+PBDD/F+PCB12 Hazard Index	0.003	0.01	0.01	0.03	0.02	0.02	0.03	-	0.02	-	-	-	-	0.02

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

					Monitoring_Zone	2b. Tower cordon	2b. Tower cordon	2b. Tower cordon	2b. Tower cordon	2b. Tower cordon	2b. Tower cordon	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	40. Weyofftire Square	41. Carrefford Walk	42. Avondale Park	42. Avondale Park	43. Avondale Park Gardens	43. Avondale Park Gardens	44. West London Boating Club
					Location_Code	GT23-0180TA	GT23-0188W	GT23-0189W	GT23-0188A	GT23-0188BA	GT23-0190CA	GT23-0192DA	GT23-0192EA	GT23-0192DB	GT23-0192EB	GT23-0192DC	GT23-0192EC	GT23-0192DD	GT23-0192EA	GT23-0192EB	GT23-0192EC	GT23-0192ED	GT23-1=03	GT23-1=02	GT23-1=04	GT23-1=04	GT23-1=05	GT23-1=05	GT23-1=06	GT23-1=06	GT23-1=07	GT23-1=07	GT23-1=08	GT23-1=08	GT23-1=09	GT23-1=09	GT23-1=10	GT23-1=10	GT23-1=11	GT23-1=11	GT23-1=12	GT23-1=12	GT23-1=13	GT23-1=13	GT23-1=14	GT23-1=14	GT23-1=15	GT23-1=15	GT23-1=16	GT23-1=16	GT23-1=17	GT23-1=17	GT23-1=18	GT23-1=18	GT23-1=19	GT23-1=19	GT23-1=20	GT23-1=20
					Sample_Depth_Range	0=0.02	0=0.02	0=0.02	0=0.2	0=0.5	0=0.02	0=0.02	0=0.02	0=0.02	0=0.02	0=0.02	0=0.02	0=0.02	0=0.02	0=0.02	0=0.02	0=0.02	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15	0=0.05	0.1=0.15
					Sample_Date_Time	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	05/05/2018	05/05/2018	05/05/2018

					Monitoring_Zone	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	39. Tower cordon	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	4. Thomas Jones Primary School	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	40. Waynflete Square	41. Camelford Walk	41. Camelford Walk	42. Avondale Park	42. Avondale Park	43. Avondale Park Gardens	43. Avondale Park Gardens	44. West London Bowling Club
					Location_Code	GTCS2-S387A	GTCS2-S388A	GTCS2-S389A	GTCS2-S389A	GTCS2-S389A	GTCS2-S390A	GTCS2-S031A	GTCS2-S032A	GTCS2-S033A	GTCS2-S034A	GTCS2-S035A	GTCS2-S036A	GTCS2-S037A	GTCS2-S038A	GTCS2-S039A	GTCS2-S040A	GTCS 1-43	GTCS 1-43	GTCS 1-44	GTCS 1-44	GTCS 1-45	GTCS 1-45	GTCS 1-46	GTCS 1-46	GTCS 1-47	GTCS 1-47	GTCS 1-48	GTCS 1-48	GTCS 1-49	GTCS 1-49	GTCS 1-50	GTCS 1-50	GTCS 1-51	GTCS 1-51	GTCS 1-52	GTCS 1-53	GTCS 1-54	GTCS 1-55	GTCS 1-56	GTCS 1-57	GTCS 1-58	GTCS 1-59	GTCS 1-15	GTCS 1-16	GTCS 1-21	GTCS 1-22	GTCS 1-23	GTCS 1-24	GTCS 1-39
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.2	0.5-0.6	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0.1-0.15	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05	0-0.05
					Sampled_Date_Time	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	04/11/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	06/06/2019	07/06/2019	07/06/2019	05/06/2019	05/06/2019	05/06/2019	05/06/2019	04/06/2019
Chem_Group	ChemName	output unit	EQL	GAC_HH_EN/IE/NI/WA_C4SL_RESI+HP_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC																																																	
	Benzaldehyde, 4-hydroxy-3,5-dimethoxy-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene, (4,5,5-trimethyl-1,3-cyclopentadien-1-yl)	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-Sulfonylbis (4-chlorobenzene)	ug/kg	100		51000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[1,2-d]furan	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1400	-	-	-	-	-	-	-	-	4079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(c)carbazole	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	387	-
	benzo(c)fluorene	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9542	-	2821	236	-	690	2396	3939	-	-	2276	-	-	-	-	-	7544	-	727	-	443	296	-	-	-	-	-	-	-	2312	-	-
	Benzo[b]naphtho[2,3-d]furan	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	235	6475	-	1194	144	207	-	1649	2865	386	-	860	-	-	-	-	-	6072	-	469	258	-	-	-	-	-	-	-	-	-	1417	412	-
	Benzo[b]naphtho[2,3-d]thiophene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	476	-	-	-	-	-	-	-	-	-	289	-	-	-	-	-	-	-	-	-
	Benzo[b]triphenylene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2785	-	-	-	-	-	-	-	-	9355	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[c]cinnoline	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5569	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[c]phenanthrene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2561	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(e)pyrene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30,260	-	16,972	-	2136	3012	17,873	6399	3091	-	8828	-	2311	1393	1113	23,694	24,414	1368	2719	1974	1822	1542	1655	500	1048	-	1177	-	318	10,148	-	2604
	Benzo[ghi]fluoranthene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[h]quinoline, 2,4-dimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[kl]xanthene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4578	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzoic acid, hexyl ester	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-Biphenyl	ug/kg	100		360000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Biphenylene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Butylated Hydroxytoluene	ug/kg	100		150000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1566	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chrysene, 1-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	409	-	-	-	314	635	715	2844	4408	-	-	-	-	-	-	-	-	-	-	-	-	410	403	-	-	-	-	-	-	-	2567	-	-
	Chrysene, 5-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	514	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chrysene, 6-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5382	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclopenta[cd]pyrene, 3,4-dihydro-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4726	-	-	-	-	-	-	-	-	8621	-	-	-	-	-	-	-	-	-	-	-	-	3954	998	-
	Cyclopenta[def]phenanthrenone	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5053	-	-	-	-	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1456	303	-
	Dehydroabietic acid	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47,248	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	D-Homoandrostane, (5.alpha.,13.alpha.)-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,596	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenz[a,e]aceanthrylene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2408	-	-	-	-	-	-	-	8583	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[a,i]pyrene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,644	-	-	-	-	-	-	978	-	-	-	-	-	-	-	3176	-	125	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2785	-	-
	Dibenzofuran, 4-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1396	-	-	-	-	-	-	-	143	-	-	-	-	-	-	-	2768	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzothiophene	ug/kg	100		780000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzothiophene, 3-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzothiophene, 4,6-dimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	663	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dicyclohexyl phthalate	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diphenyl sulfide	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	di-p-Tolylacetylene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4840	-	760	-	137	-	-	-	812	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	576	-	-
	Eicosane	ug/kg	100			-	1076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	318	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1737	-	-	-	-
	Ferruginol	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fluoranthene, 2-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,811	-	3442	450	645	1117	4204	-	510	-	-	-	-	509	-	4271	-	-	1173	-	576	585	647	-	-	-	-	-	-	4555	764	-
	Fluorene, 2,4a-dihydro-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Heneicosane	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5074	-	454	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6918	-	-
	Heptadecane	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	594	-	-	-	-
	Hexadecane	ug/kg	100			-	702	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1467	-	-	-	1311	-	-	-	1976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexathiane	ug/kg	100			-	348	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1445	-	-	-	-	-	-	-	-	-	-	-	-	1027	-	-
	Indeno[1,2,3-fg]naphthacene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	718	-
	Indole, 5-methyl-2-(4-pyridyl)-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	226	-	-	-	-	-	-	-	-	-	-	-	-
	Isocil	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Longifolene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7933	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Methyl dehydroabietate	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5678	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Morpholine, 4-(1-cyclohepten-1-yl)-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,4,5-trimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,4,6-trimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,6,7-trimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1373	-	-	-	-	-	240	503	166	-	-	-	136	-	-	-	2037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,6-dimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	999	-	-	-	-	-	251	583	158	-	-	-	-	-	-	-	1297	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,7-dimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,3,6-trimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	973	-	-	-	-	-	-	257	135	-	-	-	-	-	-	-	1231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,3-dimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	750	-	-	-	-	-	-	752	-	-	-	-	-	-	-	-	1506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,6-dimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	561	-	-	-	-	-	-	826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,7-dimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	379	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-ethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-phenyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	179	-	-	3093	-	-	-	-	-	-	-	-	7408	-	-	-	-	-	-	-	-	-	-	-	-	729	-	-
	Naphtho[1,2-b]thiophene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1910	306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphtho[2,1,8,7-klmn]xanthene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphtho[2,1-b]thiophene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-Decanoic acid	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexadecanoic Acid	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	196,284	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nonadecane	ug/kg	100			-	524	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17,081	-	-	-	-	-	-	-	-	1174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1856	-	-	-	-	-
	n-Pentafluorosulfanyl-S,S-diphenoxysulfilimine	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Octadecane	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	484	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8766	-	-
	Octadecanoic Acid	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	147,477	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	4			-	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	26
	Perylene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	630	-	-	3653	4791	-	-	-	1132	-	-	-	-	12,492	-	-	-	-	-	-	-	-	-	-	-	-	-	2798	-
	Phenanthrene, 1-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5459	-	1537	159	114	-	1253	4246	229	-	573	116	223	-	-	-	15,948	-	521	-	-	-	-	-	120	-	-	-	-	849	200	-
	Phenanthrene, 2,5-dimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 2-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1095	-	259	392	1804	3412	634	-	1094	-	351	-	135	-	7956	-	434	384	278	230	-	-	-	-	-	-	-	1313	308	-
	Phenanthrene, 3,6-dimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	967	2284	379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 4-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	191	-	-	862	196	190	282	-	-	-	-	-	-	-	273	-	-	-	-	-	233	212	171	173	-	-	-	-	-	-	-	-	-
	Phenol, 2,6-dimethoxy-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1,3-dimethyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7437	-	-	-	-	-	-	634	367	-	-	-	-	-	-	-	1499	-	-	-	-	-	-	-	-	-	-	-	-	1021	-	-
	Pyrene, 1-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	362	7242	-	2101	182	317	480	1649	5147	523	-	4236	264	344	201	-	-	19,565	-	613	656	386	-	-	-	-	293	502	228	-	1978	396	-
	Pyrene, 2-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	353	-	-	-	-	-	-	-	-	-	-	-	-	-
	Quinoxaline, 6-(3-nitrobenzylidenamino)-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Retene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	286	-	-	-	-	-	-	-	158	-	312	-	-	-	-	-	-	-	-	-	-	-	-	-	281	-	-	-	-
	Rubicene-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2432	-	-	-	-	-	-	722	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloro-o-benzoquinone	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2648	-	-	-	-	-	763	-	203	-	-	-	305	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetracosane	ug/kg	100			-	730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2884	-	-	-	-	-	-	1055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetradecanoic acid	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2707	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-Bis(methyldichlorosilyl)ethylene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4b,10b-Dihydro-4b,10b-methanochrysene	mg/kg	0.1			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Triphenylene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1585	-	-	-	1155	-	-	-	32,197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9889	-	-
	Triphenylene, 2-methyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(+)-Cyclosativene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Longicyclene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4677	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(1aS,4S,7bR)-1,1,4,7-tetramethyl-1a,2,3,4,4a,5,6,7b-octahydrocyclopropa[e]azulene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2983
	Calarene	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	744	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9410
	Totarol	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	215	-	2278	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,7-Methanoazulene, 1,2,3,4,5,6,7,8-octahydro-1,4,9,9-tetramethyl-, (1S,4R,7R)-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7955
	12-Hydroxyabieta-8,11,13-trien-7-one	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclobuta[1,2:3,4:3,4]dicyclobuta[1,2:1,2]dibenzene, 4b,4c,8b,8c-tetrahydro-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclododecacyclododecene, 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18-octadecahydro-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3094	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Propanamide	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8803	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3,5,6-Trimethyl-p-quinone, 2-(2,5-dioxotetrahydrofuran-3-yl)thio-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1735	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1946	-	-	819	-	-	-	-	-	637	-	7888	1963	-
	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benz[d]isoxazol-4(5H)-one, 6,7-dihydro-3-methyl-6-phenyl-, oxime	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(b)naphtho(1,2-d)furan	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclic octaatomic sulfur	mg/kg	0.1			-	0.134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2-Methyldiphenylsulfone	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Benzoquinone, 2-hydroxy-5-(phenylthio)-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trioctylphosphine	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphtho(2,1,8-def)quinoline	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,5-dimethyl-	mg/kg	0.1			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,3-dimethyl-	mg/kg	0.1			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Anthracene, 9-(2-propenyl)-	mg/kg	0.1			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 4-methyl-	mg/kg	0.1			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclohexane, hexaethylidene-	mg/kg	0.1			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Anthracene, 9-methyl-	mg/kg	0.1			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9-Octadecenoic acid, (E)-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Heptadecane, 9-octyl-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzenesulfinic acid, 4-chloro-	ug/kg	100			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05		1100	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	0.08	<0.05	0.07	0.39	<0.05	<0.05	1.08	0.06	0.09	0.23	<0.05	<0.05	0.08	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.16	0.16	<0.05
	Acenaphthylene	mg/kg	0.03		920	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.14	0.23	0.07	0.16	0.05	0.12	0.29	0.17	0.19	0.31	0.41	0.79	0.25	0.24	0.35	0.32	0.41	0.7	0.32	0.36	0.21	0.36	0.27	0.52	0.15	0.14	0.12	0.15	0.14	0.5	0.19	0.23	0.19	0.24	0.1	0.09	0.06	0.2	0.17	0.1	1.69	1.04	0.37
	Anthracene	mg/kg	0.04		11000	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.23	0.41	0.07	0.22	0.09	0.15	0.53	0.28	0.45	0.48	0.57	2.01	0.23	0.25	2.22	0.44	0.69	1.43	0.44	0.46	0.39	0.56	0.34	0.82	0.15	0.2	0.17	0.26	0.18	0.71	0.2	0.28	0.33	0.28	0.1	0.09	0.13	0.21	0.19	0.22	1.74	1.24	0.36
	Benz(a)anthracene	mg/kg	0.06		13	0.13	0.12	0.08	0.07	0.19	0.09	0.93	1.54	0.31	1.05	0.33	0.64	2.21	1.17	2.83	1.96	2.1	8.55	0.95	1.06	6.38	2.06	2.36	6.06	1.9	1.89	1.33	1.55	1.56	2.18	1.15	1.13	1.02	1.44	1.09	4.14	1.38	1.76	1.61	1.72	0.74	0.71	0.89	1.71	0.72	0.81	5.55	4.4	1.34
	Benzo(a) pyrene	mg/kg	0.04	5		0.15	0.12	0.08	0.09	0.21	0.09	1.01	1.76	0.37	1.17	0.4	0.64	2.31	1.19	2.95	1.94	2.75	8.61	1.25	1.4	5.55	3.13	3.27	6.93	2.16	2.3	1.46	1.78	1.43	2.24	1.25	1.3	1.29	1.66	1.29	4.54	1.53	2.08	1.8	2.17	0.78	0.78	0.77	1.65	0.9	0.95	7.43	5.75	1.66
	Benzo(b)fluoranthene	mg/kg	0.05		3.7	0.22	0.18	0.12	0.12	0.3	0.12	1.38	2.36	0.48	1.47	0.5	0.89	3.19	1.59	4.9	2.6	3.87	11.28	1.64	1.85	7.34	3.83	4.47	9.33	2.85	2.89	1.88	2.36	1.94	3	1.76	1.81	1.71	2.23	1.78	6.03	2.09	2.97	2.47	2.9	1.09	1.09	1.17	2.28	1.21	1.26	9.25	7.17	2.22
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			0.3	0.25	0.16	0.17	0.41	0.17	1.92	3.28	0.67	2.04	0.7	1.24	4.43	2.21	6.81	3.61	5.37	15.67	2.28	2.57	10.2	5.32	6.21	12.96	3.96	4.01	2.61	3.28	2.69	4.17	2.45	2.51	2.38	3.1	2.47	8.37	2.9	4.13	3.43	4.03	1.51	1.52	1.62	3.16	1.68	1.75	12.85	9.96	3.08
	Benzo(g,h,i)perylene	mg/kg	0.04		350	0.15	0.12	0.08	0.09	0.18	0.09	0.75	1.41	0.28	0.86	0.28	0.53	1.83	0.99	2.62	1.36	2.61	7.43	0.94	0.99	3.7	2.49	2.68	5.86	1.36	1.55	0.93	1.3	1.13	1.53	0.99	0.98	0.95	1.15	0.92	2.74	1.19	1.51	1.26	1.55	0.54	0.58	0.75	1.22	0.68	0.68	5.46	4.34	1.17
	Benzo(k)fluoranthene	mg/kg	0.02		100	0.08	0.07	0.04	0.05	0.11	0.05	0.54	0.92	0.19	0.57	0.2	0.35	1.24	0.62	1.91	1.01	1.5	4.39	0.64	0.72	2.86	1.49	1.74	3.63	1.11	1.12	0.73	0.92	0.75	1.17	0.69	0.7	0.67	0.87	0.69	2.34	0.81	1.16	0.96	1.13	0.42	0.43	0.45	0.88	0.47	0.49	3.6	2.79	0.86
	Chrysene	mg/kg	0.02		27	0.13	0.12	0.08	0.07	0.21	0.08	0.95	1.55	0.3	0.9	0.33	0.6	2.18	1.13	3.68	1.84	2.42	7.76	1.09	1.05	5.68	2.38	3.01	6.38	1.92	1.96	1.34	1.61	1.23	1.98	1.11	1.23	1.05	1.58	1.15	3.9	1.36	1.86	1.59	1.82	0.74	0.68	0.62	1.33	0.8	0.89	5.77	4.53	1.61
	Coronene	mg/kg	0.04			-	<0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	1.48	0.25	0.25	0.67	0.43	0.64	1.28	0.3	0.4	0.23	0.28	0.27	0.37	0.26	0.24	0.22	0.25	0.21	0.64	0.27	0.34	0.27	0.34	0.12	0.13	0.17	0.27	0.18	0.12	1.23	1.04	0.28
	Dibenz(a,h)anthracene	mg/kg	0.04		0.3	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.14	0.25	<0.04	0.19	0.07	0.12	0.33	0.17	0.52	0.25	0.44	1.51	0.22	0.2	0.96	0.69	0.66	1.44	0.36	0.38	0.23	0.23	0.29	0.34	0.21	0.15	0.16	0.27	0.15	0.74	0.27	0.38	0.22	0.37	0.14	0.1	0.18	0.29	0.18	0.16	1.01	1.06	0.21
	Fluoranthene	mg/kg	0.03		890	0.17	0.17	0.08	0.09	0.28	0.08	1.78	3.12	0.57	1.86	0.56	1.11	3.9	2.04	5.96	3.7	4.29	13.8	1.81	2.18	10.97	3.63	5.18	11.38	3.15	3.48	2.4	2.93	2.09	4.94	1.78	2.07	2.11	2.81	2.09	8.48	2.49	3.34	3.38	3.23	1.35	1.1	1.29	2.56	1.37	1.71	9.69	8.11	2.68
	Fluorene	mg/kg	0.04		860	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.12	<0.04	<0.04	<0.04	<0.04	0.1	<0.04	0.11	0.08	0.08	0.43	<0.04	<0.04	0.66	0.06	0.09	0.24	0.06	0.06	0.07	0.07	0.04	0.18	<0.04	0.04	<0.04	0.05	<0.04	0.09	<0.04	<0.04	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.2	0.16	0.05
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		41	0.15	0.12	0.07	0.09	0.18	0.09	0.8	1.44	0.31	0.89	0.29	0.53	1.88	0.9	2.99	1.4	2.44	7.08	0.94	1.03	3.52	2.67	2.49	5.28	1.41	1.59	0.97	1.33	1.13	1.53	0.89	0.91	0.89	1.03	0.88	2.77	1.1	1.47	1.18	1.52	0.52	0.56	0.65	1.09	0.67	0.62	5.22	4.2	1.13
	Naphthalene	mg/kg	0.04		13	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<0.04	<0.04	<0.04	0.11	<0.04	<0.04	0.06	0.15	0.61	0.07	0.06	2.67	0.09	0.15	0.25	0.13	0.11	0.05	0.07	0.1	0.2	0.06	0.06	0.09	0.1	0.08	0.15	0.13	0.09	0.09	0.09	<0.04	<0.04	<0.04	0.05	0.05	<0.04	0.29	0.28	0.08
	Phenanthrene	mg/kg	0.03		440	0.07	0.06	<0.03	<0.03	0.11	<0.03	0.64	1.35	0.15	0.61	0.21	0.41	1.39	0.82	2.05	1.11	1.38	5.74	0.55	0.77	8.41	1.27	1.63	3.94	1.08	0.96	0.99	1.3	0.8	3.36	0.49	0.73	0.77	0.98	0.67	2.37	0.74	1.03	1.15	1.01	0.26	0.3	0.39	0.74	0.46	0.82	2.85	2.56	0.85
	Pyrene	mg/kg	0.03		2000	0.16	0.14	0.08	0.07	0.25	0.08	1.62	2.77	0.52	1.66	0.48	0.92	3.31	1.71	4.25	3.07	3.61	11.79	1.61	1.91	9.26	3.23	4.32	9.64	2.73	3.16	2.08	2.58	1.82	4.15	1.53	1.71	1.85	2.44	1.84	7.57	2.21	2.93	2.81	2.83	1.19	0.99	1.1	2.25	1.19	1.47	8.8	7.19	2.39
	PAH 16 Total	mg/kg	0.6			1.4	-	0.7	0.7	2	0.8	10.9	19.5	3.6	11.6	3.8	7	24.9	12.8	35.5	21.2	28.7	92.2	12.2	13.7	71.6	27.8	33.2	72.7	21	22.3	15.1	19	14.9	28.3	12.2	13.2	12.9	17	13	47.1	15.7	21.1	19.1	20.9	8	7.5	8.5	16.5	9.1	10.2	68.7	55	17
	PAH 17 Total	mg/kg	0.64			-	1.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.36	93.65	12.44	13.96	72.28	28.27	33.88	74	21.28	22.67	15.37	19.23	15.19	28.62	12.47	13.4	13.07	17.27	13.16	47.71	15.96	21.43	19.36	21.24	8.09	7.63	8.62	16.73	9.24	10.29	69.94	56.02	17.26
	PAH 4 SUM Lower	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PAH 4 SUM Upper	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(j)fluoranthene	mg/kg			0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5			-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	43	9	<5	<5	<5	<5	<5	<5	<5
	PCB 52	ug/kg	5			-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	22	19	<5	<5	<5	<5	<5	<5	14	<5	<5	<5	<5	<5	100	29	<5	<5	<5	<5	<5	<5	<5
	PCB 101	ug/kg	5			-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	8	<5	<5	<5	<5	<5	<5	<5	<5	27	22	<5	<5	<5	7	<5	<5	16	<5	<5	<5	<5	<5	86	25	<5	<5	<5	<5	<5	<5	<5
	PCB 118	ug/kg	5		120	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5	8	<5	<5	<5	<5	<5	<5	<5	<5	23	19	<5	<5	<5	6	7	<5	24	<5	<5	<5	<5	<5	115	31	<5	<5	<5	<5	<5	<5	<5
	PCB 138	ug/kg	5			-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	42	<5	<5	<5	<5	8	12	<5	<5	11	16	<5	<5	7	12	<5	<5	9	<5	<5	<5	<5	<5	30	9	<5	<5	<5	<5	<5	<5	<5
	PCB 153	ug/kg	5			-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	33	<5	<5	<5	<5	6	6	<5	<5	10	13	<5	<5	<5	9	<5	<5	7	<5	<5	<5	<5	<5	25	8	<5	<5	<5	<5	<5	<5	<5
	PCB 180	ug/kg	5			-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	59	<5	<5	<5	<5	10	23	<5	<5	6	9	<5	<5	<5	7	<5	<5	<5	<5	<5	<5	<5	<5	8	<5	<5	<5	<5	<5	<5	<5	<5
	Total PCB 7 Congeners	ug/kg	35		200	-	<35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	150	<35	<35	<35	<35	<35	41	<35	<35	106	98	<35	<35	<35	41	<35	<35	70	<35	<35	<35	<35	<35	407	111	<35	<35	<35	<35	<35	<35	<35
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	5		38	-	0.0307	0.0125	0.00678	0.0106	-	-	-	-	0.0928	-	-	-	-	-	-	0.218	0.477	0.0674	0.0501	0.0396	0.0386	0.162	0.256	0.0419	0.0354	5.24	1.87	0.0932	0.0708	0.174	0.282	0.977	0.437	3.29	0.227	0.069	0.0557	0.222	0.594	0.595	0.579	0.057	0.0599	0.0576	0.0532	0.0331	0.0339	0.052
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	5		12	-	0.000983	<DL	<DL	0.000402	-	-	-	-	0.00318	-	-	-	-	-	-	0.00622	0.0155	0.00229	0.00123	0.000936	0.000682	0.00648	0.0102	0.000818	0.00124	0.223	0.0856	0.00296	0.00206	0.00534	0.00854	0.0446	0.0227	0.14	0.0086	0.00323	0.00221	0.0102	0.0254	0.0253	0.0242	0.00157	0.00223	0.000997	0.000617	0.00206	0.00266	0.00345
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	5		120	-	0.356	0.131	0.0488	0.0841	-	-	-	-	0.609	-	-	-	-	-	-	1.57	2.64	0.359	0.267	0.543	0.452	1.17	1.33	0.446	0.383	22.3	11.2	4.31	0.898	2	1.39	5.17	3.61	21.5	1.63	0.536	0.405	1.35	3.42	103	34.9	0.525	0.583	0.269	0.241	0.248	0.228	0.294
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	5		120	-	0.00944	0.00345	0.000648	0.00268	-	-	-	-	0.0244	-	-	-	-	-	-	0.029	0.0512	0.00381	0.00641	0.0095	0.0113	0.0234	0.0684	0.00721	0.00655	0.938	0.379	0.195	0.0247	0.0301	0.0358	0.14	0.111	0.787	0.047	0.0151	0.0106	0.045	0.11	4.53	1.21	0.0101	0.0134	0.00814	0.00369	0.00577	0.00466	0.00708
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	5		120	-	0.792	0.281	0.103	0.181	-	-	-	-	1.3	-	-	-	-	-	-	3.48	4.97	0.725	0.516	1.21	0.989	2.33	2.79	1.06	0.856	33.3	17.2	10.1	1.96	3.92	2.53	8.2	5.59	33.1	2.71	1.12	0.863	2.26	5.75	154	52.4	0.929	1.11	0.554	0.52	0.512	0.507	0.56
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	5		120	-	0.0114	0.0036	0.00209	0.00166	-	-	-	-	0.00971	-	-	-	-	-	-	0.0811	0.222	0.026	0.0241	0.0283	0.0216	0.0785	0.138	0.0289	0.0214	0.843	0.66	0.179	0.0428	0.162	0.12	0.311	0.211	1.04	0.0983	0.0304	0.0227	0.0897	0.221	6	1.65	0.0281	0.0489	0.0149	0.0155	0.0127	0.0172	0.0146
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	5		0.036	-	0.00254	0.00168	<DL	<DL	-	-	-	-	0.0158	-	-	-	-	-	-	0.04	0.0497	0.00758	0.00176	0.00603	0.00612	0.0317	0.0247	0.00785	0.00629	0.169	0.0856	0.0168	0.0114	0.017	0.023	0.0462	0.0208	0.12	0.0154	0.00859	0.00329	0.0114	0.0352	0.0313	0.0276	0.0138	0.00247	0.00808	0.013	0.00646	0.0119	0.0137
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	5		120	-	0.13	0.0542	0.0239	0.0334	-	-	-	-	0.272	-	-	-	-	-	-	0.941	1.6	0.177	0.15	0.238	0.219	0.635	0.593	0.226	0.181	2	1.54	1.51	0.307	0.803	0.595	0.496	0.329	1.49	0.233	0.21	0.161	0.239	0.59	6.27	2.27	0.242	0.299	0.101	0.109	0.128	0.104	0.0958
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	5		120	-	0.0336	0.0143	0.00554	0.0101	-	-	-	-	0.11	-	-	-	-	-	-	0.417	1.12	0.0585	0.0492	0.0722	0.065	0.305	0.508	0.0783	0.0688	0.579	0.529	0.34	0.0923	0.255	0.233	0.137	0.101	0.398	0.0804	0.0608	0.051	0.0727	0.183	1.62	0.589	0.0614	0.0915	0.0342	0.0394	0.0347	0.0301	0.0227
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	5		120	-	0.0519	0.0213	0.0119	0.0162	-	-	-	-	0.155	-	-	-	-	-	-	0.646	1.83	0.0897	0.0744	0.105	0.0876	0.379	0.605	0.118	0.0934	0.823	0.773	0.504	0.126	0.388	0.339	0.195	0.136	0.552	0.105	0.0897	0.073	0.101	0.244	2.07	0.757	0.0972	0.157	0.0511	0.0577	0.0603	0.0481	0.0413
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	5		0.12	-	0.000294	<DL	<DL	0.000138	-	-	-	-	0.00214	-	-	-	-	-	-	0.00343	0.0115	0.000256	0.000884	0.0011	0.00125	<0.000469	0.00675	0.00103	0.0014	0.00152	0.00147	0.00176	0.000557	<0.000665	0.000701	0.00288	<0.000298	0.00102	<0.000352	0.0013	0.0008	0.000306	0.000518	0.00174	0.000736	<0.000378	0.00162	0.000795	0.00125	0.00152	0.00211	0.00245
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	5		130	-	0.00835	0.00364	0.00317	0.00425	-	-	-	-	0.0635	-	-	-	-	-	-	0.207	0.62	0.0193	0.0156	0.0211	0.0177	0.129	0.296	0.0306	0.0246	0.109	0.136	0.0636	0.0291	0.0725	0.0718	0.0263	0.0207	0.0515	0.0189	0.0209	0.0191	0.0202	0.0431	0.173	0.0718	0.0273	0.046	0.0183	0.0126	0.0192	0.0144	0.0098
	Total PCB WHO 12	ug/kg	60			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg				-	3.92	<DL	<DL	<DL	-	-	-	-	9.17	-	-	-	-	-	-	14.5	29.9	3.05	2.55	8.78	8.32	15.7	27.4	6.83	7.08	<0.427	3.51	3.63	5.41	<0.806	4.1	8.64	<1.34	<2.86	<1.395	4.75	3.39	5.45	<0.591	5.07	5.88	<0.976	<0.757	6.49	<0.234	7.74	12.8	6.88
	12378-PeCDD	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	1.75	-	-	-	-	-	-	2.12	8.54	<0.676	0.859	0.761	1.36	3.55	9.28	1.15	1.03	<0.631	0.58	1.25	1.41	<0.894	2.02	0.929	<0.599	<0.639	<0.719	1.41	1.09	0.71	<0.548	0.63	<0.581	<0.781	<0.593	1.07	<0.4	2.05	2.68	2.03
	123478-HxCDD	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	2.59	-	-	-	-	-	-	3.82	7.76	1.08	1.29	1.15	0.726	3.91	9.25	1.41	1.26	0.868	1.91	1.89	1.63	<1.972	3.22	1.25	<0.887	<0.888	<0.81	0.717	1.28	0.976	1.68	0.537	<0.712	2.63	<0.904	1.82	<0.394	2.07	2.71	2.66
	123678-HxCDD	ng/kg				-	1.08	0.905	0.401	<DL	-	-	-	-	9.38	-	-	-	-	-	-	13.6	30.1	3.07	2.47	4.02	3.82	12.2	29.7	6.51	5.02	8.82	11	6.1	7.43	13.8	13.9	6.06	<0.9	<0.932	2.04	2.96	3.85	2.55	3.16	4.99	3.95	3.53	<0.849	3.09	1.96	3.63	6.17	6.8
	123789-HxCDD	ng/kg				-	<DL	<DL	0.863	<DL	-	-	-	-	3.39	-	-	-	-	-	-	6.96	16.7	1.66	1.67	2.15	2.06	7.74	14.3	2.3	0.996	4.79	3.54	2.96	3.99	5.43	7.15	3.85	<0.927	<0.96	<0.849	2.8	<0.577	1.95	1.96	2.57	1.25	<1.204	<0.874	2.27	0.583	2.13	5.17	<0.649
	1234678-HpCDD	ng/kg				-	30.8	25.6	37.8	36.2	-	-	-	-	167	-	-	-	-	-	-	232	557	68	39.6	60.5	52	224	478	212	162	278	356	86.7	92.4	403	542	88.9	61.4	72.5	79.1	80.1	73.7	74.7	126	116	118	145	114	67.5	50.8	53.2	55.8	76.4
	OCDD	ng/kg				-	196	163	203	224	-	-	-	-	1550	-	-	-	-	-	-	1840	5300	483	331	449	443	1820	4310	1940	1690	2920	4280	624	700	3390	4500	562	439	568	480	655	557	612	1140	1110	1060	1180	796	450	419	327	270	563
	TEQ(1) (NATO)	ng/kg				-	2.8	1.46	1.13	1.19	-	-	-	-	16.6	-	-	-	-	-	-	23.1	52.3	5.72	4.79	9.38	9.63	21.1	53.9	11.4	11.2	11.5	15.5	8.49	10.8	13.2	19.6	14.4	3.78	3.92	4.08	9.14	5.59	7.54	8.43	8.22	9.07	5.11	4.96	9.12	2.11	11.5	13.8	10.6
	TEQ(2) (NATO)	ng/kg				-	2.3	1.09	0.772	0.766	-	-	-	-	15.9	-	-	-	-	-	-	22.8	52.3	5.13	4.44	9.16	9.42	20.3	53.9	11.2	11	10.8	15.3	8.05	10.4	11.6	19	13.7	2.05	1.88	2.55	8.82	4.95	7.2	7.76	7.94	8.4	3.65	3.41	8.9	1.55	11.1	13.5	9.9
	OCDF	ng/kg				-	7.16	7.17	7.35	12.8	-	-	-	-	256	-	-	-	-	-	-	167	476	20.4	16.2	29.4	28	222	451	135	131	141	187	47.9	67.7	134	214	44.6	31.2	29.5	26.6	39.1	36.8	40.3	63.8	58	58.1	42.6	88.5	42.3	23.8	33.1	40.1	33.8
	2378-TCDD	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.291	2.36	<0.204	<0.339	<0.171	<0.206	<0.618	2.3	<0.149	<0.228	<0.398	<0.236	<0.442	<0.428	<0.363	<0.538	<0.729	<0.407	<0.459	<0.302	<0.316	<0.36	<0.3	<0.335	<0.282	<0.31	<0.398	<0.223	<0.218	<0.104	<0.377	<0.235	<0.646
	12378-PeCDF	ng/kg				-	<DL	0.915	<DL	<DL	-	-	-	-	3.18	-	-	-	-	-	-	5.52	17.4	4.18	<0.32	5.13	6.3	6.46	19.4	5.09	6.25	3.63	4.56	2.99	3.38	<0.574	2.78	7.1	4.81	2.34	4.79	4.25	3.94	1.66	5.52	3.89	5.49	1.47	<0.815	4.43	1.01	5.51	9.94	5.98
	23478-PeCDF	ng/kg				-	1.47	0.555	<DL	<DL	-	-	-	-	8.79	-	-	-	-	-	-	15.6	29.7	3.33	2.91	7.52	7.5	14	33.5	4.71	6.15	2.97	4.59	5.07	7.1	<0.641	4.08	10.4	<0.759	<0.796	<0.689	6.05	<0.451	4.84	4.68	3.56	5.7	<0.566	<0.538	7.29	<0.242	8.98	8.96	6.84
	123478-HxCDF	ng/kg				-	1.58	<DL	<DL	<DL	-	-	-	-	9.69	-	-	-	-	-	-	11	23.5	3.55	3.22	9.16	9.66	13	32.1	5.56	8.78	4.33	6.72	4.67	6.58	3.26	7.3	14.1	3.85	<0.72	4.14	8.12	7.4	7.22	8.09	7.19	8.38	<0.358	<0.859	6.17	<0.217	8.85	10.9	6.53
	123678-HxCDF	ng/kg				-	1.07	1.18	<DL	<DL	-	-	-	-	6.33	-	-	-	-	-	-	10.8	16.5	2.47	2.54	5.49	4.6	<0.595	20.8	3.57	3.98	3.27	3.29	3.65	5.43	4.69	4.77	11.3	<0.774	<0.723	<0.74	5.01	4.06	4.51	4.26	3.89	3.95	<0.415	<0.807	4.09	<0.225	6.54	9.62	6.21
	234678-HxCDF	ng/kg				-	1.94	0.697	<DL	0.865	-	-	-	-	7.51	-	-	-	-	-	-	13.1	18.1	3.27	2.3	2.74	4.09	<0.56	25	4.45	3.53	3.46	4.29	4.33	5.5	2.12	6.77	9.98	<0.751	<0.579	<0.59	5.1	5.04	3.78	2.57	4.09	1.69	<0.373	<0.835	4.05	0.997	7.47	9.24	5.62
	123789-HxCDF	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	1.79	2.49	<0.443	0.314	<0.465	0.876	<603	2.01	<0.517	<0.265	0.545	0.901	0.51	1.02	<1.024	<0.523	0.954	<0.891	<0.827	<0.719	0.712	0.648	<0.325	0.819	0.918	0.672	<0.551	<1.003	0.547	<0.245	<0.333	0.943	<0.362
	1234678-HpCDF	ng/kg				-	9.44	6.27	5.75	7.68	-	-	-	-	215	-	-	-	-	-	-	170	396	25.6	16.3	29.3	24.9	155	346	73.4	53.7	59.9	86.1	41.2	54.8	111	93.9	52.8	30.6	44.3	39.6	33.9	29.4	28.3	40	35.9	36.8	26.9	139	46	18.5	50.1	54.7	31.4
	1234789-HpCDF	ng/kg				-	0.474	<DL	<DL	0.434	-	-	-	-	4.83	-	-	-	-	-	-	8.46	16.9	<0.724	1.04	3.36	2.58	6.2	14.2	4.25	4	5.49	6.86	1.31	2.19	4.73	6.1	5.05	3.21	<1.373	<1.369	2.95	1.68	2.12	3.7	3.59	2.74	2.09	<2.553	2.17	0.946	2.8	2.64	2.18
Brominated Dioxins and Furans	2378-TBDD	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.47	<0.71	<0.5	<0.75	<0.55	<0.74	<0.85	<0.82	<0.58	<0.7	<0.6	<0.75	<0.6	<0.72	<0.79	<0.8	<0.83	<0.8	<0.83	<0.78	<0.8	<0.82	<0.84	<0.85	<0.83	<0.82	<0.79	<0.8	<0.8	<0.79	<0.78	<0.8	<0.64
	12378-PBDD	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.52	<0.75	<0.53	<0.78	<0.53	<0.8	<0.83	<0.83	<0.55	<0.77	<0.57	<0.8	<0.59	<0.77	<0.8	<0.8	<0.82	<0.82	<0.82	<0.8	<0.8	<0.8	<0.8	<0.82	<0.82	<0.82	<0.8	<0.8	<0.78	<0.79	<0.81	<0.81	<0.6
	123478-HxBDD	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.54	<0.68	<0.55	<0.66	<0.57	<0.69	<0.82	<0.82	<0.6	<0.68	<0.59	<0.77	<0.57	<0.74	<0.77	<0.76	<0.83	<0.8	<0.83	<0.83	<0.81	<0.84	<0.84	<0.84	<0.83	<0.84	<0.8	<0.8	<0.77	<0.77	<0.79	<0.77	<0.59
	123678-HxBDD	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.59	<0.63	<0.6	<0.65	<0.61	<0.7	<0.82	<0.84	0.63	<0.7	0.6	<0.69	<0.6	<0.69	<0.74	<0.77	<0.84	<0.84	<0.84	<0.81	<0.81	<0.83	<0.83	<0.85	<0.85	<0.85	<0.81	<0.81	<0.78	<0.8	<0.76	<0.79	<0.62
	123789-HxBDD	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.48	<0.7	<0.53	<0.7	<0.55	<0.74	<0.84	<0.84	0.61	<0.7	0.67	<0.73	<0.54	<0.7	<0.82	<0.8	<0.82	<0.83	<0.83	<0.83	<0.8	<0.8	<0.81	<0.81	<0.84	<0.84	<0.77	<0.79	<0.71	<0.74	<0.69	<0.73	<0.58
	1234678-HpBDD	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.6	1.81	<0.61	<0.71	0.63	<0.73	0.97	1.78	0.92	<0.81	0.77	0.92	<0.6	<0.8	<0.84	<0.8	<0.8	<0.8	<0.81	<0.82	<0.84	<0.85	<0.85	<0.83	<0.83	<0.83	<0.82	<0.82	<0.8	<0.8	<0.8	<0.78	<0.63
	OBDD	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.81	<0.84	<0.8	<0.8	<0.78	<0.81	<0.83	<0.85	<0.8	<0.8	<0.78	<0.8	<0.79	<0.74	<0.82	<0.82	<0.8	<0.82	<0.82	<0.84	<0.85	<0.83	<0.83	<0.85	<0.84	<0.81	<0.82	<0.83	<0.82	<0.8	<0.82	<0.82	<0.8
	2378-TBDF	ng/kg				-	<DL	<DL	<DL	0.8	-	-	-	-	1.2	-	-	-	-	-	-	0.98	17.5	2.51	1.01	3.01	2.55	11.14	19.67	8.93	3.76	7.14	6.23	3.18	2.09	5.17	6.94	4.87	1.97	1.65	1.33	2.76	2.33	3.03	3.5	3.06	2.84	1.1	3.97	2.87	0.98	1.98	3.08	2.29
	12378-PBDF	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	0.8	-	-	-	-	-	-	1	8.34	0.98	0.87	1.25	1.36	7.91	14.53	4.56	1.77	4.12	4.18	2.29	1.36	3.57	4.33	3.3	1.28	1.09	1.26	1.98	1.41	2.09	2.36	1.85	2.13	0.85	2.14	1.75	1.14	1.54	1.66	2.08
	23478-PBDF	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.5	4.91	0.78	1.19	1.1	1.7	4.23	8.19	2.33	1.19	2.09	2.18	1.58	0.81	1.96	2.28	1.78	0.83	1	1.1	2.2	0.88	1.26	1.09	1.68	1.77	1.16	2.3	0.89	<0.8	0.83	1.19	1.14
	123478-HxBDF	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	0.7	-	-	-	-	-	-	<0.55	6.12	0.6	0.9	0.75	0.75	2.55	5.71	1.54	1.39	1.33	1.69	0.89	1.29	1.55	1.19	1.55	<0.77	0.8	0.97	2.34	0.75	1.04	1.74	2.22	1.48	0.8	1.46	2.1	0.79	0.62	1.9	<0.66
	123678-HxBDF	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.49	3	0.52	1.46	0.68	1.99	2.71	4.4	1.29	3.01	1.4	1.44	0.65	0.8	1.73	2.04	1.41	<0.77	<0.77	<0.8	0.91	0.86	1.66	1.3	1.19	1.87	<0.77	2.07	1.85	<0.8	0.79	2.27	0.71
	234678-HxBDF	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.46	<0.74	<0.49	<0.78	0.47	<0.8	1.12	2.57	0.91	0.74	1.06	0.9	0.62	<0.77	<0.8	0.97	<0.8	<0.8	<0.83	<0.83	<0.79	<0.8	<0.85	<0.85	<0.84	0.86	<0.8	<0.8	<0.75	<0.77	<0.78	<0.88	0.8
	123789-HxBDF	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.44	1.29	<0.45	<0.72	<0.48	<0.75	<0.85	1.15	0.56	<0.76	<0.57	<0.78	<0.57	<0.8	<0.8	<0.8	<0.8	<0.81	<0.81	<0.8	<0.8	<0.8	<0.83	<0.84	<0.84	<0.83	<0.81	<0.8	<0.81	<0.8	<0.82	<0.82	<0.59
	1234678-HpBDF	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.48	2.27	<0.5	<0.68	<0.53	<0.69	<0.82	<0.84	0.5	<0.67	0.5	<0.7	<0.53	<0.75	1.03	1.55	0.98	<0.78	<0.82	<0.82	<0.82	<0.84	<0.84	<0.84	<0.83	<0.83	<0.8	1.11	<0.77	<0.79	<0.74	<0.79	<0.55
	1234789-HpBDF	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.55	3.16	<0.56	<0.73	<0.6	<0.72	1.33	3.09	<0.58	<0.7	<0.6	<0.79	<0.66	<0.79	<0.77	<0.77	<0.77	<0.79	<0.8	<0.79	<0.83	<0.83	<0.83	<0.85	<0.84	<0.81	<0.82	<0.79	<0.79	<0.74	<0.8	<0.83	<0.68
	OBDF	ng/kg				-	<DL	<DL	<DL	<DL	-	-	-	-	<DL	-	-	-	-	-	-	<0.65	1.11	<0.68	<0.82	<0.7	<0.8	<0.85	1.22	<0.7	<0.77	<0.72	<0.82	<0.72	<0.81	<0.8	<0.79	<0.81	<0.81	<0.83	<0.83	<0.84	<0.85	<0.85	<0.85	<0.83	<0.82	<0.83	<0.83	<0.85	<0.83	<0.84	<0.85	<0.74
Organophosphorous flame retardants	Triphenylphosphate	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Tris(1-chloro-2-propyl)phosphate	mg/kg			630	-	0.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.15	<0.5	<0.15	<0.15	<0.5	<0.15	<0.15	<0.5	<0.15	<0.15	<0.1	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.2	<0.1	<0.2	<0.2	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
	Tris(2-ethylhexyl) phosphate	mg/kg			170	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Brominated flame retardents (PBDEs)	2,2',4-tribromodiphenyl ether (BDE-17)	mg/kg				-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,4,4'-tribromodiphenyl ether (BDE-28)	mg/kg				-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2',4,4'-tetrabromodiphenyl ether (BDE-47)	mg/kg			6.3	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,3',4,4'-tetrabromodiphenyl ether (BDE-66)	mg/kg				-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2',3,4,4'-pentabromodiphenyl ether (BDE-85)	mg/kg				-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	2,2',4,4',5-pentabromodiphenyl ether (BDE-99)	mg/kg			6.3	-	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

| | | | | | | | Monitoring_Zone | 2A: Tower cordon | 2A: Tower cordon | 2A: Tower cordon | 2A: Tower cordon | 2A: Tower cordon | 2A: Tower cordon | 4. Thomas Jones Primary School | 4. Thomas Jones Primary School | 4. Thomas Jones Primary School | 4. Thomas Jones Primary School | 4. Thomas Jones Primary School | 4. Thomas Jones Primary School | 4. Thomas Jones Primary School | 4. Thomas Jones Primary School | 4. Thomas Jones Primary School | 40. Wesp Primary School | 40. Wesp Primary School | 40. Wesp

					Monitoring_Zone	46. West London Mooring Club	45. St. Quintins Residential	45. St. Quintins Residential	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School		
					Location_Code	GTZ1-1-s01	GTZ1-1-s01	GTZ1-1-s02	GTZ12-0-SW1A	GTZ12-0-SW2A	GTZ12-0-SW3A	GTZ12-0-SW4A	GTZ12-0-SW5A	GTZ12-0-SW6A	GTZ12-0-SW7A	GTZ12-0-SW8A	GTZ12-0-SW9A	GTZ12-0-SW10A	GTZ12-0-SE1A	GTZ12-0-SE2A	GTZ12-0-SE3A	GTZ12-0-SE4A	GTZ12-0-SE5A	GTZ12-0-SE6A	GTZ12-0-SE7A	GTZ12-0-SE8A	GTZ12-0-SE9A	GTZ12-0-SE10A	GTZ12-0-NE1A	GTZ12-0-NE2A	GTZ12-0-NE3A	GTZ12-0-NE4A	GTZ12-0-NE5A	GTZ12-0-NE6A	GTZ12-0-NE7A	GTZ12-0-NE8A	GTZ12-0-NE9A	GTZ12-0-NE10A	GTZ12-0-NW1A	GTZ12-0-NW2A	GTZ12-0-NW3A	GTZ12-0-NW4A	GTZ12-0-NW5A	GTZ12-0-NW6A	GTZ12-0-NW7A	GTZ12-0-NW8A	GTZ12-0-NW9A	GTZ12-0-NW10A	GTZ12-0-SW1A	GTZ12-0-SW2A	GTZ12-0-SW3A	GTZ12-0-SW4A	GTZ12-0-SW5A	GTZ12-0-SW6A		
					Sample_Depth_Range	0-0.05	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
					Sampled_Date_Time	04/09/2019	04/09/2019	04/09/2019	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	29/09/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	29/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020
				GAC_s03_SV4178/19/6_CAS_3E2=mP_=1.48/570	GAC_s03_SD=75_SCORE_=1.48/570																																																						
Chem_Group	Chemname	Hotspot wide	VOC																																																							
Alkanes	Decane	mg/kg	29			-	-	-	590	-	-	-	446	693	-	-	-	-	-	-	861	-	-	-	-	-	-

				Monitoring_Zone	46- West London Mooring Club	45- St. Quintins Roundabout	45- St. Quintins Roundabout	5- All Saints Catholic College	5- All Saints Catholic College	5- All Saints Catholic College	5- All Saints Catholic College	5- All Saints Catholic College	5- All Saints Catholic College	5- All Saints Catholic College	5- All Saints Catholic College	5- All Saints Catholic College	5- All Saints Catholic College	6- Barlby Primary School	6- Barlby Primary School	6- Barlby Primary School	6- Barlby Primary School	6- Barlby Primary School	6- Barlby Primary School	6- Barlby Primary School	6- Barlby Primary School	6- Barlby Primary School	7- St. Francis Primary School	7- St. Francis Primary School	7- St. Francis Primary School	7- St. Francis Primary School	7- St. Francis Primary School	7- St. Francis Primary School	7- St. Francis Primary School	7- St. Francis Primary School	7- St. Francis Primary School	8- St. Anne's and Avondale Primary School and Nursery	8- St. Anne's and Avondale Primary School and Nursery	8- St. Anne's and Avondale Primary School and Nursery	8- St. Anne's and Avondale Primary School and Nursery	8- St. Anne's and Avondale Primary School and Nursery	8- St. Anne's and Avondale Primary School and Nursery	8- St. Anne's and Avondale Primary School and Nursery	8- St. Anne's and Avondale Primary School and Nursery	8- St. Anne's and Avondale Primary School and Nursery	9- Oxford Gardens Primary School	9- Oxford Gardens Primary School	9- Oxford Gardens Primary School	9- Oxford Gardens Primary School	9- Oxford Gardens Primary School	9- Oxford Gardens Primary School	9- Oxford Gardens Primary School	9- Oxford Gardens Primary School	9- Oxford Gardens Primary School
				Location_Code	6723-1-HD	6723-1-HD	6723-1-HD	6723Z-0041A	6723Z0-0042A	6723Z-0043A	6723Z-0044A	6723Z-0045A	6723Z-0046A	6723Z-0047A	6723Z-0048A	6723Z-0049A	6723Z-0050A	6723Z-0051A	6723Z-0052A	6723Z-0053A	6723Z-0054A	6723Z-0055A	6723Z-0056A	6723Z-0057A	6723Z-0058A	6723Z-0059A	6723Z-0060A	6723Z-PRE_SOIL	6723Z-0061A	6723Z-0062A	6723Z-0063A	6723Z-0064A	6723Z-0065A	6723Z-0066A	6723Z-0067A	6723Z-0068A	6723Z-0069A	6723Z-0070A	6723Z-0071A	6723Z-0072A	6723Z-0073A	6723Z-0074A	6723Z-0075A	6723Z-0076A	6723Z-0077A	6723Z-0078A	6723Z-0079A	6723Z-0080A	6723Z-0081A	6723Z-0082A	6723Z-0083A	6723Z-0084A	6723Z-0085A	6723Z-0086A	6723Z-0087A	6723Z-0088A
				Sample_Depth_Range	0-0.05	0-0.05	0m-0.5m	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0.2	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.2	0m-0.2	0m-0.2	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02	0m-0.02
				Sampled_Date_Time	04/09/2019	04/09/2019	04/09/2019	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	26/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	29/09/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020
				GAC_HH_05/42/NERA_CAS_3E2=eP_=1.48/470																																																				
				GAC_HH_05/2=BL_SCORAE_=1.48/470																																																			
Client_Group	Chemname	Hotspot wide	VOC																																																			
	Benzo(a)anthracene, 4-thydroxy-1,3-dinitrobiphenyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzene, (6,5,5-trimethyl-3-(n-octylsulphinyl)hept-1-en)	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-Sulfinylbis-2(n-Butylcellosolve)	ug/kg	VOC	51000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,3]furan	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(a)anaxole	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo(b)fluoresine	mg/kg	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	VOC		-	1132	765	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,3-d]furan	ug/kg	VOC		-	286	206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[b]naphtho[2,3-d]thiophene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[c]cinnoline	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[c]fluoranthrene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[ghi]perylene	ug/kg	VOC		-	2453	2286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	870	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[j]fluoranthene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[k]fluoranthene, 1,2-dimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzo[r]pyrethene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzoic acid, Metal Water	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-Biphenyl	ug/kg	VOC	260000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Biphenylene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis(2-ethylhexyl)fulvate	ug/kg	VOC	150000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis-pyrene, 1-methyl-	ug/kg	VOC		-	437	738	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis-pyrene, 5-methyl-	ug/kg	VOC		-	-	660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bis-pyrene, 6-methyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclopenta(cd)pyrene, 3,4-dihydro-	ug/kg	VOC		-	-	548	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cyclopentobdtbi(fgh)anthrathrene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dehydrateskeric acid	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromacetrotosine, (5-alpha, 13-alpha,)	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[a,e]azaanthrylene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[a,i]pyrene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[a,l]pyrene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzofuran, 4-methyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzothiophene	ug/kg	VOC	760000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzothiophene, 2-methyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dibenzothiophene, 4,6-dimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dihydrohexyl phthalate	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diphenyl sulfide	ug/kg	VOC		-	350	204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	di-p-Tolyloxarylene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dolastatin	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fenchlorazole	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fenrugrast	ug/kg	VOC		2005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fluoranthene, 2-methyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fluorene, 2,3a-dihydro-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Heroxicisine	ug/kg	VOC		1432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexpolecane	ug/kg	VOC		495	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexadecane	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexathion	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indeno[1,2,3-cd]naphthalene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indole, 3-methyl-2-(oxyindyl)	ug/kg	VOC		-	-	238	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Iodine	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Longifolene	ug/kg	VOC		-	266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Menthyl dehydroabietinate	ug/kg	VOC		581	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Morphindine, 4-(1-cyclohexen-1-yl)-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,4,5-trimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,4,6-trimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,6,7-trimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,6-dimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 1,7-dimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,3-dimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,6-dimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2,7-dimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-ethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthalene, 2-phenyl-	ug/kg	VOC		-	264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthol[1,2-b]thiophene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthol[2,1-b]thiophene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Naphthol[2,3-b]thiophene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-Dolastic acid	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Neodolastic Acid	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Neotrebolone	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	n-Ferrolfluorouslbutyl-1,2-diphenoxyoxillimine	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Octadecane	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oil eldorado Acid	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	p-Cymene	ug/kg	VOC		<4	<4	<4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Perylene	ug/kg	VOC		492	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 1-methyl-	ug/kg	VOC		189	587	391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 2,3-dimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 2-methyl-	ug/kg	VOC		-	428	462	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 3,6-dimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Phenanthrene, 4-methyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pheno, 2,6-dimethoxy-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1,3-dimethyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 1-methyl-	ug/kg	VOC		-	458	463	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pyrene, 2-methyl-	ug/kg	VOC		-	-	395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Quinoxaline, 6-(2-imidoamylobenamino)-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Retene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rubicene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachloro-o-benzoquinone	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrodotoxin	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrodotoxinic acid	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-diethethylcitotrocetylcarbylene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4b,10b-Dihydro-8b,10b-methenanthrylene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Triphenylene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Triphenylene, 2-methyl-	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	tri-Cyclobenzene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Longicyclene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(cis(-4E,7aS)-1,4,4,7-tetramethyl-1a,2,3,4,4a,5,6,7b-octahydrocyclopropa[j]pyrene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ketorene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrene	ug/kg	VOC	61324	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6,7-Methlenazalene, 1,2,3,4,5,6,7,8-octahydro-1,4,5,8-tetramethyl-, (1S,4R,7S)	ug/kg	VOC		777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12-hydroxydodeka-4,11,13-trien-7-one	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(cis(6aS)-2,4,4,6,6a,9,9-heptamethyl-1,2,3,6a,7,8,9,9a-octahydrocyclopropa[j]azulene	ug/kg	VOC		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

					Monitoring_Zone	44. West London Bowling Club	45. St. Quintins Roundabout	45. St. Quintins Roundabout	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College	5. All Saints Catholic College
					Location_Code	GTCS 1-40	GTCS 1-41	GTCS 1-42	GTCS2-S041A	GTCS2-S042A	GTCS2-S043A	GTCS2-S044A	GTCS2-S045A	GTCS2-S046A	GTCS2-S047A	GTCS2-S048A	GTCS2-S049A	GTCS2-S050A
					Sample_Depth_Range	0-0.05	0-0.05	0-0.05	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	04/06/2019	04/06/2019	04/06/2019	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_EN/IE/NI/WA_C4SL_RESI+HP_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC													
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg				<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg				<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg			13	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg				<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg				<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg				<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg				<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg				<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	2,2'',4,5''-Tetrabromobiphenyl (PBB 49)	µg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-
	2,2'',5,5''-Tetrabromobiphenyl (PBB 52)	µg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg				<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	2,2'',4,5,5''-Pentabromobiphenyl (PBB 101)	µg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg				<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Perbromobiphenyl (PBB 209)	µg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg				<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg				<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			<250	<250	<250	-	-	-	-	-	-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	<250	<250	<250	-	-	-	-	-	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			<250	<250	<250	-	-	-	-	-	-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			<250	<250	<250	-	-	-	-	-	-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			<250	<250	<250	-	-	-	-	-	-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	<250	<250	<250	-	-	-	-	-	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	<250	<250	<250	-	-	-	-	-	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	<250	<250	<250	-	-	-	-	-	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			<500	<500	<500	-	-	-	-	-	-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	<250	<250	<250	-	-	-	-	-	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	0.9	1	<0.5	-	-	-	-	-	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	2.2	2.5	1.6	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Level	None				No Asbestos	No Asbestos	No Asbestos	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Containing Material (2)	None				-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Containing Material (3)	None				-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos fibres	None				No Asbestos	No Asbestos	No Asbestos	-	-	-	-	-	-	-	-	-	-
	Asbestos Fibres (2)	None				-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Fibres (3)	None				-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Type	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Type 2	None				-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Type 3	None				-	-	-	-	-	-	-	-	-	-	-	-	-
	General Description (Bulk Analysis)	None				soil-stones	soil.stones	soil.stones	soil.stones	soil.stones	Soil/Stone	Soil/Stones	Soil/Stone	soil.stones	Soil/Stones	Soil/Stone	Soil/Stone	Soil/Stone
	Potentially Respirable Fibres per gram	None	0			-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Level Screen	None				-	-	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	-	-	-	-	-	-	-	-	-	-
SVF / MMMF	Synthetic/MMMF	None				0	0	0	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			7.05	7.01	6.51	-	-	-	-	7.21	7.06	-	-	-	1.64
Inorganics	pH (Lab)	pH units	0.01			7.37	6.59	6.85	-	-	-	-	-	-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			16.7	19.5	17.3	53.5	85.1	68.7	46.6	49.2	37.7	42.5	44.4	41.3	29.4
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg			5	1.12	5.11	3.8	1.5	0.7	0.54	0.91	3.31	2.16	1.44	0.72	0.64	1.04
	Xylene Total	ug/kg			310000	0	0	0	-	-	-	-	-	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	0	0	0	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				11.071	15.053	13.046	-	-	-	-	-	-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Vario		8,700	2320.591	2555.35	2744.62	-	-	-	-	1459.092	-	-	-	-	14065.8
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	0.11	0.15	0.13	-	-	-	-	0.1	-	-	-	-	0.14

Monitoring_Zone	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	6. Barlby Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School
Location_Code	GTCS2-S051A	GTCS2-S052A	GTCS2-S053A	GTCS2-S054A	GTCS2-S055A	GTCS2-S056A	GTCS2-S057A	GTCS2-S058A	GTCS2-S059A	GTCS2-S060A	GTCS2-P002_SOIL	GTCS2-S061A	GTCS2-S062A	GTCS2-S063A	GTCS2-S064A
Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0.2	0-0.02	0-0.02	0-0.02	0-0.02
Sampled_Date_Time	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	29/09/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020
2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-dibromobiphenyl (PBB 4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-dibromobiphenyl (PBB 15)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,5-tribromobiphenyl (PBB 18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',4,5''-Tetrabromobiphenyl (PBB 49)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',5,5''-Tetrabromobiphenyl (PBB 52)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobiphenyl (3,3,5,5-) (PBB 80)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',4,5,5''-Pentabromobiphenyl (PBB 101)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromobiphenyl (PBB 153)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perbromobiphenyl (PBB 209)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobisphenol A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocy clododecane (HBCDD)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexamethylene diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Toluene Diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Toluenediisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone Diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-Methylene-bis(phenyl-isocyanate)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thiocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Containing Material (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos fibres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Fibres (2)	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Fibres (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Type 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Description (Bulk Analysis)	Soil/Stone	Soil/Stone	Soil/Stone	Soil/Stone	soil.stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stone	Soil/Stone	-	soil.stones	soil.stones	Soil/Stone	Soil/Stone
Potentially Respirable Fibres per gram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level Screen	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	-	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Gravimetric & PCOM Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos PCOM Quantification (Fibres)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total ACM Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Detailed Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Quantification - Total - %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Synthetic/MMMF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOC	2.87	-	-	-	-	3.66	1.67	-	-	-	-	-	5.67	-	-
pH (Lab)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural Moisture Content	21.4	28.7	26.5	26	21	32.8	21.6	40.8	32.7	29.1	-	35.4	37.1	40.1	35.9
Benzo(a)pyrene (surrogate marker for PAH mixture)	0.29	0.49	5.46	0.34	0.42	0.28	0.23	0.46	0.8	0.12	0.54	0.76	0.43	0.71	0.46
Xylene Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHO TEQ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PCDD/F +PCB12	1127.6	-	-	-	-	870.3	-	-	-	-	-	-	1400.036	-	-
PCDD/F+PBDD/F+PCB12 Hazard Index	0.03	-	-	-	-	0.02	-	-	-	-	-	-	0.03	-	-

Monitoring_Zone	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	7. St. Francis Primary School	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	8. St. Anne's and Avondale Primary School and Nursery	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School
Location_Code	GTCS2-S065A	GTCS2-S066A	GTCS2-S067A	GTCS2-S068A	GTCS2-S069A	GTCS2-S070A	GTCS2-S071A	GTCS2-S072A	GTCS2-S073A	GTCS2-S074A	GTCS2-S075A	GTCS2-S076A	GTCS2-S077A	GTCS2-S078A	GTCS2-S079A	GTCS2-S080A	GTCS2-S081A	GTCS2-S082A	GTCS2-S083A	GTCS2-S084A	GTCS2-S085A
Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.2	0-0.2	0-0.2	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
Sampled_Date_Time	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	28/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	27/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020
2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-dibromobiphenyl (PBB 4)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-dibromobiphenyl (PBB 15)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2,5-tribromobiphenyl (PBB 18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',4,5''-Tetrabromobiphenyl (PBB 49)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',5,5''-Tetrabromobiphenyl (PBB 52)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobiphenyl (3,3,5,5-) (PBB 80)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2'',4,5,5''-Pentabromobiphenyl (PBB 101)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromobiphenyl (PBB 153)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perbromobiphenyl (PBB 209)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tetrabromobisphenol A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexabromocy clododecane (HBCDD)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isocyanic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenyl Isocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexamethylene diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,4-Toluene Diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,6-Toluenediisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone Diisocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4-Methylene-bis(phenyl-isocyanate)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thiocyanate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Containing Material (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Containing Material (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos fibres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Fibres (2)	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Fibre Bundles	No Asbestos
Asbestos Fibres (3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Amosite	No Asbestos
Asbestos Type 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Type 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Description (Bulk Analysis)	soil.stones	Soil/Stone	Soil/Stones	soil.stones	Soil/Stone	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	soil.stones	soil.stones	Soil/Stone	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones	Soil/Stones
Potentially Respirable Fibres per gram	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Level Screen	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos	Asbestos level	No Asbestos
Asbestos Gravimetric & PCOM Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
Asbestos PCOM Quantification (Fibres)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
Total ACM Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
Total Detailed Gravimetric Quantification (% Asb)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
Asbestos Quantification - Total - %	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-
Synthetic/MMMF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOC	-	-	13.31	4.62	-	-	-	-	18.7	-	-	-	-	5.58	12.46	-	-	-	-	4.33	-
pH (Lab)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Natural Moisture Content	39.9	40.3	62.2	41.2	29.8	37.2	85.8	63.6	69.6	39.8	19.9	44.8	27.4	31.8	42.8	31.5	31.4	25.6	23.9	32.1	32.4
Benzo(a)pyrene (surrogate marker for PAH mixture)	0.66	0.77	0.62	0.55	0.9	0.67	0	1.21	0.76	0.28	0	3.2	0.96	3.74	6.14	1.1	0.29	1.22	3.42	0.71	0.57
Xylene Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHO TEQ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sum of PCDD/F +PCB12	-	-	12012.69	-	-	-	-	-	1575.16	-	-	-	-	1630.18	-	-	-	-	-	3772.524	-
PCDD/F+PBDD/F+PCB12 Hazard Index	-	-	0.27	-	-	-	-	-	0.03	-	-	-	-	0.03	-	-	-	-	-	0.05	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

Chem_Group	ChemName	output unit	EQL	GAC_HH_EN/IE/NI/WA_C4SL_RESI+HP_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School
					Location_Code	GTCS2-S086A	GTCS2-S087A	GTCS2-S088A	GTCS2-S089A	GTCS2-S090A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020
BARGE	Lead – total (BARGE method)	mg/kg	5			-	-	-	-	-
	Bioaccessible Lead – stomach	mg/kg	5			-	-	-	-	-
	Bioaccessible Lead – stomach and intestine	mg/kg	5			-	-	-	-	-
Bioaccessible Fraction	Bioaccessible Fraction Anthracene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction (BAF) - Lead	percent	0			-	-	-	-	-
	Bioaccessible Fraction Acenaphthene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Acenaphthylene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Benzo(a)anthracene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Benzo(a)pyrene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Benzo(ghi)perylene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Benzo(bk)fluoranthene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Chrysene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Dibenzo(ah)anthracene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Fluoranthene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Indeno(123cd)pyrene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Fluorene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Naphthalene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Phenanthrene	percent	0.1			-	-	-	-	-
	Bioaccessible Fraction Pyrene	percent	0.1			-	-	-	-	-
VOC TIC	Eucalyptol	ug/kg	100			-	-	-	-	-
	Methyl Methacrylate	ug/kg	100		4400000	-	-	-	-	-
	Undecane	ug/kg	100			-	-	-	-	-
	VOC TICs	None				-	-	-	-	-
	5-Octadecene, (E)-	mg/kg	0.1			-	-	-	-	-
Metals	Aluminium	mg/kg	50		77000	-	-	-	-	-
	Arsenic	mg/kg	0.5	37	37	-	-	-	-	-
	Barium	mg/kg	1		460	-	-	-	-	-
	Beryllium	mg/kg	0.5		1.7	-	-	-	-	-
	Boron	mg/kg	0.1		290	-	-	-	-	-
	Cadmium	mg/kg	0.1	22	22	-	-	-	-	-
	Chromium (Trivalent)	mg/kg	0.5		910	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.3	21	21	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.5		910	-	-	-	-	-
	Copper	mg/kg	1		2400	-	-	-	-	-
	Lead	mg/kg	5	200	200	125	124	68	55	102
	Mercury	mg/kg	0.1		23|40	-	-	-	-	-
	Nickel	mg/kg	0.7		130	-	-	-	-	-
	Selenium	mg/kg	1		250	-	-	-	-	-
	Vanadium	mg/kg	1		410	-	-	-	-	-
	Zinc	mg/kg	5		3700	-	-	-	-	-
	Antimony	mg/kg	1		198	-	-	-	2	-
VOCs	1,1,1,2-tetrachloroethane	ug/kg	5		6400	-	-	-	-	-
	1,1,1-trichloroethane	ug/kg	5		39000	-	-	-	-	-
	1,1,2,2-tetrachloroethane	ug/kg	3		7500	-	-	-	-	-
	1,1,2-trichloroethane	ug/kg	4		2700	-	-	-	-	-
	1,1-dichloroethane	ug/kg	6		7400	-	-	-	-	-
	1,1-dichloroethene	ug/kg	6		820	-	-	-	-	-
	1,1-dichloropropene	ug/kg	3			-	-	-	-	-
	1,2,3-trichlorobenzene	ug/kg	7		8600	-	-	-	-	-
	1,2,3-trichloropropane	ug/kg	4		5.1	-	-	-	-	-
	1,2,4-trimethylbenzene	ug/kg	6		2000	-	-	-	-	-
	1,2-dibromo-3-chloropropane	ug/kg	4		5.3	-	-	-	-	-
	1,2-dibromoethane	ug/kg	3		36	-	-	-	-	-
	1,2-dichloroethane	ug/kg	5		19	-	-	-	-	-
	1,2-dichloropropane	ug/kg	4		84	-	-	-	-	-
	1,3,5-trimethylbenzene	ug/kg	3		270000	-	-	-	-	-
	1,3-dichloropropane	ug/kg	4		1600000	-	-	-	-	-
	2,2-dichloropropane	ug/kg	4			-	-	-	-	-
	2-chlorotoluene	ug/kg	3		1600000	-	-	-	-	-
	4-chlorotoluene	ug/kg	3		1600000	-	-	-	-	-
	Benzene	ug/kg	5	870	870	-	-	-	-	-
	Bromobenzene	ug/kg	2		4700	-	-	-	-	-
	Bromochloromethane	ug/kg	4		150000	-	-	-	-	-
	Bromodichloromethane	ug/kg	4		290	-	-	-	-	-
	Bromoform	ug/kg	4		13000	-	-	-	-	-
	Bromomethane	ug/kg	1		6800	-	-	-	-	-
	Carbon tetrachloride	ug/kg	4		130	-	-	-	-	-
	Chlorobenzene	ug/kg	4		2400	-	-	-	-	-
	Chlorodibromomethane	ug/kg	5		8300	-	-	-	-	-
	Chloroethane	ug/kg	6		18000	-	-	-	-	-
	Chloroform	ug/kg	5		3400	-	-	-	-	-
	Chloromethane	ug/kg	3		13	-	-	-	-	-
	cis-1,2-dichloroethene	ug/kg	7		370	-	-	-	-	-
	cis-1,3-dichloropropene	ug/kg	4			-	-	-	-	-
	Dibromomethane	ug/kg	4		24000	-	-	-	-	-
	Dichlorodifluoromethane	ug/kg	2		87000	-	-	-	-	-
	Dichloromethane	ug/kg	30		1700	-	-	-	-	-
	Ethylbenzene	ug/kg	3		260000	-	-	-	-	-
	Isopropylbenzene	ug/kg	3		64000	-	-	-	-	-
	MTBE	ug/kg	6		160000	-	-	-	-	-
	n-butylbenzene	ug/kg	4		3900000	-	-	-	-	-
	n-propylbenzene	ug/kg	4		190000	-	-	-	-	-
	sec-butylbenzene	ug/kg	4		7800000	-	-	-	-	-
	Styrene	ug/kg	3		43000	-	-	-	-	-
	tert-butylbenzene	ug/kg	5		7800000	-	-	-	-	-
	Tetrachloroethene	ug/kg	3	1,600	1,600	-	-	-	-	-
	Toluene	ug/kg	3		660000	-	-	-	-	-
	trans-1,2-dichloroethene	ug/kg	3		700	-	-	-	-	-
	trans-1,3-dichloropropene	ug/kg	3			-	-	-	-	-
	Trichloroethene	ug/kg	5	43	43	-	-	-	-	-
	Trichlorofluoromethane	ug/kg	3		23000000	-	-	-	-	-
	Xylene (m & p)	ug/kg	4			-	-	-	-	-
	Xylene (o)	ug/kg	4		330000	-	-	-	-	-
	Vinyl chloride	ug/kg	2	17	17	-	-	-	-	-
	Carbon disulfide	mg/kg	0.003		0.62	-	-	-	-	-
SVOCs	Dibenzo[a,e]pyrene	ug/kg	100		42	-	-	-	-	-
	2-methylnaphthalene	ug/kg	10		240000	-	-	-	-	-
	4-bromophenyl phenyl ether	ug/kg	10			-	-	-	-	-
	4-chlorophenyl phenyl ether	ug/kg	10			-	-	-	-	-
	Azobenzene	ug/kg	10		5600	-	-	-	-	-
	Bis(2-chloroethoxy) methane	ug/kg	10		190000	-	-	-	-	-
	Bis(2-chloroethyl)ether	ug/kg	10		230	-	-	-	-	-
	Carbazole	ug/kg	10			-	-	-	-	-
	Dibenzofuran	ug/kg	10		78000	-	-	-	-	-
	Hexachlorobutadiene	ug/kg	4		1600	-	-	-	-	-
	Hexachlorocyclopentadiene	ug/kg	10		1800	-	-	-	-	-
	Hexachloroethane	ug/kg	10		1100	-	-	-	-	-
SVOC - Anilines	2-nitroaniline	ug/kg	10		630000	-	-	-	-	-
	3-nitroaniline	ug/kg	10			-	-	-	-	-
	4-chloroaniline	ug/kg	10		2700	-	-	-	-	-
	4-nitroaniline	ug/kg	10		27000	-	-	-	-	-
SVOC - Amino Aliphatics	N-nitrosodi-n-propylamine	ug/kg	10		78	-	-	-	-	-
SVOC - Explosives	2,4-Dinitrotoluene	ug/kg	10		7200	-	-	-	-	-
	2,6-dinitrotoluene	ug/kg	10		3900	-	-	-	-	-
	Nitrobenzene	ug/kg	10		5100	-	-	-	-	-
SVOC - Phenolics	2,4-dimethylphenol	ug/kg	10		97000	-	-	-	-	-
	2-chloronaphthalene	ug/kg	10		22000	-	-	-	-	-
	2-methylphenol	ug/kg	10		400	-	-	-	-	-
	2-nitrophenol	ug/kg	10			-	-	-	-	-
	4-chloro-3-methylphenol	ug/kg	10		6300000	-	-	-	-	-
	4-methylphenol	ug/kg	10		400	-	-	-	-	-
	4-nitrophenol	ug/kg	10			-	-	-	-	-
	Phenol	ug/kg	10		380000	-	-	-	-	-
SVOC - Halogenated Phenols	2,4,5-trichlorophenol	ug/kg	10		6300000	-	-	-	-	-
	2,4,6-trichlorophenol	ug/kg	10		49000	-	-	-	-	-
	2,4-dichlorophenol	ug/kg	10		190000	-	-	-	-	-
	2-chlorophenol	ug/kg	10		390000	-	-	-	-	-
	Pentachlorophenol	ug/kg	10		1200	-	-	-	-	-
SVOC - Halogenated Benzenes	1,2,4-trichlorobenzene	ug/kg	7		15000	-	-	-	-	-
	1,2-dichlorobenzene	ug/kg	4		130000	-	-	-	-	-
	1,3-dichlorobenzene	ug/kg	4		2300	-	-	-	-	-
	1,4-dichlorobenzene	ug/kg	4		350000	-	-	-	-	-
	Hexachlorobenzene	ug/kg	10		4900	-	-	-	-	-
Phenolics	2,4,6-Tribromophenol	mg/kg	0.1		570	-	-	-	-	-
SVOC - Phthalates	Bis(2-ethylhexyl) phthalate	ug/kg	100		1100000	-	-	-	-	-
	Butyl benzyl phthalate	ug/kg	100		7200000	-	-	-	-	-
	Diethylphthalate	ug/kg	100		570000	-	-	-	-	-
	Dimethyl phthalate	ug/kg	100		16400	-	-	-	-	-
	Di-n-butyl phthalate	ug/kg	100		67000	-	-	-	-	-
	Di-n-octyl phthalate	ug/kg	100		3100000	-	-	-	-	-
SVOC - Solvents	Isophorone	ug/kg	10		570000	-	-	-	-	-
SVOC TIC	Benzocycloheptatriene	mg/kg	0.1			-	-	-	-	-
	Dibenzo[a,e]cyclooctene	mg/kg	0.1			-	-	-	-	-
	SVOC TICs	None				-	-	-	-	-
	(3S,5R,8S)-3,8-Dimethyl-5-(prop-1-en-2-yl)-2,3,5,	ug/kg	100			-	-	-	-	-
	.alpha.-Pinene	ug/kg	100			-	-	-	-	-
	: 4-((2-Methylphenyl)diazenyl)-1H-pyrazole-3,5-diamine	ug/kg	100			-	-	-	-	-
	[1,1-Biphenyl]-4-carboxaldehyde	ug/kg	100			-	-	-	-	-
	1(2Aminobenzylidene)1234-tetrahydroacridineN-oxide	ug/kg	100			-	-	-	-	-
	1,1-Biphenyl, 2,3,3,4-tetrachloro-	ug/kg	100			-	-	-	-	-
	1,1-Biphenyl, 2,3,3,5-tetrachloro-	ug/kg	100			-	-	-	-	-
	Benzothiazole	mg/kg	0.1			-	-	-	-	-
	1,1-Biphenyl, 2,3,4,6-tetrachloro-	ug/kg	100			-	-	-	-	-
	1,2,9,10-Dibenzopyrene	ug/kg	100			-	-	-	-	-
	1,5,5-Trimethyl-6-methylene-cyclohexene	ug/kg	100			-	-	-	-	-
	1,6-Dimethylphenazine	ug/kg	100			-	-	-	-	-
	10,18-Bisnorabieta-5,7,9(10),11,13-pentaene	ug/kg	100			-	-	-	-	-
	10,18-Bisnorabieta-8,11,13-triene	ug/kg	100			-	-	-	-	-
	11H-Benzo[a]carbazole	ug/kg	100			-	-	-	-	-
	11H-Benzo[a]fluoren-11-one	ug/kg	100			-	-	-	-	-
	11H-Benzo[a]fluoren-11-one, 10-methyl-	ug/kg	100			-	-	-	-	-
	11H-Benzo[a]fluorene	ug/kg	100			-	-	-	-	-
	11H-Benzo(b)fluorene	ug/kg	100			-	-	-	-	-
	11H-Indeno(1,2-b)quinoline	ug/kg	100			-	-	-	-	-
	13-Docosenamide, (Z)-	ug/kg	100			-	-	-	-	-
	1H-Cyclopropa[l]phenanthrene,1a,9b-dihydro-	ug/kg	100			-	-	-	-	-
	1H-Inden-1-one, 2,3-dihydro-	ug/kg	100			-	-	-	-	-
	1-Methyldibenzothiophene	ug/kg	100			-	-	-	-	-
	1-Naphthalenecarboxylic acid, 2-benzoyl-	ug/kg	100			-	-	-	-	-
	2-(2H-Benzotriazol-2-yl)-5-methylphenol	ug/kg	100			-	-	-	-	-
	2-(Acetoxymethyl)-3-(methoxycarbonyl)biphenylene	ug/kg	100			-	-	-	-	-
	2,3,3,,5,6-Pentachloro-1,1-biphenyl	ug/kg	100			-	-	-	-	-
	2,3,3,6-Tetrachloro-1,1-biphenyl	ug/kg	100			-	-	-	-	-
	2,3,4,6-Tetrachloro-1,1-biphenyl	ug/kg	100			-	-	-	-	-
	2,4,6-Cycloheptatrien-1-one, 2-phenyl-	ug/kg	100			-	-	-	-	-
	2,6-Dimethyldibenzothiophene	ug/kg	100			-	-	-	-	-
	2,9-Dimethyl-2,3,4,5,6,7hexahydro-1H-2-benzazonine	ug/kg	100			-	-	-	-	-
	2-Methylchrysene	ug/kg	100			-	-	-	-	-
	2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)-	ug/kg	100			-	-	-	-	-
	3,3-Dimethylbiphenyl	ug/kg	100			-	-	-	-	-
	3,4:8,9-Dibenzopyrene	ug/kg	100			-	-	-	-	-
	3,5-Dimethoxy-4-hydroxycinnamaldehyde	ug/kg	100			-	-	-	-	-
	3-Bromo-5-ethoxy-4-hydroxybenzaldehyde	ug/kg	100			-	-	-	-	-
	4,4-Bis(tetrahydrothiopyran)	ug/kg	100			-	-	-	-	-
	4H-Cyclopenta[def]phenanthrene	ug/kg	100			-	-	-	-	-
	6H-Benz[de]anthracen-6-one	ug/kg	100			-	-	-	-	-
	7H-Benz(de)anthracen-7-one	ug/kg	100			-	-	-	-	-
	9,10-Anthracenedione	ug/kg	100		14000	-	-	-	-	-
	9,10-Anthracenedione, 2-methyl-	ug/kg	100			-	-	-	-	-
	9,10-Bis(bromomethyl)anthracene	ug/kg	100			-	-	-	-	-
	9,10-Dimethylanthracene	ug/kg	100			-	-	-	-	-
	9-Anthracenecarbonitrile	ug/kg	100			-	-	-	-	-
	9H-Fluoren-9-ol	ug/kg	100			-	-	-	-	-
	9H-Fluoren-9-one	ug/kg	100			-	-	-	-	-
	9H-Fluorene, 1-methyl-	ug/kg	100			-	-	-	-	-
	9H-Fluorene, 2-methyl-	ug/kg	100			-	-	-	-	-
	9H-Fluorene, 9-methyl-	ug/kg	100			-	-	-	-	-
	Abietic acid	ug/kg	100			-	-	-	-	-
	Alloaromadendrene	ug/kg	100			-	-	-	-	-
	Anthra(1,2-b)thiophene	ug/kg	100			-	-	-	-	-
	Anthra(2,3-b)thiophene	ug/kg	100			-	-	-	-	-
	Anthracene, 1-methyl-	ug/kg	100			-	-	-	-	-
	Anthracene, 2-ethyl-	ug/kg	100			-	-	-	-	-
	Anthracene, 2-methyl-	ug/kg	100			-	-	-	-	-
	Aromandendrene	ug/kg	100			-	-	-	-	-
	Benz(A)anthracene-7,12-dione	ug/kg	100			-	-	-	-	-
	Benz(a)anthracene-7-carbonitrile	ug/kg	100			-	-	-	-	-
	Benz[a]anthracene, 1-methyl-	ug/kg	100			-	-	-	-	-
	Benz[a]anthracene, 7-methyl-	ug/kg	100			-	-	-	-	-
	Benz[j]aceanthrylene, 3-methyl-	ug/kg	100			-	-	-	-	-

Chem_Group	ChemName	output unit	EQL	GAC_HH_EN/IE/NI/WA_C4SL_RESI+HP_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC					
					Monitoring_Zone	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School
					Location_Code	GTCS2-S086A	GTCS2-S087A	GTCS2-S088A	GTCS2-S089A	GTCS2-S090A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020
	Benzaldehyde, 4-hydroxy-3,5-dimethoxy-	ug/kg	100			-	-	-	-	-
	Benzene, (4,5,5-trimethyl-1,3-cyclopentadien-1-yl)	ug/kg	100			-	-	-	-	-
	1,1-Sulfonylbis (4-chlorobenzene)	ug/kg	100		51000	-	-	-	-	-
	Benzo[b]naphtho[1,2-d]furan	ug/kg	100			-	-	-	-	-
	Benzo(c)carbazole	ug/kg	100			-	-	-	-	-
	benzo(c)fluorene	mg/kg				-	-	-	-	-
	Benzo[b]naphtho[2,1-d]thiophene	ug/kg	100			-	-	-	-	-
	Benzo[b]naphtho[2,3-d]furan	ug/kg	100			-	-	-	-	-
	Benzo[b]naphtho[2,3-d]thiophene	ug/kg	100			-	-	-	-	-
	Benzo[b]triphenylene	ug/kg	100			-	-	-	-	-
	Benzo[c]cinnoline	ug/kg	100			-	-	-	-	-
	Benzo[c]phenanthrene	ug/kg	100			-	-	-	-	-
	Benzo(e)pyrene	ug/kg	100			-	-	-	-	-
	Benzo[ghi]fluoranthene	ug/kg	100			-	-	-	-	-
	Benzo[h]quinoline, 2,4-dimethyl-	ug/kg	100			-	-	-	-	-
	Benzo[kl]xanthene	ug/kg	100			-	-	-	-	-
	Benzoic acid, hexyl ester	ug/kg	100			-	-	-	-	-
	1,1-Biphenyl	ug/kg	100		360000	-	-	-	-	-
	Biphenylene	ug/kg	100			-	-	-	-	-
	Butylated Hydroxytoluene	ug/kg	100		150000	-	-	-	-	-
	Chrysene, 1-methyl-	ug/kg	100			-	-	-	-	-
	Chrysene, 5-methyl-	ug/kg	100			-	-	-	-	-
	Chrysene, 6-methyl-	ug/kg	100			-	-	-	-	-
	Cyclopenta(cd)pyrene, 3,4-dihydro-	ug/kg	100			-	-	-	-	-
	Cyclopenta(def)phenanthrenone	ug/kg	100			-	-	-	-	-
	Dehydroabietic acid	ug/kg	100			-	-	-	-	-
	D-Homoandrostane, (5.alpha.,13.alpha.)-	ug/kg	100			-	-	-	-	-
	Dibenz(a,e)aceanthrylene	ug/kg	100			-	-	-	-	-
	Dibenzo(a,i)pyrene	ug/kg	100			-	-	-	-	-
	Dibenzo[def,mno]chrysene	ug/kg	100			-	-	-	-	-
	Dibenzofuran, 4-methyl-	ug/kg	100			-	-	-	-	-
	Dibenzothiophene	ug/kg	100		780000	-	-	-	-	-
	Dibenzothiophene, 3-methyl-	ug/kg	100			-	-	-	-	-
	Dibenzothiophene, 4,6-dimethyl-	ug/kg	100			-	-	-	-	-
	Dicyclohexyl phthalate	ug/kg	100			-	-	-	-	-
	Diphenyl sulfide	ug/kg	100			-	-	-	-	-
	di-p-Tolylacetylene	ug/kg	100			-	-	-	-	-
	Eicosane	ug/kg	100			-	-	-	-	-
	Ferruginol	ug/kg	100			-	-	-	-	-
	Fluoranthene, 2-methyl-	ug/kg	100			-	-	-	-	-
	Fluorene, 2,4a-dihydro-	ug/kg	100			-	-	-	-	-
	Heneicosane	ug/kg	100			-	-	-	-	-
	Heptadecane	ug/kg	100			-	-	-	-	-
	Hexadecane	ug/kg	100			-	-	-	-	-
	Hexathiane	ug/kg	100			-	-	-	-	-
	Indene	ug/kg	100			-	-	-	-	-
	Indeno[1,2,3-fg]naphthacene	ug/kg	100			-	-	-	-	-
	Indole, 5-methyl-2-(4-pyridyl)-	ug/kg	100			-	-	-	-	-
	Isocil	ug/kg	100			-	-	-	-	-
	Longifolene	ug/kg	100			-	-	-	-	-
	Methyl dehydroabietate	ug/kg	100			-	-	-	-	-
	Morpholine, 4-(1-cyclohepten-1-yl)-	ug/kg	100			-	-	-	-	-
	Naphthalene, 1,4,5-trimethyl-	ug/kg	100			-	-	-	-	-
	Naphthalene, 1,4,6-trimethyl-	ug/kg	100			-	-	-	-	-
	Naphthalene, 1,6,7-trimethyl-	ug/kg	100			-	-	-	-	-
	Naphthalene, 1,6-dimethyl-	ug/kg	100			-	-	-	-	-
	Naphthalene, 1,7-dimethyl-	ug/kg	100			-	-	-	-	-
	Naphthalene, 2,3,6-trimethyl-	ug/kg	100			-	-	-	-	-
	Naphthalene, 2,3-dimethyl-	ug/kg	100			-	-	-	-	-
	Naphthalene, 2,6-dimethyl-	ug/kg	100			-	-	-	-	-
	Naphthalene, 2,7-dimethyl-	ug/kg	100			-	-	-	-	-
	Naphthalene, 2-ethyl-	ug/kg	100			-	-	-	-	-
	Naphthalene, 2-phenyl-	ug/kg	100			-	-	-	-	-
	Naphtho[1,2-b]thiophene	ug/kg	100			-	-	-	-	-
	Naphtho[2,1,8,7-klmn]xanthene	ug/kg	100			-	-	-	-	-
	Naphtho[2,1-b]thiophene	ug/kg	100			-	-	-	-	-
	n-Decanoic acid	ug/kg	100			-	-	-	-	-
	Hexadecanoic Acid	ug/kg	100			-	-	-	-	-
	Nonadecane	ug/kg	100			-	-	-	-	-
	n-Pentafluorosulfanyl-S,S-diphenoxysufilimine	ug/kg	100			-	-	-	-	-
	Octadecane	ug/kg	100			-	-	-	-	-
	Octadecanoic Acid	ug/kg	100			-	-	-	-	-
	p-Cymene	ug/kg	4			-	-	-	-	-
	Perylene	ug/kg	100			-	-	-	-	-
	Phenanthrene, 1-methyl-	ug/kg	100			-	-	-	-	-
	Phenanthrene, 2,5-dimethyl-	ug/kg	100			-	-	-	-	-
	Phenanthrene, 2-methyl-	ug/kg	100			-	-	-	-	-
	Phenanthrene, 3,6-dimethyl-	ug/kg	100			-	-	-	-	-
	Phenanthrene, 4-methyl-	ug/kg	100			-	-	-	-	-
	Phenol, 2,6-dimethoxy-	ug/kg	100			-	-	-	-	-
	Pyrene, 1,3-dimethyl-	ug/kg	100			-	-	-	-	-
	Pyrene, 1-methyl-	ug/kg	100			-	-	-	-	-
	Pyrene, 2-methyl-	ug/kg	100			-	-	-	-	-
	Quinoxaline, 6-(3-nitrobenzylidenamino)-	ug/kg	100			-	-	-	-	-
	Retene	ug/kg	100			-	-	-	-	-
	Rubicene-	ug/kg	100			-	-	-	-	-
	Tetrachloro-o-benzoquinone	ug/kg	100			-	-	-	-	-
	Tetracosane	ug/kg	100			-	-	-	-	-
	Tetradecanoic acid	ug/kg	100			-	-	-	-	-
	trans-1,2-Bis(methyldichlorosilyl)ethylene	ug/kg	100			-	-	-	-	-
	4b,10b-Dihydro-4b,10b-methanochrysene	mg/kg	0.1			-	-	-	-	-
	Triphenylene	ug/kg	100			-	-	-	-	-
	Triphenylene, 2-methyl-	ug/kg	100			-	-	-	-	-
	(+)-Cyclosativene	ug/kg	100			-	-	-	-	-
	Longicyclene	ug/kg	100			-	-	-	-	-
	(1aS,4S,7bR)-1,1,4,7-tetramethyl-1a,2,3,4,4a,5,6,7b-octahydrocyclopropa[e]azulene	ug/kg	100			-	-	-	-	-
	Calarene	ug/kg	100			-	-	-	-	-
	Totarol	ug/kg	100			-	-	-	-	-
	4,7-Methanoazulene, 1,2,3,4,5,6,7,8-octahydro-1,4,9,9-tetramethyl-, (1S,4R,7R)-	ug/kg	100			-	-	-	-	-
	12-Hydroxyabieta-8,11,13-trien-7-one	ug/kg	100			-	-	-	-	-
	Cyclobuta[1,2:3,4:3,4:3,4]dicyclobuta[1,2:1,2]dibenzene, 4b,4c,8b,8c-tetrahydro-	ug/kg	100			-	-	-	-	-
	Cyclodecacyclododecene, 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18-octadecahydro-	ug/kg	100			-	-	-	-	-
	Propanamide	ug/kg	100			-	-	-	-	-
	3,5,6-Trimethyl-p-quinone, 2-(2,5-dioxotetrahydrofuran-3-yl)thio-	ug/kg	100			-	-	-	-	-
	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	ug/kg	100			-	-	-	-	-
	Benz[d]isoxazol-4(5H)-one, 6,7-dihydro-3-methyl-6-phenyl-, oxime	ug/kg	100			-	-	-	-	-
	Benzo(b)naphtho(1,2-d)furan	ug/kg	100			-	-	-	-	-
	Cyclic octaatomic sulfur	mg/kg	0.1			-	-	-	-	-
	2-Methyldiphenylsulfone	ug/kg	100			-	-	-	-	-
	p-Benzoquinone, 2-hydroxy-5-(phenylthio)-	ug/kg	100			-	-	-	-	-
	Trioctylphosphine	ug/kg	100			-	-	-	-	-
	Naphtho(2,1,8-def)quinoline	ug/kg	100			-	-	-	-	-
	Naphthalene, 1,5-dimethyl-	mg/kg	0.1			-	-	-	-	-
	Naphthalene, 1,3-dimethyl-	mg/kg	0.1			-	-	-	-	-
	Anthracene, 9-(2-propenyl)-	mg/kg	0.1			-	-	-	-	-
	Pyrene, 4-methyl-	mg/kg	0.1			-	-	-	-	-
	Cyclohexane, hexaethylidene-	mg/kg	0.1			-	-	-	-	-
	Anthracene, 9-methyl-	mg/kg	0.1			-	-	-	-	-
	9-Octadecenoic acid, (E)-	ug/kg	100			-	-	-	-	-
	Heptadecane, 9-octyl-	ug/kg	100			-	-	-	-	-
	Benzenesulfinic acid, 4-chloro-	ug/kg	100			-	-	-	-	-
PAH	Acenaphthene	mg/kg	0.05		1100	<0.05	<0.05	<0.05	<0.05	<0.05
	Acenaphthylene	mg/kg	0.03		920	0.12	0.12	0.14	0.11	0.16
	Anthracene	mg/kg	0.04		11000	0.18	0.17	0.16	0.34	0.23
	Benz(a)anthracene	mg/kg	0.06		13	0.63	0.89	0.51	1.21	0.8
	Benzo(a) pyrene	mg/kg	0.04	5		0.78	1.04	0.65	1.08	0.93
	Benzo(b)fluoranthene	mg/kg	0.05		3.7	1.07	1.35	0.88	1.53	1.29
	Benzo(b)&(k)fluoranthene	mg/kg	0.07			1.48	1.88	1.22	2.13	1.79
	Benzo(g,h,i)perylene	mg/kg	0.04		350	0.62	0.77	0.52	0.74	0.76
	Benzo(k)fluoranthene	mg/kg	0.02		100	0.41	0.53	0.34	0.6	0.5
	Chrysene	mg/kg	0.02		27	0.71	0.92	0.56	1.25	0.92
	Coronene	mg/kg	0.04			-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.04		0.3	0.11	0.12	0.09	0.17	0.15
	Fluoranthene	mg/kg	0.03		890	1.3	1.6	0.86	3	1.54
	Fluorene	mg/kg	0.04		860	<0.04	<0.04	<0.04	<0.04	<0.04
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.04		41	0.6	0.76	0.51	0.83	0.77
	Naphthalene	mg/kg	0.04		13	<0.04	0.06	<0.04	<0.04	0.06
	Phenanthrene	mg/kg	0.03		440	0.39	0.53	0.24	1.17	0.42
	Pyrene	mg/kg	0.03		2000	1.16	1.53	0.8	2.38	1.46
	PAH 16 Total	mg/kg	0.6			8.1	10.4	6.3	14.4	10
	PAH 17 Total	mg/kg	0.64			-	-	-	-	-
	PAH 4 SUM Lower	mg/kg				-	-	-	-	-
	PAH 4 SUM Upper	mg/kg				-	-	-	-	-
	Benzo(j)fluoranthene	mg/kg			0.42	-	-	-	-	-
PCB (Dutch 7) congeners	PCB 28	ug/kg	5			-	-	-	-	-
	PCB 52	ug/kg	5			-	-	-	-	-
	PCB 101	ug/kg	5			-	-	-	-	-
	PCB 118	ug/kg	5		120	-	-	-	-	-
	PCB 138	ug/kg	5			-	-	-	-	-
	PCB 153	ug/kg	5			-	-	-	-	-
	PCB 180	ug/kg	5			-	-	-	-	-
	Total PCB 7 Congeners	ug/kg	35		200	-	-	-	-	-
PCB (WHO12) 12 congeners	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	ug/kg	5		38	-	-	-	0.0312	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	ug/kg	5		12	-	-	-	0.00106	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	ug/kg	5		120	-	-	-	0.301	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	ug/kg	5		120	-	-	-	0.0119	-
	Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	ug/kg	5		120	-	-	-	0.756	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	ug/kg	5		120	-	-	-	0.00577	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	ug/kg	5		0.036	-	-	-	0.00526	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	ug/kg	5		120	-	-	-	0.105	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	ug/kg	5		120	-	-	-	0.0245	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	ug/kg	5		120	-	-	-	0.042	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	ug/kg	5		0.12	-	-	-	0.000317	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	ug/kg	5		130	-	-	-	0.00819	-
	Total PCB WHO 12	ug/kg	60			-	-	-	-	-
Chlorinated Dioxins and Furans	2378-TCDF	ng/kg				-	-	-	3.22	-
	12378-PeCDD	ng/kg				-	-	-	0.271	-
	123478-HxCDD	ng/kg				-	-	-	<DL	-
	123678-HxCDD	ng/kg				-	-	-	<DL	-
	123789 HxCDD	ng/kg				-	-	-	<DL	-
	1234678-HpCDD	ng/kg				-	-	-	17.6	-
	OCDD	ng/kg				-	-	-	112	-
	TEQ(1) (NATO)	ng/kg				-	-	-	1.64	-
	TEQ(2) (NATO)	ng/kg				-	-	-	1.35	-
	OCDF	ng/kg				-	-	-	8.08	-
	2378-TCDD	ng/kg				-	-	-	<DL	-
	12378-PeCDF	ng/kg				-	-	-	0.719	-
	23478-PeCDF	ng/kg				-	-	-	0.672	-
	123478-HxCDF	ng/kg				-	-	-	<DL	-
	123678-HxCDF	ng/kg				-	-	-	0.765	-
	234678-HxCDF	ng/kg				-	-	-	0.788	-
	123789-HxCDF	ng/kg				-	-	-	<DL	-
	1234678-HpCDF	ng/kg				-	-	-	6.85	-
	1234789-HpCDF	ng/kg				-	-	-	<DL	-
Brominated Dioxins and Furans	2378-TBDD	ng/kg				-	-	-	<DL	-
	12378-PBDD	ng/kg				-	-	-	<DL	-
	123478-HxBDD	ng/kg				-	-	-	<DL	-
	123678-HxBDD	ng/kg				-	-	-	<DL	-
	123789-HxBDD	ng/kg				-	-	-	<DL	-
	1234678-HpBDD	ng/kg				-	-	-	<DL	-
	OBDD	ng/kg				-	-	-	<DL	-
	2378-TBDF	ng/kg				-	-	-	0.6	-
	12378-PBDF	ng/kg				-	-	-	<DL	-
	23478-PBDF	ng/kg				-	-	-	<DL	-
	123478-HxBDF	ng/kg				-	-	-	<DL	-
	123678-HxBDF	ng/kg				-	-	-	<DL	-
	234678-HxBDF	ng/kg				-	-	-	<DL	-
	123789-HxBDF	ng/kg				-	-	-	<DL	-
	1234678-HpBDF	ng/kg				-	-	-	<DL	-
	1234789-HpBDF	ng/kg				-	-	-	<DL	-
	OBDF	ng/kg				-	-	-	<DL	-
Organophosphorous flame retardants	Triphenylphosphate	mg/kg				-	-	-	-	-
	Tris(1-chloro-2-propyl)phosphate	mg/kg			630	-	-	-	-	-
	Tris(2-ethylhexyl) phosphate	mg/kg			170	-	-	-	-	-
Brominated flame retardents (PBDEs)	2,2'',4-tribromodiphenyl ether (BDE-17)	mg/kg				-	-	-	-	-
	2,4,4''-tribromodiphenyl ether (BDE-28)	mg/kg				-	-	-	-	-
	2,2'',4,4''-tetrabromodiphenyl ether (BDE-47)	mg/kg			6.3	-	-	-	-	-
	2,3'',4,4''-tetrabromodiphenyl ether (BDE-66)	mg/kg				-	-	-	-	-
	2,2'',3,4,4''-pentabromodiphenyl ether (BDE-85)	mg/kg				-	-	-	-	-
	2,2'',4,4'',5-pentabromodiphenyl ether (BDE-99)	mg/kg			6.3	-	-	-	-	-

					Monitoring_Zone	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School	9. Oxford Gardens Primary School
					Location_Code	GTCS2-S086A	GTCS2-S087A	GTCS2-S088A	GTCS2-S089A	GTCS2-S090A
					Sample_Depth_Range	0-0.02	0-0.02	0-0.02	0-0.02	0-0.02
					Sampled_Date_Time	30/10/2020	30/10/2020	30/10/2020	30/10/2020	30/10/2020
Chem_Group	ChemName	output unit	EQL	GAC_HH_EN/IE/NI/WA_C4SL_RESI+HP_>3.48%TOC	GAC_HH_RES+PL_SLOAM_>3.48%TOC					
	2,2'',4,4'',6-pentabromodiphenyl ether (BDE-100)	mg/kg				-	-	-	-	-
	2,2'',3,4,4'',5''-hexabromodiphenyl ether(BDE-138)	mg/kg				-	-	-	-	-
	2,2'',4,4'',5,5''-hexabromodiphenyl ether(BDE-153)	mg/kg			13	-	-	-	-	-
	2,2'',4,4'',5,6''-hexabromodiphenyl ether(BDE-154)	mg/kg				-	-	-	-	-
	2,2,3,4,4,5,6-heptabromodiphenyl ether (BDE-183)	mg/kg				-	-	-	-	-
Polybrominated biphenyls (PBBs)	2,2-dibromobiphenyl (PBB 4)	mg/kg				-	-	-	-	-
	4,4-dibromobiphenyl (PBB 15)	mg/kg				-	-	-	-	-
	2,2,5-tribromobiphenyl (PBB 18)	mg/kg				-	-	-	-	-
	2,2'',4,5''-Tetrabromobiphenyl (PBB 49)	µg/kg				-	-	-	-	-
	2,2'',5,5''-Tetrabromobiphenyl (PBB 52)	µg/kg				-	-	-	-	-
	tetrabromobiphenyl (3,3,5,5-) (PBB 80)	mg/kg				-	-	-	-	-
	2,2'',4,5,5''-Pentabromobiphenyl (PBB 101)	µg/kg				-	-	-	-	-
	Hexabromobiphenyl (PBB 153)	mg/kg				-	-	-	-	-
	Perbromobiphenyl (PBB 209)	µg/kg				-	-	-	-	-
Tetrabromobisphenol A	tetrabromobisphenol A	mg/kg				-	-	-	-	-
Hexabromocyclododecane (HBCDD)	Hexabromocy clododecane (HBCDD)	mg/kg				-	-	-	-	-
Isocyanates	Isocyanic Acid	ug/kg	250			-	-	-	-	-
	Methyl Isocyanate	ug/kg	250		4600	-	-	-	-	-
	Ethyl Isocyanate	ug/kg	250			-	-	-	-	-
	Propyl Isocyanate	ug/kg	250			-	-	-	-	-
	Phenyl Isocyanate	ug/kg	250			-	-	-	-	-
	Hexamethylene diisocyanate	ug/kg	250		3100	-	-	-	-	-
	2,4-Toluene Diisocyanate	ug/kg	250		6400	-	-	-	-	-
	2,6-Toluenediisocyanate	ug/kg	250		5300	-	-	-	-	-
	Isophorone Diisocyanate	ug/kg	500			-	-	-	-	-
	4,4-Methylene-bis(phenyl-isocyanate)	ug/kg	250		850000000	-	-	-	-	-
Cyanides	Cyanide (Free)	mg/kg	0.5		20	-	-	-	-	-
	Cyanide Total	mg/kg	0.5		23	-	-	-	-	-
	Thiocyanate	mg/kg	0.6		20	-	-	-	-	-
Asbestos	Asbestos Level	None				-	-	-	-	-
	Asbestos Containing Material	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Containing Material (2)	None				-	-	-	-	-
	Asbestos Containing Material (3)	None				-	-	-	-	-
	Asbestos fibres	None				-	-	-	-	-
	Asbestos Fibres (2)	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Fibres (3)	None				-	-	-	-	-
	Asbestos Type	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
	Asbestos Type 2	None				-	-	-	-	-
	Asbestos Type 3	None				-	-	-	-	-
	General Description (Bulk Analysis)	None				soil.stones	Soil/Stones	soil.stones	Soil/Stones	Soil/Stone
	Potentially Respirable Fibres per gram	None	0			-	-	-	-	-
	Asbestos Level Screen	None				No Asbestos	No Asbestos	No Asbestos	No Asbestos	No Asbestos
Asbestos Quantification	Asbestos Gravimetric & PCOM Total	mass %	0.001			-	-	-	-	-
	Asbestos PCOM Quantification (Fibres)	mass %	0.001			-	-	-	-	-
	Total ACM Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-
	Total Detailed Gravimetric Quantification (% Asb)	mass %	0.001			-	-	-	-	-
	Asbestos Quantification - Total - %	mass %	0.001			-	-	-	-	-
SVF / MMMF	Synthetic/MMMF	None				-	-	-	-	-
Total Organic Carbon	TOC	percent	0.02			-	-	-	24.62	6.35
Inorganics	pH (Lab)	pH units	0.01			-	-	-	-	-
Other	Natural Moisture Content	percent	0.1			50.8	51.4	74.6	112.6	45.6
ESdat Calculated	Benzo(a)pyrene (surrogate marker for PAH mixture)	mg/kg			5	0.78	1.04	0.65	1.08	0.93
	Xylene Total	ug/kg			310000	-	-	-	-	-
	Trichlorobenzene (total)	ug/kg			2200	-	-	-	-	-
AECOM Calculated	WHO TEQ	ng/kg				-	-	-	-	-
AECOM Calculated	Sum of PCDD/F +PCB12	ng/kg	Vario		8,700	-	-	-	1446.152	-
	PCDD/F+PBDD/F+PCB12 Hazard Index	-	-		1	-	-	-	0.02	-

Comments
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
 - : Not analysed
HH: Human Health

Appendix J – Asbestos Assessment

Asbestos

Asbestos exposure principally occurs when dry material containing asbestos is disturbed such that asbestos fibres are released into the air and the airborne fibres are breathed in. There are various estimates for airborne dust concentrations that can arise from wind blowing across the ground surface, and that can arise from more localised physical disturbance of soil. The Environment Agency's CLEA methodology (Environment Agency, 2009) identifies a range of average outdoor ambient air dust concentrations for different land-uses, based on land cover and land area. The authors of CIRIA C733 (Nathanail, et al., 2014) proposed a reasonable worst-case localised airborne dust concentration resulting from activity such as gardening (but also applicable to children playing with soil). These estimates are summarised in the table below.

Estimates for Ambient Air Dust Concentrations

Scenario/land-use	Ambient Air Dust Concentration (PM10)
Residential land-use	0.4 µg/m^3
Commercial land-use	12 µg/m^3
Public open space in residential areas	4 µg/m^3
Public open space - parks	8.5 µg/m^3
Gardening	100 µg/m^3

A cautious estimate of the potential airborne asbestos concentration associated with such dust levels can be made using laboratory research published by the Institute of Occupational Medicine (Addison, et al., 1988). The average normalised airborne asbestos fibre to dust concentration in the dust experiments were:

- For asbestos in soil concentrations of 0.001%wt/wt:

  0.01 f/ml asbestos per mg/m^3 dust for chrysotile (values ranged from 0.01-0.02 between different soil types).

  0.03 f/ml asbestos per mg/m^3 for amosite (values ranged from 0.01-0.04 between different soil types).

- For asbestos in soil concentrations of 0.01%wt/wt:

  0.04 f/ml asbestos per mg/m^3 dust for chrysotile (values ranged from 0.02-0.06 between different soil types).

  0.07 f/ml asbestos per mg/m^3 for amosite (values ranged from 0.02-0.15 between different soil types).

Crocidolite fibres have been detected in a small number of samples alongside fibres of chrysotile and/or amosite, and it is expected that the crocidolite is present as a result of being a minor constituent or cross-contaminant of the original asbestos containing material (ACM). Consequently, the reported asbestos concentrations in the samples are interpreted to be indicative of the chrysotile or amosite concentration and not that of crocidolite. Calculations for crocidolite have not been done on this basis.

Taking the residential land-use ambient dust concentration of 0.4µg/m^3 and the localised dust concentration of 100µg/m^3 for gardening/playing, cautious estimates of airborne asbestos concentrations can be made as follows the table below.

Cautious estimates of asbestos ambient air concentrations

Soil Concentration	Residential land-use	Gardening/Playing	Comparison with Dutch Study (Swartjes & Tromp, 2008) Estimates$^+$
Chrysotile 0.001%wt/wt	0.000004f/ml	0.001f/ml	0.000015-0.00035f/ml
Amosite 0.001%wt/wt	0.000012f/ml	0.003f/ml	0.000015-0.00035f/ml
Chrysotile 0.01% wt/wt	0.000016f/ml	0.004f/ml	0.0001-0.0015f/ml
Amosite 0.01%wt/wt	0.000028f/ml	0.007f/ml	0.0001-0.0015f/ml

[+] These estimates are based on different laboratory experiments and field monitoring of activities that are different to those based on the CLEA/CIRIA/IOM data. SoBRA has published a calculation tool (Cole, et al., 2021) that can be used to calculate risk estimates based on predicted or measured ambient air concentrations and this tool has been used to perform the calculations detailed below. In addition to the ambient air concentration, the tool requires the age of the people breathing in the air, and the hours per day, days per year, and number of years those people might breathe in that air.

The CIRIA garden dust estimate is based on very dry soil conditions and the authors of that guidance provide an example based on a previous investigation in the UK that very dry conditions might persist for on average 90 days per year, noting that UK summer weather is characteristically variable year on year. This is considered to be a reasonable assumption on that basis – noting that days of very dry and dusty conditions are not the same as days without rain. For the CLEA residential area average it is appropriate to conservatively assume 365 days per year. The SoBRA model reports are appended and the risk estimates (likelihood of developing and dying of asbestos disease) are summarised in the table below.

Health Risk Estimates

Scenario	Risk for chrysotile at 0.001%wt/wt in soil	Risk for chrysotile at 0.01%wt/wt in soil	Risk for amosite at 0.001%wt/wt in soil	Risk for amosite at 0.01%wt/wt in soil
Gardening/playing – exposure for 6 years[1] as a young child	1.3×10^{-8}	5.12×10^{-8}	3.9×10^{-6}	9.0×10^{-6}
Gardening/playing - exposure through adulthood	1.4×10^{-8}	5.9×10^{-8}	4.0×10^{-6}	9.6×10^{-6}
Ambient air exposure – 6 years continuous exposure as a young child	5.1×10^{-11}	2.0×10^{-10}	1.5×10^{-8}	3.6×10^{-8}
Ambient air exposure – through adulthood	2.0×10^{-10}	8.1×10^{-10}	5.9×10^{-8}	1.4×10^{-7}

Note: 1×10^{-6} is a one in a million risk, 1×10^{-8} is a one in a billion risk

In summary, as noted in **Section 6.7, Table 20**, nine reported concentrations of asbestos in soil equalled or exceeded the GSC (Dutch Tier 2 values). No reported concentrations exceed 0.01%wt/wt for dispersed loose fibres (the form of asbestos soil contamination assessed by Addison et al). Average soil concentrations of asbestos are therefore expected to pose a very low risk to health from ambient airborne exposure. Ad hoc higher exposure (such as from gardening or playing) is similarly expected to pose a low to very low risk to health - with exposure to chrysotile posing a lower risk than to amosite. Although typical background concentrations are not available, asbestos is known to be present in urban soils and there is no robust evidence that the range of concentrations identified in the soil samples is specifically higher than typical urban conditions. The highest reported soil concentrations are from samples taken beneath areas of turf, and very low levels of fibre bundles have been detected in soil samples from raised beds where periodic soil replenishment is undertaken. Whilst the deposition of dust and debris from the fire is less likely to be the cause of the higher concentrations detected beneath areas of turf, it cannot be ruled out that the very low concentrations detected in raised beds may in part be the result of the fire.

[1] 6 years exposure from birth is considered the critical (most sensitive) period of exposure in the CLEA methodology

Appendix J – CLEA Model for Chloromethane GAC Derivation

CLEA Software Version 1.071

Report generated	23/04/2021
Report title	Chloromethane GAC
Created by	AECOM

BASIC SETTINGS

Land Use	Residential with produce (C4SL)						
Building	Small terraced house						
Receptor	Female (res C4SL)	Start age class	1	End age class	6	Exposure Duration	6 years
Soil	Sandy loam						

Exposure Pathways

Direct soil and dust ingestion	✓	Dermal contact with indoor dust	✓	Inhalation of indoor dust	✓
Consumption of homegrown produce	✓	Dermal contact with soil	✓	Inhalation of soil dust	✓
Soil attached to homegrown produce	✓			Inhalation of indoor vapour	✓
				Inhalation of outdoor vapour	✓

Land Use Residential with produce (C4SL) **Receptor** Female (res C4SL)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	180	180	180	170	365	365	23.0	1.0	0.06	0.10	0.10	5.60	0.7	5.4	0.32	0.26	3.43E-01
2	365	365	365	170	365	365	23.0	1.0	0.06	0.10	0.10	9.80	0.8	8.0	0.33	0.26	4.84E-01
3	365	365	365	170	365	365	23.0	1.0	0.06	0.10	0.10	12.70	0.9	8.9	0.32	0.25	5.82E-01
4	365	365	365	170	365	365	23.0	1.0	0.06	0.10	0.10	15.10	0.9	10.1	0.35	0.28	6.36E-01
5	365	365	365	170	365	365	19.0	1.0	0.06	0.10	0.10	16.90	1.0	10.1	0.35	0.28	7.04E-01
6	365	365	365	170	365	365	19.0	1.0	0.06	0.10	0.10	19.70	1.1	10.1	0.33	0.26	7.94E-01
7	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	22.10	1.2	12.0	0.22	0.15	8.73E-01
8	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	25.30	1.2	12.0	0.22	0.15	9.36E-01
9	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	27.50	1.3	12.0	0.22	0.15	1.01E+00
10	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	31.40	1.3	12.0	0.22	0.15	1.08E+00
11	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	35.70	1.4	12.0	0.22	0.14	1.19E+00
12	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	41.30	1.4	15.2	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	15.2	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	15.2	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	15.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	15.2	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	15.7	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	13.6	0.33	0.27	1.80E+00

Consumption Rates

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

	MEAN RATES						90TH PERCENTILE RATES					
Age Class	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1							7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2							6.85E+00	3.30E+00	5.46E+00	3.96E+00	5.40E-01	1.20E+01
3							6.85E+00	3.30E+00	5.46E+00	3.96E+00	5.40E-01	1.20E+01
4							6.85E+00	3.30E+00	5.46E+00	3.96E+00	5.40E-01	1.20E+01
5							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
6							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
7							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
8							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
9							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
10							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
11							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
12							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
13							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
14							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
15							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
16							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
17							2.94E+00	1.40E+00	1.79E+00	1.61E+00	2.20E-01	2.97E+00
18							2.94E+00	1.40E+00	1.79E+00	1.61E+00	2.20E-01	2.97E+00

Top 2 applied? No

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building Small terraced house

Soil Sandy loam

Building footprint (m^2)	2.80E+01
Living space air exchange rate (hr^{-1})	5.00E-01
Living space height (above ground, m)	4.80E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	3.10E+00
Foundation thickness (m)	1.50E-01
Floor crack area (cm^2)	4.23E+02
Dust loading factor (µg m^{-3})	5.00E+01

Porosity, Total (cm^3 cm^{-3})	5.30E-01
Porosity, Air-Filled (cm^3 cm^{-3})	2.00E-01
Porosity, Water-Filled (cm^3 cm^{-3})	3.30E-01
Residual soil water content (cm^3 cm^{-3})	1.20E-01
Saturated hydraulic conductivity (cm s^{-1})	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density (g cm^{-3})	1.21E+00
Threshold value of wind speed at 10m (m s^{-1})	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon (g g^{-1})	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	65
Default soil gas ingress rate?	Yes
Soil gas ingress rate ($cm^3\ s^{-1}$)	2.50E+01
Building ventilation rate ($cm^3\ s^{-1}$)	1.87E+04
Averaging time surface emissions (yr)	6
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)	5.00
Air dispersion factor at height of 0.8m *	2400.00
Air dispersion factor at height of 1.6m *	0.00
Fraction of site cover ($m^2\ m^{-2}$)	0.75

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction		Soil loading factor	Preparation correction factor
		Average	High		
	g DW g^{-1} FW	dimensionless		g g^{-1} DW	dimensionless
Green vegetables	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	0.103	0.06	0.40	1.00E-03	1.00E+00
Tuber vegetables	0.210	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	0.058	0.06	0.40	1.00E-03	6.00E-01
Shrub fruit	0.166	0.09	0.60	1.00E-03	6.00E-01
Tree fruit	0.157	0.04	0.27	1.00E-03	6.00E-01

Gardener type Average

CLEA Software Version 1.071

Report generated	23-Apr-21
Report title	Chloromethane GAC (excl. indoor vapour)
Created by	AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Chloromethane	NR	7.77E+00	NR	NR	1.00	NR	2.99E+03 (sol)	No	Yes	No	0	0	0	0	0	0
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group						
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Chloromethane	43.1	48.9	8.0	100.0	7.77E+00	3.77E+03	3.88E+00	3.31E-09	0.00E+00	NA	9.41E-05	0.00E+00	7.70E+00	3.05E+01	1.12E+01	0.00E+00	0.00E+00	1.26E+01
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Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Chloromethane	5.76E-05	1.28E-02	2.57E-06	1.28E-07	2.78E-06	0.00E+00	1.29E-02	0.22	49.75	0.01	0.00	0.00	0.01	0.00	50.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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Environment Agency

		Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Chloromethane	NR	0	TDI	25.7	0	212	2.71E-01	1.28E-05	9.70E-10	0.84	0.91	0.1	0.5	1	1	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3 g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Chloromethane	2.41E-01	3.31E+05	5.35E+03	Model	Model	Model	Model	Model	Model
2										
3										
4										
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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CLEA Software Version 1.071

Report generated	23/04/2021
Report title	Chloromethane GAC (excl. indoor vapour)
Created by	AECOM

BASIC SETTINGS

Land Use	Residential with produce (C4SL)						
Building	Small terraced house						
Receptor	Female (res C4SL)	Start age class	1	End age class	6	Exposure Duration	6 years
Soil	Sandy loam						

Exposure Pathways

Direct soil and dust ingestion	✓	Dermal contact with indoor dust	✓	Inhalation of indoor dust	✓
Consumption of homegrown produce	✓	Dermal contact with soil	✓	Inhalation of soil dust	✓
Soil attached to homegrown produce	✓			Inhalation of indoor vapour	✗
				Inhalation of outdoor vapour	✓

Land Use Residential with produce (C4SL) **Receptor** Female (res C4SL)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	180	180	180	170	365	365	23.0	1.0	0.06	0.10	0.10	5.60	0.7	5.4	0.32	0.26	3.43E-01
2	365	365	365	170	365	365	23.0	1.0	0.06	0.10	0.10	9.80	0.8	8.0	0.33	0.26	4.84E-01
3	365	365	365	170	365	365	23.0	1.0	0.06	0.10	0.10	12.70	0.9	8.9	0.32	0.25	5.82E-01
4	365	365	365	170	365	365	23.0	1.0	0.06	0.10	0.10	15.10	0.9	10.1	0.35	0.28	6.36E-01
5	365	365	365	170	365	365	19.0	1.0	0.06	0.10	0.10	16.90	1.0	10.1	0.35	0.28	7.04E-01
6	365	365	365	170	365	365	19.0	1.0	0.06	0.10	0.10	19.70	1.1	10.1	0.33	0.26	7.94E-01
7	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	22.10	1.2	12.0	0.22	0.15	8.73E-01
8	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	25.30	1.2	12.0	0.22	0.15	9.36E-01
9	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	27.50	1.3	12.0	0.22	0.15	1.01E+00
10	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	31.40	1.3	12.0	0.22	0.15	1.08E+00
11	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	35.70	1.4	12.0	0.22	0.14	1.19E+00
12	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	41.30	1.4	15.2	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	15.2	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	15.2	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	15.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	15.2	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	15.7	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	13.6	0.33	0.27	1.80E+00

Consumption Rates

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

	MEAN RATES						90TH PERCENTILE RATES					
Age Class	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1							7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2							6.85E+00	3.30E+00	5.46E+00	3.96E+00	5.40E-01	1.20E+01
3							6.85E+00	3.30E+00	5.46E+00	3.96E+00	5.40E-01	1.20E+01
4							6.85E+00	3.30E+00	5.46E+00	3.96E+00	5.40E-01	1.20E+01
5							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
6							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
7							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
8							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
9							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
10							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
11							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
12							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
13							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
14							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
15							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
16							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
17							2.94E+00	1.40E+00	1.79E+00	1.61E+00	2.20E-01	2.97E+00
18							2.94E+00	1.40E+00	1.79E+00	1.61E+00	2.20E-01	2.97E+00

Top 2 applied? No

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building Small terraced house

Soil Sandy loam

Building footprint (m^2)	2.80E+01
Living space air exchange rate (hr^{-1})	5.00E-01
Living space height (above ground, m)	4.80E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	3.10E+00
Foundation thickness (m)	1.50E-01
Floor crack area (cm^2)	4.23E+02
Dust loading factor (µg m^{-3})	5.00E+01

Porosity, Total (cm^3 cm^{-3})	5.30E-01
Porosity, Air-Filled (cm^3 cm^{-3})	2.00E-01
Porosity, Water-Filled (cm^3 cm^{-3})	3.30E-01
Residual soil water content (cm^3 cm^{-3})	1.20E-01
Saturated hydraulic conductivity (cm s^{-1})	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density (g cm^{-3})	1.21E+00
Threshold value of wind speed at 10m (m s^{-1})	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon (g g^{-1})	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	65
Default soil gas ingress rate?	Yes
Soil gas ingress rate ($cm^3\ s^{-1}$)	2.50E+01
Building ventilation rate ($cm^3\ s^{-1}$)	1.87E+04
Averaging time surface emissions (yr)	6
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)	5.00
Air dispersion factor at height of 0.8m *	2400.00
Air dispersion factor at height of 1.6m *	0.00
Fraction of site cover ($m^2\ m^{-2}$)	0.75

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction		Soil loading factor	Preparation correction factor
		Average	High		
	g DW g^{-1} FW	dimensionless		g g^{-1} DW	dimensionless
Green vegetables	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	0.103	0.06	0.40	1.00E-03	1.00E+00
Tuber vegetables	0.210	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	0.058	0.06	0.40	1.00E-03	6.00E-01
Shrub fruit	0.166	0.09	0.60	1.00E-03	6.00E-01
Tree fruit	0.157	0.04	0.27	1.00E-03	6.00E-01

Gardener type Average

CLEA Software Version 1.071

Report generated	23-Apr-21
Report title	Chloromethane GAC (excl. indoor vapour)
Created by	AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Chloromethane	NR	7.77E+00	NR	NR	1.00	NR	2.99E+03 (sol)	No	Yes	No	0	0	0	0	0	0
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group						
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Chloromethane	43.1	48.9	8.0	100.0	7.77E+00	3.77E+03	3.88E+00	3.31E-09	0.00E+00	NA	9.41E-05	0.00E+00	7.70E+00	3.05E+01	1.12E+01	0.00E+00	0.00E+00	1.26E+01
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Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Chloromethane	5.76E-05	1.28E-02	2.57E-06	1.28E-07	2.78E-06	0.00E+00	1.29E-02	0.22	49.75	0.01	0.00	0.00	0.01	0.00	50.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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Environment Agency

		Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Chloromethane	NR	0	TDI	25.7	0	212	2.71E-01	1.28E-05	9.70E-10	0.84	0.91	0.1	0.5	1	1	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3 g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Chloromethane	2.41E-01	3.31E+05	5.35E+03	Model	Model	Model	Model	Model	Model
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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Derivation of Schools Generic Screening Criteria

This appendix sets out the derivation of the generic screening criteria (GSC) for schools that have been developed for lead and benzo(a)pyrene. The purpose of these GSC is to permit the reliable screening of soil concentration data attributable to soil samples taken from schools as part of the Stage 2 Investigation. Paragraph 3.30 of the Statutory Guidance for Part 2A permits the development of GSC to help assessors decide when land might be assumed to be in Category 4, i.e. decide when land can be excluded from the need for further inspection or assessment, and the GSC detailed below are designed specifically for this purpose. Existing published exposure model assumptions and parameter values have been used where possible, and reasonable (precautionary) assumptions have been made where land-use scenario-specific assumptions are required. These land-use scenario-specific assumptions are based on reasonable estimates rather than the extensive research undertaken by the Environment Agency in the development of the CLEA methodology (Environment Agency, 2009) and associated Soil Guideline Values, and that undertaken by the CL:AIRE consortium in the development of the Category 4 Screening Levels (CL:AIRE, 2014). The exposure assumptions and GSC set out below therefore do not constitute a definitive exposure model for schools but do constitute a set of assumptions and GSC that are protective of human health consistent with the definition of Category 4.

Exposure Model

The generic exposure pathways considered relevant to generic school land-use scenario are detailed below and are based on the generic pathways considered in the CLEA and C4SL methodologies. The generic land-use is designed to be relevant to primary schools and secondary schools/colleges, and therefore exposure assumptions have been selected that are protective of the most sensitive receptor (i.e. the youngest children attending primary school).

Table 1. Generic Exposure Pathways

Exposure Pathway	Include?	Reasoning
Direct ingestion of soil (outdoors) and dust derived from soil (indoors)	Yes	This is relevant to children playing outside in play areas and playing fields where there is bare soil or grassed cover as it is for playing in public open spaces and residential gardens, and it is reasonable to assume that tracked back soil into school buildings will apply as it does for residential and commercial buildings.
Ingestion of soil attached to fruit/vegetables	No	Growing beds are present at a number of the schools included in the Stage 2 Investigation. However, an individual child's consumption of produce grown in these locations is expected to be very minor in the context of their overall diet and there is no reliable data available to quantify this exposure in the model. Taking lead as an example, the C4SL for residential land-use is based on the assumption that a 4-5 yr old child consumes approximately 10kg of homegrown produce a year. The amount of produce grown at school that a child might eat in a year is expected to be substantially less than this such that the ad hoc consumption of such produce would not be expected to be of any concern and not reliably quantified. A check for the reasonableness of this assumption has been made in the main report by comparing the contaminant concentrations detected in produce samples from schools with those reported from allotments and community kitchen gardens.
Ingestion of fruit/vegetables	No	See above.
Dermal contact with dust derived from soil (indoors)	Yes	This is as relevant for children in school as it is for children at home in a residential setting when the assuming that soil from outside will be tracked back inside by children.
Dermal contact with soil (outdoors)	Yes	This is directly relevant to children playing outside in areas where there is bare soil or grass cover.
Inhalation of dust derived from soil (indoors)	Yes	This is as relevant for children in school as it is for children at home in a residential setting when the assuming that soil from outside will be tracked back inside by children.
Inhalation of dust derived from soil (outdoors)	Yes	This is directly relevant to children playing outside in areas where there is bare soil or grass cover.
Inhalation of vapours (indoors)	Yes	This is only relevant for volatile and semi-volatile contaminants when they are present (or assumed to be present) directly beneath (or in the proximity of) the footprint of the school buildings.

Exposure Pathway	Include?	Reasoning
Inhalation of vapours (outdoors)	Yes	This is only relevant for volatile and semi-volatile contaminants and where children play outside where there is no impermeable ground cover.

Table 2. CLEA Model Parameterisation

Model Parameter	Value	Reasoning
Land Use	School	N/A
Receptor	Female (residential C4SL)	Default for the derivation of SGV and C4SLs is a female child due to expected lower bodyweight. Physiological parameters used to define children for residential, allotment and public open space land uses equally applicable for schools.
Building	School	N/A (and of minimal relevance to non and low volatility contaminants.
Soil Type	Sandy Loam	Default selection for SGV and C4SLs.
Start Age Class	5 (age 4-5)	Expected starting age for primary school.
End Age Class	11 (age 10-11)	Expected finishing age for primary school. An alternative option is to stop at age class 10 to maintain the international practice for a child receptor of 6 years exposure duration.
Exposure Duration	7 years	A function of the choice of start and end age classes.
Soil pH	7	Default selection for SGV and C4SLs.
Soil Organic Matter Content	6%	Default selection for SGV and C4SLs.
Exposure Frequencies		
Soil and dust ingestion	195 days per year	Approximate number of days in a typical school year.
Consumption of homegrown produce	N/A	Refer to justification in Table 1.
Skin contact indoors	195 days per year	Approximate number of days in a typical school year.
Skin contact outdoors	195 days per year	Approximate number of days in a typical school year. Assumption that children will play outside every day regardless of weather.
Inhalation of dust and vapour indoors	195 days per year	Approximate number of days in a typical school year.
Inhalation of dust and vapour outdoors	195 days per year	Approximate number of days in a typical school year. Assumption that children will play outside every day regardless of weather.
Occupancy period indoors	8 hours per day	Assumption for extended school day that includes breakfast and after school clubs.
Occupancy period outdoors	2 hours per day	Assumption for the combination of mid-morning break, lunchtime, mid-afternoon break and/or some indeterminate time playing on school grounds immediately before and/or after school.
Soil to skin adherence factor indoors	0.06 mg per cm^2 per day	Value used for residential and public open space C4SLs and no reason to change.
Soil to skin adherence factor outdoors	0.1 mg per cm^2 per day	Value used for residential and public open space C4SLs and no reason to change.
Soil and dust ingestion rate	0.1 g per day	Value used for residential SGV and C4SLs. It is noted that the value used for public open space C4SLs is less (0.5-0.75 g per day). These lower values are based on the

Model Parameter	Value	Reasoning
		assumption that the ratio between the ingestion of soil and soil-derived dust is 50:50, so the ingestion rate for days with indoor exposure only is 50 mg per day.
Body weight	16.9-35.7 kg	Values for female children in the derivation of the C4SLs.
Body height	1.0-1.4 m	Values for female children in the derivation of the C4SLs.
Inhalation rate	10.1-12.0 m^3 per day	Values for female children in the derivation of the C4SLs.
Maximum exposed skin fraction indoors	0.22-0.35 m^2 per m^2	Values for female children in the derivation of the C4SLs.
Maximum exposed skin fraction outdoors	0.14-0.28 m^2 per m^2	Values for female children in the derivation of the C4SLs.
Building Properties		
Building footprint	100 m^2	Without a detailed inventory of school buildings an assumption of 10 m x 10 m has been used. As lead and benzo(a)pyrene are not volatile contaminants this is not a critical parameter value.
Living space air exchange rate	0.5 oer hour	Value used for residential C4SL. The value for commercial buildings is double (1.0). Residential value in the absence of information for school buildings. As lead and benzo(a)pyrene are not volatile contaminants this is not a critical parameter value.
Living space height (above ground)	2.4 m	Value used for a single storey building in the CLEA methodology. Single storey buildings are the most sensitive to vapour intrusion to the lower indoor air mixing volume.
Living space height (below ground)	0 m	Assumption that schools do not have occupied basements.
Pressure differential (soil to enclosed space)	2.6 Pa	The value used for single storey building in the CLEA methodology.
Foundation thickness	0.15 m	The value used in the derivation of SGV and C4SLs. Building foundation is assumed to be a ground bearing concrete slab.
Floor crack area	800 cm^2	Assumption of a 2 mm perimeter crack between floor and walls. This is the same assumption used in the derivation of SGV and C4SLs.
Dust loading factor	100 µg/m^3	Based on the suggestion from Dutch RIVM report 711701037/2004 that school classrooms are likely to be dustier than residential buildings.
Air dispersion model		
Mean annual windspeed	5 m per second	Value used in the derivation of SGV and C4SLs.
Air dispersion factor at height of 0.8 m	120 g per m^2 per second per kg per m^3	Value for a 0.5-hectare area stated in the CLEA methodology. School areas vary, the larger the area the greater the potential for dust generation. 0.5 hectares is considered to be a reasonable balance for the majority of primary schools.
Air dispersion factor at height of 1.6 m	280 g per m^2 per second per kg per m^3	Value for a 0.5-hectare area stated in the CLEA methodology.

Model Parameter	Value	Reasoning
Fraction of site with hard or vegetative cover	0.75	Value used in the derivation of SGV and C4SLs for both residential and public open space land-uses. No reason to alter this assumption for schools.
Vapour Model		
Use default soil gas ingress rate	No	Default rates are based on specific building assumptions that are not applicable to the chosen school building.
Depth to top of source (beneath building)	65 cm	Value used in the derivation of SGV and C4SLs.
Depth to top of source (no building)	0 cm	Value used in the derivation of SGV and C4SLs.
Time average period for surface emissions	7 years	Set as the exposure duration as per the approach taken in the derivation of SGV and C4SLs.
Effective air permeability of the soil	3.05 E-08 cm^2	CLEA model value for chosen soil type.

Toxicity and Physchem Parameters

All toxicity and physchem parameters adopted in the derivation of the GSC are those used in the derivation of the published C4SLs for these two contaminants. The details of these parameter values can be found in the appended CLEA model output reports and have not been repeated here.

Generic Screening Criteria

The GSC for lead and benzo(a)pyrene calculated using the CLEA model version 1.071 published by the Environment Agency in 2015 are detailed in Table 3 below:

Table 3. GSC

Contaminant	GSC
Lead	1050 mg/kg (based on all routes of exposure)
Benzo(a)pyrene	17 mg/kg (based on oral and dermal routes of exposure) 104 mg/kg (based on inhalation routes of exposure)

Because the derivation of the GSC has not been completed on the back of a detailed review of school-specific parameters the model scenario developed is not definitive and without question. It is plausible that further research could amend one or more of the parameter values that have been assigned here. However, the parameter values chosen have been chosen because they are considered to be reasonable and precautionary values that are relevant and appropriate to the assessment being made.

CLEA Software Version 1.071

Report generated	20/05/2021
Report title	Schools GAC
Created by	AECOM

BASIC SETTINGS

Land Use	School						
Building	School						
Receptor	Female (res C4SL)	Start age class	5	End age class	11	Exposure Duration	7 years
Soil	Sandy loam						

Exposure Pathways

Direct soil and dust ingestion	✓	Dermal contact with indoor dust	✓	Inhalation of indoor dust	✓
Consumption of homegrown produce	✖	Dermal contact with soil	✓	Inhalation of soil dust	✓
Soil attached to homegrown produce	✖			Inhalation of indoor vapour	✓
				Inhalation of outdoor vapour	✓

Environment Agency

Land Use School **Receptor** Female (res C4SL)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	5.60	0.7	5.4	0.32	0.26	3.43E-01
2	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	9.80	0.8	8.0	0.33	0.26	4.84E-01
3	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	12.70	0.9	8.9	0.32	0.25	5.82E-01
4	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	15.10	0.9	10.1	0.35	0.28	6.36E-01
5	195	0	195	195	195	195	8.0	2.0	0.06	0.10	0.10	16.90	1.0	10.1	0.35	0.28	7.04E-01
6	195	0	195	195	195	195	8.0	2.0	0.06	0.10	0.10	19.70	1.1	10.1	0.33	0.26	7.94E-01
7	195	0	195	195	195	195	8.0	2.0	0.06	0.10	0.10	22.10	1.2	12.0	0.22	0.15	8.73E-01
8	195	0	195	195	195	195	8.0	2.0	0.06	0.10	0.10	25.30	1.2	12.0	0.22	0.15	9.36E-01
9	195	0	195	195	195	195	8.0	2.0	0.06	0.10	0.10	27.50	1.3	12.0	0.22	0.15	1.01E+00
10	195	0	195	195	195	195	8.0	2.0	0.06	0.10	0.10	31.40	1.3	12.0	0.22	0.15	1.08E+00
11	195	0	195	195	195	195	8.0	2.0	0.06	0.10	0.10	35.70	1.4	12.0	0.22	0.14	1.19E+00
12	0	0	0	0	0	195	0.0	0.0	0.00	0.00	0.00	41.30	1.4	15.2	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	15.2	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	15.2	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	15.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	15.2	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	15.7	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	13.6	0.33	0.27	1.80E+00

Consumption Rates

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

Age Class	MEAN RATES						90TH PERCENTILE RATES					
	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1							7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2							6.85E+00	3.30E+00	5.46E+00	3.96E+00	5.40E-01	1.20E+01
3							6.85E+00	3.30E+00	5.46E+00	3.96E+00	5.40E-01	1.20E+01
4							6.85E+00	3.30E+00	5.46E+00	3.96E+00	5.40E-01	1.20E+01
5							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
6							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
7							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
8							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
9							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
10							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
11							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
12							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
13							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
14							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
15							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
16							3.74E+00	1.77E+00	3.38E+00	1.85E+00	1.60E-01	4.26E+00
17							2.94E+00	1.40E+00	1.79E+00	1.61E+00	2.20E-01	2.97E+00
18							2.94E+00	1.40E+00	1.79E+00	1.61E+00	2.20E-01	2.97E+00

Top 2 applied? No

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building School

Soil Sandy loam

Building footprint (m^2)	1.00E+02
Living space air exchange rate (hr^{-1})	5.00E-01
Living space height (above ground, m)	2.40E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	2.60E+00
Foundation thickness (m)	1.50E-01
Floor crack area (cm^2)	8.00E+02
Dust loading factor ($\mu g\ m^{-3}$)	**1.00E+02**

Porosity, Total ($cm^3\ cm^{-3}$)	5.30E-01
Porosity, Air-Filled ($cm^3\ cm^{-3}$)	2.00E-01
Porosity, Water-Filled ($cm^3\ cm^{-3}$)	3.30E-01
Residual soil water content ($cm^3\ cm^{-3}$)	1.20E-01
Saturated hydraulic conductivity ($cm\ s^{-1}$)	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density ($g\ cm^{-3}$)	1.21E+00
Threshold value of wind speed at 10m ($m\ s^{-1}$)	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon ($g\ g^{-1}$)	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	65
Default soil gas ingress rate?	No
Soil gas ingress rate ($cm^3\ s^{-1}$)	2.27E+01
Building ventilation rate ($cm^3\ s^{-1}$)	3.33E+04
Averaging time surface emissions (yr)	7
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)		5.00
Air dispersion factor at height of 0.8m *		120.00
Air dispersion factor at height of 1.6m *		280.00
Fraction of site cover ($m^2\ m^{-2}$)		0.75

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction		Soil loading factor	Preparation correction factor
		Average	High		
	g DW g^{-1} FW	dimensionless		g g^{-1} DW	dimensionless
Green vegetables	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	0.103	0.06	0.40	1.00E-03	1.00E+00
Tuber vegetables	0.210	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	0.058	0.06	0.40	1.00E-03	6.00E-01
Shrub fruit	0.166	0.09	0.60	1.00E-03	6.00E-01
Tree fruit	0.157	0.04	0.27	1.00E-03	6.00E-01

Gardener type None

CLEA Software Version 1.071

Report generated	20-May-21
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Created by	AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Lead (C4SL child)	1.05E+03	NR	NR	1.00	NR	NR	NR	No	No	No	Yes	No	Yes	No	No	No
2	Benzo[a]pyrene (C4SL child)	1.71E+01	1.04E+02	NR	1.00	0.16	NR	5.46E+00 (vap)	No	No	No	No	Yes	Yes	No	No	No
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group						
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Lead (C4SL child)	100.0	0.0	0.0	100.0	1.05E+03	NR	5.24E+02	8.92E-06	3.82E-06	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
2	Benzo[a]pyrene (C4SL child)	100.0	0.0	0.0	100.0	1.71E+01	6.71E-06	8.55E+00	1.46E-07	6.24E-08	5.05E-09	1.02E-06	4.36E-07	NA	NA	NA	NA	NA	NA
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Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Lead (C4SL child)	1.40E-03	0.00E+00	0.00E+00	3.40E-06	0.00E+00	0.00E+00	0.00E+00	99.76	0.00	0.00	0.24	0.00	0.00	0.00	0.00
2	Benzo[a]pyrene (C4SL child)	3.80E-05	0.00E+00	3.92E-06	8.66E-08	2.16E-08	0.00E+00	0.00E+00	90.41	0.00	9.33	0.21	0.00	0.05	0.00	0.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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Environment Agency

		Oral Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Inhalation Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Oral Mean Daily Intake ($\mu g\ day^{-1}$)	Inhalation Mean Daily Intake ($\mu g\ day^{-1}$)	Air-water partition coefficient (K_{aw}) ($cm^3\ cm^{-3}$)	Coefficient of Diffusion in Air ($m^2\ s^{-1}$)	Coefficient of Diffusion in Water ($m^2\ s^{-1}$)	log K_{oc} ($cm^3\ g^{-1}$)	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor ($g\ g^{-1}$ DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Lead (C4SL child)	ID	1.4	NR	0	NR	NR	NR	NR	NR	NR	NR	0	0.5	1	0.6	0.64
2	Benzo[a]pyrene (C4SL child)	ID	0.042	ID	0.00066	NR	NR	1.76E-06	4.38E-06	3.67E-10	5.11	6.18	0.13	0.5	1	1	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3 g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Lead (C4SL child)	1.00E+03	NR	2.96E+05	0.00419 fw	0.00402 fw	0.00731 fw	0.00074 fw	0.00020 fw	0.00022 fw
2	Benzo[a]pyrene (C4SL child)	4.48E+03	2.00E-08	3.80E-03	0.00041 fw	0.00178 fw	0.00088 fw	0.00050 fw	0.00000 fw	0.00004 fw
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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Appendix J – CLEA Model for Plant Uptake of Lead at Treadgold House

CLEA Software Version 1.071

Report generated	23/04/2021
Report title	Treadgold House plant uptake of lead
Created by	AECOM

BASIC SETTINGS

Land Use	Residential with produce (C4SL)						
Building	Small terraced house						
Receptor	Female (res C4SL)	Start age class	1	End age class	6	Exposure Duration	6 years
Soil	Sandy loam						

Exposure Pathways

Direct soil and dust ingestion	✖	Dermal contact with indoor dust	✖	Inhalation of indoor dust	✖
Consumption of homegrown produce	✓	Dermal contact with soil	✖	Inhalation of soil dust	✖
Soil attached to homegrown produce	✓			Inhalation of indoor vapour	✖
				Inhalation of outdoor vapour	✖

Environment Agency

Land Use Residential with produce (C4SL) **Receptor** Female (res C4SL)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	180	180	180	170	365	365	23.0	1.0	0.06	0.10	0.10	5.60	0.7	5.4	0.32	0.26	3.43E-01
2	365	365	365	170	365	365	23.0	1.0	0.06	0.10	0.10	9.80	0.8	8.0	0.33	0.26	4.84E-01
3	365	365	365	170	365	365	23.0	1.0	0.06	0.10	0.10	12.70	0.9	8.9	0.32	0.25	5.82E-01
4	365	365	365	170	365	365	23.0	1.0	0.06	0.10	0.10	15.10	0.9	10.1	0.35	0.28	6.36E-01
5	365	365	365	170	365	365	19.0	1.0	0.06	0.10	0.10	16.90	1.0	10.1	0.35	0.28	7.04E-01
6	365	365	365	170	365	365	19.0	1.0	0.06	0.10	0.10	19.70	1.1	10.1	0.33	0.26	7.94E-01
7	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	22.10	1.2	12.0	0.22	0.15	8.73E-01
8	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	25.30	1.2	12.0	0.22	0.15	9.36E-01
9	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	27.50	1.3	12.0	0.22	0.15	1.01E+00
10	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	31.40	1.3	12.0	0.22	0.15	1.08E+00
11	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	35.70	1.4	12.0	0.22	0.14	1.19E+00
12	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	41.30	1.4	15.2	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	15.2	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	15.2	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	15.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	15.2	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	15.7	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	13.6	0.33	0.27	1.80E+00

Consumption Rates

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

	MEAN RATES						90TH PERCENTILE RATES					
Age Class	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1	3.47E+00	5.22E+00	9.22E+00	8.90E-01	1.07E+00	1.87E+00	7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
3	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
4	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
5	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
6	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
7	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
8	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
9	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
10	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
11	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
12	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
13	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
14	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
15	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
16	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
17	1.26E+00	6.00E-01	1.18E+00	6.90E-01	9.00E-02	1.27E+00	2.36E+00	1.12E+00	2.35E+00	1.29E+00	1.80E-01	2.38E+00
18	1.35E+00	6.40E-01	1.25E+00	7.40E-01	1.00E-01	1.36E+00	2.34E+00	1.12E+00	2.36E+00	1.28E+00	1.80E-01	2.37E+00

Top 2 applied? Yes

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building Small terraced house

Soil Sandy loam

Building footprint (m^2)	2.80E+01
Living space air exchange rate (hr^{-1})	5.00E-01
Living space height (above ground, m)	4.80E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	3.10E+00
Foundation thickness (m)	1.50E-01
Floor crack area (cm^2)	4.23E+02
Dust loading factor (µg m^{-3})	5.00E+01

Porosity, Total (cm^3 cm^{-3})	5.30E-01
Porosity, Air-Filled (cm^3 cm^{-3})	2.00E-01
Porosity, Water-Filled (cm^3 cm^{-3})	3.30E-01
Residual soil water content (cm^3 cm^{-3})	1.20E-01
Saturated hydraulic conductivity (cm s^{-1})	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density (g cm^{-3})	1.21E+00
Threshold value of wind speed at 10m (m s^{-1})	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon (g g^{-1})	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	65
Default soil gas ingress rate?	Yes
Soil gas ingress rate ($cm^3\ s^{-1}$)	2.50E+01
Building ventilation rate ($cm^3\ s^{-1}$)	1.87E+04
Averaging time surface emissions (yr)	6
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)	5.00
Air dispersion factor at height of 0.8m *	2400.00
Air dispersion factor at height of 1.6m *	0.00
Fraction of site cover ($m^2\ m^{-2}$)	0.75

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction		Soil loading factor	Preparation correction factor
		Average	High		
	$g\ DW\ g^{-1}\ FW$	dimensionless		$g\ g^{-1}\ DW$	dimensionless
Green vegetables	0.096	**0.01**	**0.07**	1.00E-03	2.00E-01
Root vegetables	0.103	**0.01**	**0.08**	1.00E-03	1.00E+00
Tuber vegetables	0.210	**0.00**	**0.03**	1.00E-03	1.00E+00
Herbaceous fruit	0.058	**0.01**	**0.08**	1.00E-03	6.00E-01
Shrub fruit	0.166	**0.02**	**0.12**	1.00E-03	6.00E-01
Tree fruit	0.157	**0.01**	**0.05**	1.00E-03	6.00E-01

Gardener type Average

CLEA Software Version 1.071

Report generated	23-Apr-21
Report title	Treadgold House plant uptake of lead
Created by	AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Lead (C4SL child)	0.00E+00	0.00E+00	0.00E+00	0.00	NR	NR	NR	No	No	Yes	Yes	No	Yes	No	No	No
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group						
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations												
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Lead (C4SL child)	100.0	0.0	0.0	100.0	4.20E+01	NR	NA	NA	NA	NA	NA	NA	2.90E-02	2.23E-02	6.72E-03	1.05E-03	2.98E-03	1.09E-03
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CLEA Software Version 1.071 Report generated 23-Apr-21 Page 5 of 11

Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Lead (C4SL child)	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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Environment Agency

		Oral Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Inhalation Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Oral Mean Daily Intake ($\mu g\ day^{-1}$)	Inhalation Mean Daily Intake ($\mu g\ day^{-1}$)	Air-water partition coefficient (K_{aw}) ($cm^3\ cm^{-3}$)	Coefficient of Diffusion in Air ($m^2\ s^{-1}$)	Coefficient of Diffusion in Water ($m^2\ s^{-1}$)	log K_{oc} ($cm^3\ g^{-1}$)	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor ($g\ g^{-1}$ DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Lead (C4SL child)	ID	1.4	NR	0	NR	NR	NR	NR	NR	NR	NR	0	0.5	1	0.6	0.64
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3 g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Lead (C4SL child)	1.00E+03	NR	2.96E+05	**0.00069 fw**	**0.00053 fw**	**0.00016 fw**	**0.00002 fw**	**0.00007 fw**	**0.00002 fw**
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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Appendix J – CLEA Model for Longstone Avenue Allotments SSAC

CLEA Software Version 1.071

Report generated	26/05/2021
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

BASIC SETTINGS

Land Use	Allotments (C4SL)						
Building	No building						
Receptor	Female (allot)	Start age class	1	End age class	6	Exposure Duration	6 years
Soil	Sandy loam						

Exposure Pathways

Direct soil and dust ingestion	✓	Dermal contact with indoor dust	✖	Inhalation of indoor dust	✖
Consumption of homegrown produce	✓	Dermal contact with soil	✓	Inhalation of soil dust	✓
Soil attached to homegrown produce	✓			Inhalation of indoor vapour	✖
				Inhalation of outdoor vapour	✓

Environment Agency

Land Use Allotments (C4SL) **Receptor** Female (allot)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	25	180	0	25	0	25	0.0	3.0	0.00	1.00	**0.08**	5.60	0.7	10.3	0.32	0.26	3.43E-01
2	130	365	0	130	0	130	0.0	3.0	0.00	1.00	**0.08**	9.80	0.8	18.8	0.33	0.26	4.84E-01
3	130	365	0	130	0	130	0.0	3.0	0.00	1.00	**0.08**	12.70	0.9	20.7	0.32	0.25	5.82E-01
4	130	365	0	130	0	130	0.0	3.0	0.00	1.00	**0.08**	15.10	0.9	19.1	0.35	0.28	6.36E-01
5	65	365	0	65	0	65	0.0	3.0	0.00	1.00	**0.08**	16.90	1.0	21.3	0.35	0.28	7.04E-01
6	65	365	0	65	0	65	0.0	3.0	0.00	1.00	**0.08**	19.70	1.1	24.9	0.33	0.26	7.94E-01
7	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	22.10	1.2	17.6	0.22	0.15	8.73E-01
8	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	25.30	1.2	20.2	0.22	0.15	9.36E-01
9	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	27.50	1.3	21.8	0.22	0.15	1.01E+00
10	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	31.40	1.3	25.0	0.22	0.15	1.08E+00
11	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	35.70	1.4	28.4	0.22	0.14	1.19E+00
12	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	41.30	1.4	19.8	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	22.7	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	24.5	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	27.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	28.3	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	27.4	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	25.4	0.33	0.27	1.80E+00

Consumption Rates

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

	MEAN RATES						90TH PERCENTILE RATES					
Age Class	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1	3.47E+00	5.22E+00	9.22E+00	8.90E-01	1.07E+00	1.87E+00	7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
3	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
4	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
5	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
6	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
7	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
8	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
9	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
10	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
11	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
12	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
13	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
14	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
15	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
16	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
17	1.26E+00	6.00E-01	1.18E+00	6.90E-01	9.00E-02	1.27E+00	2.36E+00	1.12E+00	2.35E+00	1.29E+00	1.80E-01	2.38E+00
18	1.35E+00	6.40E-01	1.25E+00	7.40E-01	1.00E-01	1.36E+00	2.34E+00	1.12E+00	2.36E+00	1.28E+00	1.80E-01	2.37E+00

Top 2 applied? Yes

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building No building

Soil Sandy loam

Building footprint (m^2)	0.00E+00
Living space air exchange rate (hr^{-1})	0.00E+00
Living space height (above ground, m)	0.00E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	0.00E+00
Foundation thickness (m)	0.00E+00
Floor crack area (cm^2)	0.00E+00
Dust loading factor (µg m^{-3})	0.00E+00

Porosity, Total (cm^3 cm^{-3})	5.30E-01
Porosity, Air-Filled (cm^3 cm^{-3})	2.00E-01
Porosity, Water-Filled (cm^3 cm^{-3})	3.30E-01
Residual soil water content (cm^3 cm^{-3})	1.20E-01
Saturated hydraulic conductivity (cm s^{-1})	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density (g cm^{-3})	1.21E+00
Threshold value of wind speed at 10m (m s^{-1})	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon (g g^{-1})	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	50
Default soil gas ingress rate?	Yes
Soil gas ingress rate ($cm^3\ s^{-1}$)	0.00E+00
Building ventilation rate ($cm^3\ s^{-1}$)	0.00E+00
Averaging time surface emissions (yr)	6
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)		5.00
Air dispersion factor at height of 0.8m *		120.00
Air dispersion factor at height of 1.6m *		0.00
Fraction of site cover ($m^2\ m^{-2}$)		0.5

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction Average	Homegrown fraction High	Soil loading factor	Preparation correction factor
	$g\ DW\ g^{-1}\ FW$	dimensionless		$g\ g^{-1}\ DW$	dimensionless
Green vegetables	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	0.103	0.06	0.40	1.00E-03	1.00E+00
Tuber vegetables	0.210	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	0.058	0.06	0.40	1.00E-03	6.00E-01
Shrub fruit	0.166	0.09	0.60	1.00E-03	6.00E-01
Tree fruit	0.157	0.04	0.27	1.00E-03	6.00E-01

Gardener type High

CLEA Software Version 1.071

Report generated	26-May-21
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Lead (C4SL child)	4.65E+02	NR	NR	1.00	NR	NR	NR	No	No	Yes	Yes	No	Yes	No	No	No
2	Benzo[a]pyrene (C4SL child)	1.07E+01	1.70E+02	NR	1.00	0.06	NR	5.46E+00 (vap)	No	No	Yes	No	Yes	Yes	No	No	No
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group						
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Lead (C4SL child)	100.0	0.0	0.0	100.0	4.65E+02	NR	NA	7.91E-06	0.00E+00	NA	0.00E+00	0.00E+00	3.23E-01	2.47E-01	7.66E-02	1.11E-02	3.30E-02	1.22E-02
2	Benzo[a]pyrene (C4SL child)	100.0	0.0	0.0	100.0	1.07E+01	4.19E-06	NA	1.82E-07	0.00E+00	NA	6.86E-07	0.00E+00	8.12E-03	2.24E-03	4.59E-03	5.43E-03	6.01E-05	5.01E-04
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Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Lead (C4SL child)	4.90E-04	9.10E-04	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	35.00	64.98	0.00	0.02	0.00	0.00	0.00	0.00
2	Benzo[a]pyrene (C4SL child)	8.19E-06	2.00E-05	1.38E-05	8.67E-09	3.27E-08	0.00E+00	0.00E+00	19.50	47.55	32.85	0.02	0.00	0.08	0.00	0.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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Environment Agency

		Oral Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Inhalation Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Oral Mean Daily Intake ($\mu g\ day^{-1}$)	Inhalation Mean Daily Intake ($\mu g\ day^{-1}$)	Air-water partition coefficient (K_{aw}) ($cm^3\ cm^{-3}$)	Coefficient of Diffusion in Air ($m^2\ s^{-1}$)	Coefficient of Diffusion in Water ($m^2\ s^{-1}$)	log K_{oc} ($cm^3\ g^{-1}$)	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor ($g\ g^{-1}$ DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Lead (C4SL child)	ID	1.4	NR	0	NR	NR	NR	NR	NR	NR	NR	0	0.5	1	**0.66**	0.64
2	Benzo[a]pyrene (C4SL child)	ID	0.042	ID	0.00066	NR	NR	1.76E-06	4.38E-06	3.67E-10	5.11	6.18	0.13	0.5	1	**0.48**	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3 g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Lead (C4SL child)	1.00E+03	NR	2.96E+05	**0.00069 fw**	**0.00053 fw**	**0.00016 fw**	**2.38172 fw**	**0.00007 fw**	**0.00002 fw**
2	Benzo[a]pyrene (C4SL child)	4.48E+03	2.00E-08	3.80E-03	**0.00076 fw**	**0.00021 fw**	**0.00043 fw**	0.00050 fw	0.00000 fw	0.00004 fw
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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Appendix J – CLEA Model for Eynham Road Railway Land SSAC

CLEA Software Version 1.071

Report generated	29/05/2021
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

BASIC SETTINGS

Land Use	Public Open Space (res C4SL)						
Building	Small terraced house						
Receptor	Female (res C4SL)	Start age class	4	End age class	9	Exposure Duration	6 years
Soil	Sandy loam						

Exposure Pathways

Direct soil and dust ingestion	✓	Dermal contact with indoor dust	✓	Inhalation of indoor dust	✓
Consumption of homegrown produce	✓	Dermal contact with soil	✓	Inhalation of soil dust	✓
Soil attached to homegrown produce	✓			Inhalation of indoor vapour	✗
				Inhalation of outdoor vapour	✓

Environment Agency

Land Use Public Open Space (res C4SL) **Receptor** Female (res C4SL)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	5.60	0.7	5.4	0.32	0.26	3.43E-01
2	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	9.80	0.8	8.0	0.33	0.26	4.84E-01
3	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	12.70	0.9	8.9	0.32	0.25	5.82E-01
4	365	**365**	365	170	365	170	23.0	1.0	0.06	0.10	**0.06**	15.10	0.9	10.1	0.35	0.28	6.36E-01
5	365	**365**	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	16.90	1.0	10.1	0.35	0.28	7.04E-01
6	365	**365**	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	19.70	1.1	10.1	0.33	0.26	7.94E-01
7	365	**365**	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	22.10	1.2	12.0	0.22	0.15	8.73E-01
8	365	**365**	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	25.30	1.2	12.0	0.22	0.15	9.36E-01
9	365	**365**	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	27.50	1.3	12.0	0.22	0.15	1.01E+00
10	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	31.40	1.3	12.0	0.22	0.15	1.08E+00
11	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	35.70	1.4	12.0	0.22	0.14	1.19E+00
12	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	41.30	1.4	15.2	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	15.2	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	15.2	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	15.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	15.2	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	15.7	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	13.6	0.33	0.27	1.80E+00

Consumption Rates

Environment Agency

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

	MEAN RATES						90TH PERCENTILE RATES					
Age Class	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1	3.47E+00	5.22E+00	9.22E+00	8.90E-01	1.07E+00	1.87E+00	7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
3	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
4	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
5	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
6	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
7	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
8	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
9	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
10	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
11	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
12	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
13	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
14	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
15	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
16	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
17	1.26E+00	6.00E-01	1.18E+00	6.90E-01	9.00E-02	1.27E+00	2.36E+00	1.12E+00	2.35E+00	1.29E+00	1.80E-01	2.38E+00
18	1.35E+00	6.40E-01	1.25E+00	7.40E-01	1.00E-01	1.36E+00	2.34E+00	1.12E+00	2.36E+00	1.28E+00	1.80E-01	2.37E+00

Top 2 applied? Yes

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building Small terraced house

Soil Sandy loam

Building footprint (m^2)	2.80E+01
Living space air exchange rate (hr^{-1})	5.00E-01
Living space height (above ground, m)	4.80E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	3.10E+00
Foundation thickness (m)	1.50E-01
Floor crack area (cm^2)	4.23E+02
Dust loading factor (µg m^{-3})	5.00E+01

Porosity, Total (cm^3 cm^{-3})	5.30E-01
Porosity, Air-Filled (cm^3 cm^{-3})	2.00E-01
Porosity, Water-Filled (cm^3 cm^{-3})	3.30E-01
Residual soil water content (cm^3 cm^{-3})	1.20E-01
Saturated hydraulic conductivity (cm s^{-1})	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density (g cm^{-3})	1.21E+00
Threshold value of wind speed at 10m (m s^{-1})	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon (g g^{-1})	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	65
Default soil gas ingress rate?	Yes
Soil gas ingress rate ($cm^3\ s^{-1}$)	2.50E+01
Building ventilation rate ($cm^3\ s^{-1}$)	1.87E+04
Averaging time surface emissions (yr)	6
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)		5.00
Air dispersion factor at height of 0.8m *		500.00
Air dispersion factor at height of 1.6m *		2000.00
Fraction of site cover ($m^2\ m^{-2}$)		0.5

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction		Soil loading factor	Preparation correction factor
		Average	High		
	g DW g^{-1} FW	dimensionless		g g^{-1} DW	dimensionless
Green vegetables	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	0.103	0.06	0.40	1.00E-03	1.00E+00
Tuber vegetables	0.210	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	0.058	0.06	0.40	1.00E-03	6.00E-01
Shrub fruit	0.166	0.09	0.60	1.00E-03	6.00E-01
Tree fruit	0.157	0.04	0.27	1.00E-03	6.00E-01

Gardener type Average

CLEA Software Version 1.071

Report generated	29-May-21
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Lead (C4SL child)	6.27E+02	NR	NR	1.00	NR	NR	NR	No	No	Yes	Yes	No	Yes	No	No	No
2	Benzo[a]pyrene (C4SL child)	2.09E+01	5.02E+01	NR	1.00	0.42	NR	5.46E+00 (vap)	No	No	Yes	No	Yes	Yes	No	No	No
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Lead (C4SL child)	100.0	0.0	0.0	100.0	6.27E+02	NR	3.13E+02	2.56E-06	6.40E-07	NA	0.00E+00	0.00E+00	4.35E-01	3.33E-01	1.03E-01	1.49E-02	4.45E-02	1.65E-02
2	Benzo[a]pyrene (C4SL child)	100.0	0.0	0.0	100.0	2.09E+01	8.21E-06	1.05E+01	8.55E-08	2.14E-08	NA	3.22E-07	8.06E-08	1.59E-02	4.39E-03	9.00E-03	1.06E-02	1.18E-04	9.81E-04
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Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Lead (C4SL child)	1.23E-03	1.65E-04	0.00E+00	5.21E-06	0.00E+00	0.00E+00	0.00E+00	87.86	11.76	0.00	0.37	0.00	0.00	0.00	0.00
2	Benzo[a]pyrene (C4SL child)	2.99E-05	5.22E-06	6.65E-06	2.72E-07	3.37E-09	0.00E+00	0.00E+00	71.09	12.43	15.82	0.65	0.00	0.01	0.00	0.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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Environment Agency

		Oral Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Inhalation Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Oral Mean Daily Intake ($\mu g\ day^{-1}$)	Inhalation Mean Daily Intake ($\mu g\ day^{-1}$)	Air-water partition coefficient (K_{aw}) ($cm^3\ cm^{-3}$)	Coefficient of Diffusion in Air ($m^2\ s^{-1}$)	Coefficient of Diffusion in Water ($m^2\ s^{-1}$)	log K_{oc} ($cm^3\ g^{-1}$)	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor ($g\ g^{-1}$ DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Lead (C4SL child)	ID	1.4	NR	0	NR	NR	NR	NR	NR	NR	NR	0	0.5	1	**0.66**	0.64
2	Benzo[a]pyrene (C4SL child)	ID	0.042	ID	0.00066	NR	NR	1.76E-06	4.38E-06	3.67E-10	5.11	6.18	0.13	0.5	1	**0.48**	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Lead (C4SL child)	1.00E+03	NR	2.96E+05	**0.00069 fw**	**0.00053 fw**	**0.00016 fw**	**0.00002 fw**	**0.00007 fw**	**0.00002 fw**
2	Benzo[a]pyrene (C4SL child)	4.48E+03	2.00E-08	3.80E-03	**0.00076 fw**	**0.00021 fw**	**0.00043 fw**	0.00050 fw	0.00000 fw	0.00004 fw
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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CLEA Software Version 1.071

Report generated	29/05/2021
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

BASIC SETTINGS

Land Use	Residential with produce (C4SL)					
Building	Small terraced house					
Receptor	Female (res C4SL)	Start age class	1	End age class	6	Exposure Duration 6 years
Soil	Sandy loam					

Exposure Pathways

Direct soil and dust ingestion	✓	Dermal contact with indoor dust	✓	Inhalation of indoor dust	✓
Consumption of homegrown produce	✓	Dermal contact with soil	✓	Inhalation of soil dust	✓
Soil attached to homegrown produce	✓			Inhalation of indoor vapour	✓
				Inhalation of outdoor vapour	✓

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Land Use Residential with produce (C4SL) **Receptor** Female (res C4SL)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	180	180	180	170	365	365	23.0	1.0	0.06	0.10	**0.08**	5.60	0.7	5.4	0.32	0.26	3.43E-01
2	365	365	365	170	365	365	23.0	1.0	0.06	0.10	**0.08**	9.80	0.8	8.0	0.33	0.26	4.84E-01
3	365	365	365	170	365	365	23.0	1.0	0.06	0.10	**0.08**	12.70	0.9	8.9	0.32	0.25	5.82E-01
4	365	365	365	170	365	365	23.0	1.0	0.06	0.10	**0.08**	15.10	0.9	10.1	0.35	0.28	6.36E-01
5	365	365	365	170	365	365	19.0	1.0	0.06	0.10	**0.08**	16.90	1.0	10.1	0.35	0.28	7.04E-01
6	365	365	365	170	365	365	19.0	1.0	0.06	0.10	**0.08**	19.70	1.1	10.1	0.33	0.26	7.94E-01
7	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	22.10	1.2	12.0	0.22	0.15	8.73E-01
8	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	25.30	1.2	12.0	0.22	0.15	9.36E-01
9	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	27.50	1.3	12.0	0.22	0.15	1.01E+00
10	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	31.40	1.3	12.0	0.22	0.15	1.08E+00
11	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	35.70	1.4	12.0	0.22	0.14	1.19E+00
12	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	41.30	1.4	15.2	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	15.2	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	15.2	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	15.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	15.2	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	15.7	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	13.6	0.33	0.27	1.80E+00

Consumption Rates

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

Age Class	MEAN RATES						90TH PERCENTILE RATES					
	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1	3.47E+00	5.22E+00	9.22E+00	8.90E-01	1.07E+00	1.87E+00	7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
3	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
4	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
5	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
6	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
7	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
8	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
9	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
10	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
11	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
12	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
13	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
14	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
15	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
16	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
17	1.26E+00	6.00E-01	1.18E+00	6.90E-01	9.00E-02	1.27E+00	2.36E+00	1.12E+00	2.35E+00	1.29E+00	1.80E-01	2.38E+00
18	1.35E+00	6.40E-01	1.25E+00	7.40E-01	1.00E-01	1.36E+00	2.34E+00	1.12E+00	2.36E+00	1.28E+00	1.80E-01	2.37E+00

Top 2 applied? Yes

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building Small terraced house

Soil Sandy loam

Building footprint (m^2)	2.80E+01
Living space air exchange rate (hr^{-1})	5.00E-01
Living space height (above ground, m)	4.80E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	3.10E+00
Foundation thickness (m)	1.50E-01
Floor crack area (cm^2)	4.23E+02
Dust loading factor (µg m^{-3})	5.00E+01

Porosity, Total (cm^3 cm^{-3})	5.30E-01
Porosity, Air-Filled (cm^3 cm^{-3})	2.00E-01
Porosity, Water-Filled (cm^3 cm^{-3})	3.30E-01
Residual soil water content (cm^3 cm^{-3})	1.20E-01
Saturated hydraulic conductivity (cm s^{-1})	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density (g cm^{-3})	1.21E+00
Threshold value of wind speed at 10m (m s^{-1})	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon (g g^{-1})	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	65
Default soil gas ingress rate?	Yes
Soil gas ingress rate ($cm^3\ s^{-1}$)	2.50E+01
Building ventilation rate ($cm^3\ s^{-1}$)	1.87E+04
Averaging time surface emissions (yr)	6
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)	5.00
Air dispersion factor at height of 0.8m *	2400.00
Air dispersion factor at height of 1.6m *	0.00
Fraction of site cover ($m^2\ m^{-2}$)	0.75

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction		Soil loading factor	Preparation correction factor
		Average	High		
	g DW g^{-1} FW	dimensionless		g g^{-1} DW	dimensionless
Green vegetables	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	0.103	0.06	0.40	1.00E-03	1.00E+00
Tuber vegetables	0.210	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	0.058	0.06	0.40	1.00E-03	6.00E-01
Shrub fruit	0.166	0.09	0.60	1.00E-03	6.00E-01
Tree fruit	0.157	0.04	0.27	1.00E-03	6.00E-01

Gardener type Average

CLEA Software Version 1.071

Report generated	29-May-21
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Lead (C4SL child)	3.32E+02	NR	NR	1.00	NR	NR	NR	No	No	Yes	Yes	No	Yes	No	No	No
2	Benzo[a]pyrene (C4SL child)	1.17E+01	3.89E+01	NR	1.00	0.30	NR	5.46E+00 (vap)	No	No	Yes	No	Yes	Yes	No	No	No
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group						
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Lead (C4SL child)	100.0	0.0	0.0	100.0	3.32E+02	NR	1.66E+02	1.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-01	1.76E-01	5.47E-02	7.89E-03	2.35E-02	8.72E-03
2	Benzo[a]pyrene (C4SL child)	100.0	0.0	0.0	100.0	1.17E+01	4.61E-06	5.87E+00	5.00E-09	0.00E+00	6.08E-09	3.77E-08	0.00E+00	8.92E-03	2.47E-03	5.05E-03	5.96E-03	6.61E-05	5.51E-04
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Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Lead (C4SL child)	1.30E-03	9.81E-05	0.00E+00	3.51E-06	0.00E+00	0.00E+00	0.00E+00	92.74	7.01	0.00	0.25	0.00	0.00	0.00	0.00
2	Benzo[a]pyrene (C4SL child)	3.34E-05	3.32E-06	5.05E-06	1.94E-07	5.06E-09	0.00E+00	0.00E+00	79.60	7.91	12.01	0.46	0.01	0.00	0.00	0.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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		Oral Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Inhalation Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Oral Mean Daily Intake ($\mu g\ day^{-1}$)	Inhalation Mean Daily Intake ($\mu g\ day^{-1}$)	Air-water partition coefficient (K_{aw}) ($cm^3\ cm^{-3}$)	Coefficient of Diffusion in Air ($m^2\ s^{-1}$)	Coefficient of Diffusion in Water ($m^2\ s^{-1}$)	log K_{oc} ($cm^3\ g^{-1}$)	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor ($g\ g^{-1}$ DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Lead (C4SL child)	ID	1.4	NR	0	NR	NR	NR	NR	NR	NR	NR	0	0.5	1	**0.66**	0.64
2	Benzo[a]pyrene (C4SL child)	ID	0.042	ID	0.00066	NR	NR	1.76E-06	4.38E-06	3.67E-10	5.11	6.18	0.13	0.5	1	**0.48**	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3 g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Lead (C4SL child)	1.00E+03	NR	2.96E+05	**0.00069 fw**	**0.00053 fw**	**0.00016 fw**	**0.00002 fw**	**0.00007 fw**	**0.00002 fw**
2	Benzo[a]pyrene (C4SL child)	4.48E+03	2.00E-08	3.80E-03	**0.00076 fw**	**0.00021 fw**	**0.00043 fw**	0.00050 fw	0.00000 fw	0.00004 fw
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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Appendix J – CLEA Model for Treadgold House SSAC

CLEA Software Version 1.071

Report generated	29/05/2021
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

BASIC SETTINGS

Land Use	Public Open Space (res C4SL)						
Building	Small terraced house						
Receptor	Female (res C4SL)	Start age class	4	End age class	9	Exposure Duration	6 years
Soil	Sandy loam						

Exposure Pathways

Direct soil and dust ingestion	✓	Dermal contact with indoor dust	✓	Inhalation of indoor dust	✓
Consumption of homegrown produce	✖	Dermal contact with soil	✓	Inhalation of soil dust	✓
Soil attached to homegrown produce	✖			Inhalation of indoor vapour	✖
				Inhalation of outdoor vapour	✓

Environment Agency

Land Use Public Open Space (res C4SL) **Receptor** Female (res C4SL)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	5.60	0.7	5.4	0.32	0.26	3.43E-01
2	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	9.80	0.8	8.0	0.33	0.26	4.84E-01
3	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	12.70	0.9	8.9	0.32	0.25	5.82E-01
4	365	0	365	170	365	170	23.0	1.0	0.06	0.10	**0.06**	15.10	0.9	10.1	0.35	0.28	6.36E-01
5	365	0	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	16.90	1.0	10.1	0.35	0.28	7.04E-01
6	365	0	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	19.70	1.1	10.1	0.33	0.26	7.94E-01
7	365	0	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	22.10	1.2	12.0	0.22	0.15	8.73E-01
8	365	0	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	25.30	1.2	12.0	0.22	0.15	9.36E-01
9	365	0	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	27.50	1.3	12.0	0.22	0.15	1.01E+00
10	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	31.40	1.3	12.0	0.22	0.15	1.08E+00
11	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	35.70	1.4	12.0	0.22	0.14	1.19E+00
12	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	41.30	1.4	15.2	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	15.2	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	15.2	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	15.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	15.2	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	15.7	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	13.6	0.33	0.27	1.80E+00

Consumption Rates

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

Age Class	MEAN RATES						90TH PERCENTILE RATES					
	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1	3.47E+00	5.22E+00	9.22E+00	8.90E-01	1.07E+00	1.87E+00	7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
3	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
4	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
5	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
6	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
7	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
8	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
9	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
10	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
11	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
12	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
13	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
14	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
15	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
16	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
17	1.26E+00	6.00E-01	1.18E+00	6.90E-01	9.00E-02	1.27E+00	2.36E+00	1.12E+00	2.35E+00	1.29E+00	1.80E-01	2.38E+00
18	1.35E+00	6.40E-01	1.25E+00	7.40E-01	1.00E-01	1.36E+00	2.34E+00	1.12E+00	2.36E+00	1.28E+00	1.80E-01	2.37E+00

Top 2 applied? Yes

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building Small terraced house

Soil Sandy loam

Building footprint (m^2)	2.80E+01
Living space air exchange rate (hr^{-1})	5.00E-01
Living space height (above ground, m)	4.80E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	3.10E+00
Foundation thickness (m)	1.50E-01
Floor crack area (cm^2)	4.23E+02
Dust loading factor (µg m^{-3})	5.00E+01

Porosity, Total (cm^3 cm^{-3})	5.30E-01
Porosity, Air-Filled (cm^3 cm^{-3})	2.00E-01
Porosity, Water-Filled (cm^3 cm^{-3})	3.30E-01
Residual soil water content (cm^3 cm^{-3})	1.20E-01
Saturated hydraulic conductivity (cm s^{-1})	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density (g cm^{-3})	1.21E+00
Threshold value of wind speed at 10m (m s^{-1})	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon (g g^{-1})	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	65
Default soil gas ingress rate?	Yes
Soil gas ingress rate ($cm^3\ s^{-1}$)	2.50E+01
Building ventilation rate ($cm^3\ s^{-1}$)	1.87E+04
Averaging time surface emissions (yr)	6
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)		5.00
Air dispersion factor at height of 0.8m *		500.00
Air dispersion factor at height of 1.6m *		2000.00
Fraction of site cover ($m^2\ m^{-2}$)		0.5

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction Average	Homegrown fraction High	Soil loading factor	Preparation correction factor
	g DW g^{-1} FW	dimensionless		g g^{-1} DW	dimensionless
Green vegetables	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	0.103	0.06	0.40	1.00E-03	1.00E+00
Tuber vegetables	0.210	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	0.058	0.06	0.40	1.00E-03	6.00E-01
Shrub fruit	0.166	0.09	0.60	1.00E-03	6.00E-01
Tree fruit	0.157	0.04	0.27	1.00E-03	6.00E-01

Gardener type None

CLEA Software Version 1.071

Report generated	29-May-21
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Lead (C4SL child)	7.10E+02	NR	NR	1.00	NR	NR	NR	No	No	Yes	Yes	No	Yes	No	No	No
2	Benzo[a]pyrene (C4SL child)	2.39E+01	5.02E+01	NR	1.00	0.48	NR	5.46E+00 (vap)	No	No	Yes	No	Yes	Yes	No	No	No
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group						
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Lead (C4SL child)	100.0	0.0	0.0	100.0	7.10E+02	NR	3.55E+02	2.90E-06	7.26E-07	NA	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
2	Benzo[a]pyrene (C4SL child)	100.0	0.0	0.0	100.0	2.39E+01	9.38E-06	1.19E+01	9.76E-08	2.44E-08	NA	3.68E-07	9.21E-08	NA	NA	NA	NA	NA	NA
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Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Lead (C4SL child)	1.39E-03	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00	99.58	0.00	0.00	0.42	0.00	0.00	0.00	0.00
2	Benzo[a]pyrene (C4SL child)	3.41E-05	0.00E+00	7.59E-06	3.10E-07	3.85E-09	0.00E+00	0.00E+00	81.18	0.00	18.07	0.74	0.00	0.01	0.00	0.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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Environment Agency

		Oral Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Inhalation Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Oral Mean Daily Intake ($\mu g\ day^{-1}$)	Inhalation Mean Daily Intake ($\mu g\ day^{-1}$)	Air-water partition coefficient (K_{aw}) ($cm^3\ cm^{-3}$)	Coefficient of Diffusion in Air ($m^2\ s^{-1}$)	Coefficient of Diffusion in Water ($m^2\ s^{-1}$)	log K_{oc} ($cm^3\ g^{-1}$)	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor ($g\ g^{-1}$ DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Lead (C4SL child)	ID	1.4	NR	0	NR	NR	NR	NR	NR	NR	NR	0	0.5	1	**0.66**	0.64
2	Benzo[a]pyrene (C4SL child)	ID	0.042	ID	0.00066	NR	NR	1.76E-06	4.38E-06	3.67E-10	5.11	6.18	0.13	0.5	1	**0.48**	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Lead (C4SL child)	1.00E+03	NR	2.96E+05	**0.00069 fw**	**0.00053 fw**	**0.00016 fw**	**2.38172 fw**	**0.00007 fw**	**0.00002 fw**
2	Benzo[a]pyrene (C4SL child)	4.48E+03	2.00E-08	3.80E-03	**0.00076 fw**	**0.00021 fw**	**0.00043 fw**	0.00050 fw	0.00000 fw	0.00004 fw
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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CLEA Software Version 1.071

Report generated	29/05/2021
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Created by	DJD at AECOM

BASIC SETTINGS

Land Use	Residential without produce (C4SL)					
Building	Small terraced house					
Receptor	Female (res C4SL)	Start age class	1	End age class	6	Exposure Duration 6 years
Soil	Sandy loam					

Exposure Pathways

Direct soil and dust ingestion	✓	Dermal contact with indoor dust	✓	Inhalation of indoor dust	✓
Consumption of homegrown produce	✖	Dermal contact with soil	✓	Inhalation of soil dust	✓
Soil attached to homegrown produce	✖			Inhalation of indoor vapour	✓
				Inhalation of outdoor vapour	✓

Environment Agency

Land Use Residential without produce (C4SL) **Receptor** Female (res C4SL)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	180	0	180	170	365	365	23.0	1.0	0.06	0.10	**0.08**	5.60	0.7	5.4	0.32	0.26	3.43E-01
2	365	0	365	170	365	365	23.0	1.0	0.06	0.10	**0.08**	9.80	0.8	8.0	0.33	0.26	4.84E-01
3	365	0	365	170	365	365	23.0	1.0	0.06	0.10	**0.08**	12.70	0.9	8.9	0.32	0.25	5.82E-01
4	365	0	365	170	365	365	23.0	1.0	0.06	0.10	**0.08**	15.10	0.9	10.1	0.35	0.28	6.36E-01
5	365	0	365	170	365	365	19.0	1.0	0.06	0.10	**0.08**	16.90	1.0	10.1	0.35	0.28	7.04E-01
6	365	0	365	170	365	365	19.0	1.0	0.06	0.10	**0.08**	19.70	1.1	10.1	0.33	0.26	7.94E-01
7	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	22.10	1.2	12.0	0.22	0.15	8.73E-01
8	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	25.30	1.2	12.0	0.22	0.15	9.36E-01
9	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	27.50	1.3	12.0	0.22	0.15	1.01E+00
10	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	31.40	1.3	12.0	0.22	0.15	1.08E+00
11	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	35.70	1.4	12.0	0.22	0.14	1.19E+00
12	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	41.30	1.4	15.2	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	15.2	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	15.2	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	15.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	15.2	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	15.7	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	13.6	0.33	0.27	1.80E+00

Consumption Rates

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

Age Class	MEAN RATES						90TH PERCENTILE RATES					
	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1	3.47E+00	5.22E+00	9.22E+00	8.90E-01	1.07E+00	1.87E+00	7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
3	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
4	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
5	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
6	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
7	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
8	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
9	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
10	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
11	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
12	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
13	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
14	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
15	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
16	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
17	1.26E+00	6.00E-01	1.18E+00	6.90E-01	9.00E-02	1.27E+00	2.36E+00	1.12E+00	2.35E+00	1.29E+00	1.80E-01	2.38E+00
18	1.35E+00	6.40E-01	1.25E+00	7.40E-01	1.00E-01	1.36E+00	2.34E+00	1.12E+00	2.36E+00	1.28E+00	1.80E-01	2.37E+00

Top 2 applied? Yes

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building Small terraced house

Soil Sandy loam

Building footprint (m^2)	2.80E+01
Living space air exchange rate (hr^{-1})	5.00E-01
Living space height (above ground, m)	4.80E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	3.10E+00
Foundation thickness (m)	1.50E-01
Floor crack area (cm^2)	4.23E+02
Dust loading factor (µg m^{-3})	5.00E+01

Porosity, Total (cm^3 cm^{-3})	5.30E-01
Porosity, Air-Filled (cm^3 cm^{-3})	2.00E-01
Porosity, Water-Filled (cm^3 cm^{-3})	3.30E-01
Residual soil water content (cm^3 cm^{-3})	1.20E-01
Saturated hydraulic conductivity (cm s^{-1})	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density (g cm^{-3})	1.21E+00
Threshold value of wind speed at 10m (m s^{-1})	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon (g g^{-1})	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	65
Default soil gas ingress rate?	Yes
Soil gas ingress rate ($cm^3\ s^{-1}$)	2.50E+01
Building ventilation rate ($cm^3\ s^{-1}$)	1.87E+04
Averaging time surface emissions (yr)	6
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)		5.00
Air dispersion factor at height of 0.8m *		2400.00
Air dispersion factor at height of 1.6m *		0.00
Fraction of site cover ($m^2\ m^{-2}$)		0.75

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction Average	Homegrown fraction High	Soil loading factor	Preparation correction factor
	$g\ DW\ g^{-1}\ FW$	dimensionless		$g\ g^{-1}\ DW$	dimensionless
Green vegetables	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	0.103	0.06	0.40	1.00E-03	1.00E+00
Tuber vegetables	0.210	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	0.058	0.06	0.40	1.00E-03	6.00E-01
Shrub fruit	0.166	0.09	0.60	1.00E-03	6.00E-01
Tree fruit	0.157	0.04	0.27	1.00E-03	6.00E-01

Gardener type None

CLEA Software Version 1.071

Report generated	29-May-21
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Lead (C4SL child)	3.57E+02	NR	NR	1.00	NR	NR	NR	No	No	Yes	Yes	No	Yes	No	No	No
2	Benzo[a]pyrene (C4SL child)	1.27E+01	3.89E+01	NR	1.00	0.33	NR	5.46E+00 (vap)	No	No	Yes	No	Yes	Yes	No	No	No
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Lead (C4SL child)	100.0	0.0	0.0	100.0	3.57E+02	NR	1.78E+02	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
2	Benzo[a]pyrene (C4SL child)	100.0	0.0	0.0	100.0	1.27E+01	5.00E-06	6.37E+00	5.43E-09	0.00E+00	6.60E-09	4.09E-08	0.00E+00	NA	NA	NA	NA	NA	NA
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Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Lead (C4SL child)	1.40E-03	0.00E+00	0.00E+00	3.77E-06	0.00E+00	0.00E+00	0.00E+00	99.73	0.00	0.00	0.27	0.00	0.00	0.00	0.00
2	Benzo[a]pyrene (C4SL child)	3.63E-05	0.00E+00	5.48E-06	2.11E-07	5.50E-09	0.00E+00	0.00E+00	86.44	0.00	13.05	0.50	0.01	0.00	0.00	0.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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		Oral Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Inhalation Health Criteria Value ($\mu g\ kg^{-1}\ BW\ day^{-1}$)		Oral Mean Daily Intake ($\mu g\ day^{-1}$)	Inhalation Mean Daily Intake ($\mu g\ day^{-1}$)	Air-water partition coefficient (K_{aw}) ($cm^3\ cm^{-3}$)	Coefficient of Diffusion in Air ($m^2\ s^{-1}$)	Coefficient of Diffusion in Water ($m^2\ s^{-1}$)	log K_{oc} ($cm^3\ g^{-1}$)	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor ($g\ g^{-1}$ DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Lead (C4SL child)	ID	1.4	NR	0	NR	NR	NR	NR	NR	NR	NR	0	0.5	1	**0.66**	0.64
2	Benzo[a]pyrene (C4SL child)	ID	0.042	ID	0.00066	NR	NR	1.76E-06	4.38E-06	3.67E-10	5.11	6.18	0.13	0.5	1	**0.48**	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3 g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Lead (C4SL child)	1.00E+03	NR	2.96E+05	**0.00069 fw**	**0.00053 fw**	**0.00016 fw**	**2.38172 fw**	**0.00007 fw**	**0.00002 fw**
2	Benzo[a]pyrene (C4SL child)	4.48E+03	2.00E-08	3.80E-03	**0.00076 fw**	**0.00021 fw**	**0.00043 fw**	0.00050 fw	0.00000 fw	0.00004 fw
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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Appendix J – CLEA Model for Portland Road CKG SSAC

CLEA Software Version 1.071

Report generated	26/05/2021
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

BASIC SETTINGS

Land Use	Public Open Space (park C4SL)						
Building	No building						
Receptor	Female (allot)	Start age class	1	End age class	6	Exposure Duration	6 years
Soil	Sandy loam						

Exposure Pathways

Direct soil and dust ingestion	✓	Dermal contact with indoor dust	✗	Inhalation of indoor dust	✗
Consumption of homegrown produce	✓	Dermal contact with soil	✓	Inhalation of soil dust	✓
Soil attached to homegrown produce	✓			Inhalation of indoor vapour	✗
				Inhalation of outdoor vapour	✓

Environment Agency

Land Use Public Open Space (park C4SL) **Receptor** Female (allot)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	85	**365**	0	85	0	85	0.0	2.0	0.00	0.10	**0.04**	5.60	0.7	10.3	0.32	0.26	3.43E-01
2	170	**365**	0	170	0	170	0.0	2.0	0.00	0.10	**0.04**	9.80	0.8	18.8	0.33	0.26	4.84E-01
3	170	**365**	0	170	0	170	0.0	2.0	0.00	0.10	**0.04**	12.70	0.9	20.7	0.32	0.25	5.82E-01
4	170	**365**	0	170	0	170	0.0	2.0	0.00	0.10	**0.04**	15.10	0.9	19.1	0.35	0.28	6.36E-01
5	170	**365**	0	170	0	170	0.0	2.0	0.00	0.10	**0.04**	16.90	1.0	21.3	0.35	0.28	7.04E-01
6	170	**365**	0	170	0	170	0.0	2.0	0.00	0.10	**0.04**	19.70	1.1	24.9	0.33	0.26	7.94E-01
7	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	22.10	1.2	17.6	0.22	0.15	8.73E-01
8	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	25.30	1.2	20.2	0.22	0.15	9.36E-01
9	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	27.50	1.3	21.8	0.22	0.15	1.01E+00
10	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	31.40	1.3	25.0	0.22	0.15	1.08E+00
11	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	35.70	1.4	28.4	0.22	0.14	1.19E+00
12	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	41.30	1.4	19.8	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	22.7	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	24.5	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	27.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	28.3	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	27.4	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	25.4	0.33	0.27	1.80E+00

Consumption Rates

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

	MEAN RATES						90TH PERCENTILE RATES					
Age Class	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1	3.47E+00	5.22E+00	9.22E+00	8.90E-01	1.07E+00	1.87E+00	7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
3	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
4	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
5	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
6	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
7	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
8	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
9	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
10	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
11	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
12	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
13	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
14	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
15	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
16	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
17	1.26E+00	6.00E-01	1.18E+00	6.90E-01	9.00E-02	1.27E+00	2.36E+00	1.12E+00	2.35E+00	1.29E+00	1.80E-01	2.38E+00
18	1.35E+00	6.40E-01	1.25E+00	7.40E-01	1.00E-01	1.36E+00	2.34E+00	1.12E+00	2.36E+00	1.28E+00	1.80E-01	2.37E+00

Top 2 applied? Yes

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building No building

Soil Sandy loam

Building footprint (m^2)	0.00E+00
Living space air exchange rate (hr^{-1})	0.00E+00
Living space height (above ground, m)	0.00E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	0.00E+00
Foundation thickness (m)	0.00E+00
Floor crack area (cm^2)	0.00E+00
Dust loading factor ($\mu g\ m^{-3}$)	0.00E+00

Porosity, Total ($cm^3\ cm^{-3}$)	5.30E-01
Porosity, Air-Filled ($cm^3\ cm^{-3}$)	2.00E-01
Porosity, Water-Filled ($cm^3\ cm^{-3}$)	3.30E-01
Residual soil water content ($cm^3\ cm^{-3}$)	1.20E-01
Saturated hydraulic conductivity ($cm\ s^{-1}$)	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density ($g\ cm^{-3}$)	1.21E+00
Threshold value of wind speed at 10m ($m\ s^{-1}$)	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon ($g\ g^{-1}$)	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	50
Default soil gas ingress rate?	Yes
Soil gas ingress rate ($cm^3\ s^{-1}$)	0.00E+00
Building ventilation rate ($cm^3\ s^{-1}$)	0.00E+00
Averaging time surface emissions (yr)	6
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)		5.00
Air dispersion factor at height of 0.8m *		120.00
Air dispersion factor at height of 1.6m *		280.00
Fraction of site cover ($m^2\ m^{-2}$)		0.75

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction		Soil loading factor	Preparation correction factor
		Average	High		
	g DW g^{-1} FW	dimensionless		g g^{-1} DW	dimensionless
Green vegetables	0.096	**0.01**	**0.07**	1.00E-03	2.00E-01
Root vegetables	0.103	**0.01**	**0.08**	1.00E-03	1.00E+00
Tuber vegetables	0.210	**0.00**	**0.03**	1.00E-03	1.00E+00
Herbaceous fruit	0.058	**0.01**	**0.08**	1.00E-03	6.00E-01
Shrub fruit	0.166	**0.02**	**0.12**	1.00E-03	6.00E-01
Tree fruit	0.157	**0.01**	**0.05**	1.00E-03	6.00E-01

Gardener type Average

CLEA Software Version 1.071

Report generated	26-May-21
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Lead (C4SL child)	1.42E+03	NR	NR	1.00	NR	NR	NR	No	No	Yes	Yes	No	Yes	No	No	No
2	Benzo[a]pyrene (C4SL child)	4.39E+01	1.70E+02	NR	1.00	0.26	NR	5.46E+00 (vap)	No	No	Yes	No	Yes	Yes	No	No	No
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group						
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Lead (C4SL child)	100.0	0.0	0.0	100.0	1.42E+03	NR	NA	1.21E-05	5.19E-06	NA	0.00E+00	0.00E+00	9.89E-01	7.56E-01	2.35E-01	3.39E-02	1.01E-01	3.75E-02
2	Benzo[a]pyrene (C4SL child)	100.0	0.0	0.0	100.0	4.39E+01	1.72E-05	NA	3.74E-07	1.60E-07	NA	2.82E-06	1.21E-06	3.34E-02	9.22E-03	1.89E-02	2.23E-02	2.47E-04	2.06E-03
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Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Lead (C4SL child)	1.30E-03	9.78E-05	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	92.99	6.98	0.00	0.03	0.00	0.00	0.00	0.00
2	Benzo[a]pyrene (C4SL child)	2.92E-05	2.86E-06	9.77E-06	2.00E-08	1.51E-07	0.00E+00	0.00E+00	69.51	6.82	23.27	0.05	0.00	0.36	0.00	0.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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Environment Agency

		Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Lead (C4SL child)	ID	1.4	NR	0	NR	NR	NR	NR	NR	NR	NR	0	0.5	1	**0.66**	0.64
2	Benzo[a]pyrene (C4SL child)	ID	0.042	ID	0.00066	NR	NR	1.76E-06	4.38E-06	3.67E-10	5.11	6.18	0.13	0.5	1	**0.48**	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3 g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Lead (C4SL child)	1.00E+03	NR	2.96E+05	**0.00069 fw**	**0.00053 fw**	**0.00016 fw**	**2.38172 fw**	**0.00007 fw**	**0.00002 fw**
2	Benzo[a]pyrene (C4SL child)	4.48E+03	2.00E-08	3.80E-03	**0.00076 fw**	**0.00021 fw**	**0.00043 fw**	0.00050 fw	0.00000 fw	0.00004 fw
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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Appendix J – CLEA Model for Portland Road CKG SSAC

CLEA Software Version 1.071

Report generated	26/05/2021
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

BASIC SETTINGS

Land Use	Public Open Space (res C4SL)						
Building	Small terraced house						
Receptor	Female (res C4SL)	Start age class	4	End age class	9	Exposure Duration	6 years
Soil	Sandy loam						

Exposure Pathways

Direct soil and dust ingestion	✓	Dermal contact with indoor dust	✓	Inhalation of indoor dust	✓
Consumption of homegrown produce	✗	Dermal contact with soil	✓	Inhalation of soil dust	✓
Soil attached to homegrown produce	✗			Inhalation of indoor vapour	✗
				Inhalation of outdoor vapour	✓

Environment Agency

Land Use Public Open Space (res C4SL) **Receptor** Female (res C4SL)

Age Class	Exposure Frequencies (days yr^{-1})						Occupation Periods (hr day^{-1})		Soil to skin adherence factors (mg cm^2)		Direct soil ingestion rate (g day^{-1})	Body weight (kg)	Body height (m)	Inhalation rate (m^3 day^{-1})	Max exposed skin factor		Total skin area (m^2)
	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with indoor dust	Dermal contact with soil	Inhalation of dust and vapour, indoor	Inhalation of dust and vapour, outdoor	Indoors	Outdoors	Indoor	Outdoor					Indoor (m^2 m^{-2})	Outdoor (m^2 m^{-2})	
1	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	5.60	0.7	5.4	0.32	0.26	3.43E-01
2	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	9.80	0.8	8.0	0.33	0.26	4.84E-01
3	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	12.70	0.9	8.9	0.32	0.25	5.82E-01
4	365	0	365	170	365	170	23.0	1.0	0.06	0.10	**0.06**	15.10	0.9	10.1	0.35	0.28	6.36E-01
5	365	0	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	16.90	1.0	10.1	0.35	0.28	7.04E-01
6	365	0	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	19.70	1.1	10.1	0.33	0.26	7.94E-01
7	365	0	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	22.10	1.2	12.0	0.22	0.15	8.73E-01
8	365	0	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	25.30	1.2	12.0	0.22	0.15	9.36E-01
9	365	0	365	170	365	170	19.0	1.0	0.06	0.10	**0.06**	27.50	1.3	12.0	0.22	0.15	1.01E+00
10	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	31.40	1.3	12.0	0.22	0.15	1.08E+00
11	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	35.70	1.4	12.0	0.22	0.14	1.19E+00
12	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	41.30	1.4	15.2	0.22	0.14	1.29E+00
13	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	47.20	1.5	15.2	0.22	0.14	1.42E+00
14	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	51.20	1.6	15.2	0.22	0.14	1.52E+00
15	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	56.70	1.6	15.2	0.21	0.14	1.60E+00
16	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	59.00	1.6	15.2	0.21	0.14	1.63E+00
17	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.00	1.6	15.7	0.33	0.27	1.78E+00
18	0	0	0	0	0	0	0.0	0.0	0.00	0.00	0.00	70.90	1.6	13.6	0.33	0.27	1.80E+00

Consumption Rates

Consumption rates (g FW kg^{-1} bodyweight day^{-1}) by Produce Group

	MEAN RATES						90TH PERCENTILE RATES					
Age Class	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit	Green veg	Root veg	Tuber veg	Herb. Fruit	Shrub fruit	Tree fruit
1	3.47E+00	5.22E+00	9.22E+00	8.90E-01	1.07E+00	1.87E+00	7.12E+00	1.07E+01	1.60E+01	1.83E+00	2.23E+00	3.82E+00
2	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
3	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
4	3.34E+00	1.61E+00	3.14E+00	1.93E+00	2.60E-01	5.84E+00	5.87E+00	2.83E+00	6.60E+00	3.39E+00	4.60E-01	1.03E+01
5	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
6	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
7	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
8	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
9	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
10	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
11	2.54E+00	1.20E+00	2.65E+00	1.25E+00	1.10E-01	2.89E+00	4.53E+00	2.14E+00	4.95E+00	2.24E+00	1.90E-01	5.16E+00
12	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
13	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
14	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
15	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
16	1.03E+00	4.90E-01	1.60E+00	5.10E-01	4.00E-02	1.18E+00	1.87E+00	8.90E-01	3.05E+00	9.30E-01	8.00E-02	2.13E+00
17	1.26E+00	6.00E-01	1.18E+00	6.90E-01	9.00E-02	1.27E+00	2.36E+00	1.12E+00	2.35E+00	1.29E+00	1.80E-01	2.38E+00
18	1.35E+00	6.40E-01	1.25E+00	7.40E-01	1.00E-01	1.36E+00	2.34E+00	1.12E+00	2.36E+00	1.28E+00	1.80E-01	2.37E+00

Top 2 applied? Yes

Where top 2 method is applied, two produce categories use 90th percentile rates, while the remainder use the mean. Produce categories vary on a chemical-by-chemical basis. Where top 2 method is not used, all produce categories for all chemicals assume 90th percentile rates.

Building Small terraced house

Soil Sandy loam

Building footprint (m^2)	2.80E+01
Living space air exchange rate (hr^{-1})	5.00E-01
Living space height (above ground, m)	4.80E+00
Living space height (below ground, m)	0.00E+00
Pressure difference (soil to enclosed space, Pa)	3.10E+00
Foundation thickness (m)	1.50E-01
Floor crack area (cm^2)	4.23E+02
Dust loading factor (µg m^{-3})	5.00E+01

Porosity, Total (cm^3 cm^{-3})	5.30E-01
Porosity, Air-Filled (cm^3 cm^{-3})	2.00E-01
Porosity, Water-Filled (cm^3 cm^{-3})	3.30E-01
Residual soil water content (cm^3 cm^{-3})	1.20E-01
Saturated hydraulic conductivity (cm s^{-1})	3.56E-03
van Genuchten shape parameter *m* (dimensionless)	3.20E-01
Bulk density (g cm^{-3})	1.21E+00
Threshold value of wind speed at 10m (m s^{-1})	7.20E+00
Empirical function (F_x) for dust model (dimensionless)	1.22E+00
Ambient soil temperature (K)	2.83E+02
Soil pH	7.00E+00
Soil Organic Matter content (%)	6.00E+00
Fraction of organic carbon (g g^{-1})	3.48E-02
Effective total fluid saturation (unitless)	5.12E-01
Intrinsic soil permeability (cm^2)	4.75E-08
Relative soil air permeability (unitless)	6.42E-01
Effective air permeability (cm^2)	3.05E-08

Soil - Vapour Model

Depth to top of source (no building) (cm)	0
Depth to top of source (beneath building) (cm)	65
Default soil gas ingress rate?	Yes
Soil gas ingress rate ($cm^3\ s^{-1}$)	2.50E+01
Building ventilation rate ($cm^3\ s^{-1}$)	1.87E+04
Averaging time surface emissions (yr)	6
Finite vapour source model?	No
Thickness of contaminated layer (cm)	200

Air Dispersion Model

Mean annual windspeed at 10m ($m\ s^{-1}$)		5.00
Air dispersion factor at height of 0.8m *		500.00
Air dispersion factor at height of 1.6m *		2000.00
Fraction of site cover ($m^2\ m^{-2}$)		0.5

* Air dispersion factor in $g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$

Soil - Plant Model

	Dry weight conversion factor	Homegrown fraction		Soil loading factor	Preparation correction factor
		Average	High		
	g DW g^{-1} FW	dimensionless		g g^{-1} DW	dimensionless
Green vegetables	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	0.103	0.06	0.40	1.00E-03	1.00E+00
Tuber vegetables	0.210	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	0.058	0.06	0.40	1.00E-03	6.00E-01
Shrub fruit	0.166	0.09	0.60	1.00E-03	6.00E-01
Tree fruit	0.157	0.04	0.27	1.00E-03	6.00E-01

Gardener type None

CLEA Software Version 1.071

Report generated	26-May-21
Report title	Grenfell Investigation into Potential Land Contamination Impacts
Created by	DJD at AECOM

RESULTS

Environment Agency

		Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group					
		oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
1	Lead (C4SL child)	7.10E+02	NR	NR	1.00	NR	NR	NR	No	No	Yes	Yes	No	Yes	No	No	No
2	Benzo[a]pyrene (C4SL child)	2.39E+01	5.02E+01	NR	1.00	0.48	NR	5.46E+00 (vap)	No	No	Yes	No	Yes	Yes	No	No	No
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Environment Agency

	Assessment Criterion (mg kg^{-1})			Ratio of ADE to HCV			Saturation Limit (mg kg^{-1})	50% rule?		Top Two applied?	Apply Top 2 Approach to Produce Group						
	oral	inhalation	combined	oral	inhalation	combined		Oral	Inhal		Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
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Environment Agency

		Soil Distribution				Media Concentrations													
		Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
		%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
1	Lead (C4SL child)	100.0	0.0	0.0	100.0	7.10E+02	NR	3.55E+02	2.90E-06	7.26E-07	NA	0.00E+00	0.00E+00	NA	NA	NA	NA	NA	NA
2	Benzo[a]pyrene (C4SL child)	100.0	0.0	0.0	100.0	2.39E+01	9.38E-06	1.19E+01	9.76E-08	2.44E-08	NA	3.68E-07	9.21E-08	NA	NA	NA	NA	NA	NA
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Environment Agency

	Soil Distribution				Media Concentrations													
	Sorbed	Dissolved	Vapour	Total	Soil	Soil gas	Indoor Dust	Outdoor dust at 0.8m	Outdoor dust at 1.6m	Indoor Vapour	Outdoor vapour at 0.8m	Outdoor vapour at 1.6m	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit
	%	%	%	%	mg kg^{-1}	mg m^{-3}	mg kg^{-1}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW	mg kg^{-1} FW
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Environment Agency

		Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
		Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
1	Lead (C4SL child)	1.39E-03	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00	99.58	0.00	0.00	0.42	0.00	0.00	0.00	0.00
2	Benzo[a]pyrene (C4SL child)	3.41E-05	0.00E+00	7.59E-06	3.10E-07	3.85E-09	0.00E+00	0.00E+00	81.18	0.00	18.07	0.74	0.00	0.01	0.00	0.00
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Environment Agency

	Average Daily Exposure (mg kg^{-1} bw day^{-1})							Distribution by Pathway (%)							
	Direct soil ingestion	Consumption of homegrown produce and attached soil	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour	Background (oral)	Background (inhalation)	Direct soil ingestion	Consumption of homegrown produce	Dermal contact with soil and dust	Inhalation of dust	Inhalation of vapour (indoor)	Inhalation of vapour (outdoor)	Background (oral)	Background (inhalation)
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Environment Agency

		Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
1	Lead (C4SL child)	ID	1.4	NR	0	NR	NR	NR	NR	NR	NR	NR	0	0.5	1	**0.66**	0.64
2	Benzo[a]pyrene (C4SL child)	ID	0.042	ID	0.00066	NR	NR	1.76E-06	4.38E-06	3.67E-10	5.11	6.18	0.13	0.5	1	**0.48**	1
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Environment Agency

	Oral Health Criteria Value (µg kg^{-1} BW day^{-1})		Inhalation Health Criteria Value (µg kg^{-1} BW day^{-1})		Oral Mean Daily Intake (µg day^{-1})	Inhalation Mean Daily Intake (µg day^{-1})	Air-water partition coefficient (K_{aw}) (cm^3 cm^{-3})	Coefficient of Diffusion in Air (m^2 s^{-1})	Coefficient of Diffusion in Water (m^2 s^{-1})	log K_{oc} (cm^3 g^{-1})	log K_{ow} (dimensionless)	Dermal Absorption Fraction (dimensionless)	Soil-to-dust transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability via soil ingestion (unitless)	Relative bioavailability via dust inhalation (unitless)
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Environment Agency

		Soil-to-water partition coefficient ($cm^3 g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
1	Lead (C4SL child)	1.00E+03	NR	2.96E+05	**0.00069 fw**	**0.00053 fw**	**0.00016 fw**	**2.38172 fw**	**0.00007 fw**	**0.00002 fw**
2	Benzo[a]pyrene (C4SL child)	4.48E+03	2.00E-08	3.80E-03	**0.00076 fw**	**0.00021 fw**	**0.00043 fw**	0.00050 fw	0.00000 fw	0.00004 fw
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Environment Agency

	Soil-to-water partition coefficient ($cm^3\ g^{-1}$)	Vapour pressure (Pa)	Water solubility ($mg\ L^{-1}$)	Soil-to-plant concentration factor for green vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for root vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tuber vegetables (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for herbaceous fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for shrub fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)	Soil-to-plant concentration factor for tree fruit (mg g^{-1} plant DW or FW basis over mg g^{-1} DW soil)
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