

Norwich Western Link

Environmental Statement Chapter 13: Geology & Soils

Appendix 13.3: Ground Contamination Interpretive Report

Sub Appendix C: Soil, leachate and groundwater screening sheets

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1 Introduction

- 1.1.1 This document contains the soil, leachate and groundwater screening sheets which show the results of the environmental sampling undertaken from various exploratory holes across the site. The results have been screened against generic assessment criteria relevant to the receptors for each medium within the Site Boundary.
The summary of the results is discussed within Section 6 of the Ground Contamination Interpretive Report.
- 1.1.2 We have included a summary of key information shown in this document in an accessible format. However, some users may not be able to access all technical details. If you require this document in a more accessible format please contact: norwichwesternlink@norfolk.gov.uk

Lab Sample Number	2028925	2028926	2030842	2030843	2032029	2033389	2033390	2033391	2033392	2034882	2034883	2036338	2036339	2036340	2036858	2036859	2042586	2042587	2042588	2042702	2042703	2045964	2045965	2051218	2051219		
Sample Reference	BHR25	CP10	TP33	TP33	TP37	CP11	CP11	TP42	TP42	TP43	WS29	TP48	TP48	TP50	TP06	TP06	BHR22	BHR23	BHR23	CP13A	CP13A	BHR21	BHR21	BHR12	BHR12		
Sample Number	1	2	1	2	5	1	4	1	3	4	2	1	2	5	1	4	1	3	2	2	3	3	5	1	2		
Depth (m)	0.00-0.45	0.50-0.50	0.20-0.20	0.50-0.50	3.00-3.00	0.20-0.20	3.00-3.00	0.20-0.20	1.00-1.00	2.00-2.00	0.50-0.50	0.20-0.20	0.50-0.50	3.00-3.00	0.20-0.20	2.00-2.00	0.1	1	0.5	0.50-0.50	1.00-1.00	1	3	0.2	0.7		
Date Sampled	27/09/2021	27/09/2021	28/09/2021	28/09/2021	28/09/2021	29/09/2021	29/09/2021	29/09/2021	29/09/2021	30/09/2021	30/09/2021	01/10/2021	01/10/2021	01/10/2021	04/10/2021	07/10/2021	07/10/2021	07/10/2021	08/10/2021	08/10/2021	11/10/2021	11/10/2021	14/10/2021	14/10/2021			
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Strata	Topsoil	Superficial (sand)	Topsoil	Superficial (sand)	Superficial (sand)	Topsoil	Superficial (clay)	Topsoil	Superficial (sand)	Superficial (clay)	Superficial (sand)	Topsoil	Superficial (clay)	Superficial (clay)	Topsoil	Chalk	Topsoil	Superficial (sand)	Superficial (sand)	Superficial (clay)	Superficial (clay)	Superficial (clay)	Chalk	Topsoil	Superficial (sand)		
Analytical Parameter (Soil Analysis)	Units	Limit of Detection	Accreditation Status	Client Specified Class	Ramsoft Calculator public open space																						
Speciated PAHs																											
Naphthalene	mg/kg	0.05	MCERTS	1240	< 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	< 0.05	< 0.05	
Acenaphthylene	mg/kg	0.05	MCERTS	28000	< 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	< 0.05	< 0.05	
Acenaphthene	mg/kg	0.05	MCERTS	28000	< 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	< 0.05	< 0.05	
Fluorene	mg/kg	0.05	MCERTS	19000	< 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	< 0.05	< 0.05	
Phenanthrene	mg/kg	0.05	MCERTS	6200	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.92	< 0.05	0.98	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Anthracene	mg/kg	0.05	MCERTS	15000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.18	< 0.05	0.29	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Fluoranthene	mg/kg	0.05	MCERTS	6300	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.88	< 0.05	0.8	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Pyrene	mg/kg	0.05	MCERTS	15000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.68	< 0.05	0.69	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Benzo(a)anthracene	mg/kg	0.05	MCERTS		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.4	< 0.05	0.43	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Chrysene	mg/kg	0.05	MCERTS		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.26	< 0.05	0.29	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.3	< 0.05	0.32	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS		< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.2	< 0.05	0.19	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Benzo(a)pyrene	mg/kg	0.05	MCERTS	11	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.26	< 0.05	0.3	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS		< 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	< 0.05	< 0.05	
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS		< 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	< 0.05	< 0.05	
Benzo(ghi)perylene	mg/kg	0.05	MCERTS		< 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	< 0.05	< 0.05	
Coronene	mg/kg	0.05	NONE		< 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	< 0.05	< 0.05	
Total PAH																											
Total WAC-17 PAHs	mg/kg	0.85	NONE		< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	4.08	< 0.85	4.48	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	
Heavy Metals / Metalloids																											
Antimony (aqua regia extractable)	mg/kg	1	ISO 17025		< 1.0	< 1.0	1.5	2.8	< 1.0	< 1.0	3.3	< 1.0	4.6	< 1.0	< 1.0	< 1.0	< 1.0	2.8	1.8	4.5	< 1.0	1.9	< 1.0	3.6	< 1.0	< 1.0	
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	168	2.7	5.5	8.5	6.1	7.9	8.8	8.8	9.8	11	14	8.5	9.7	15	7.3	6.2	6.4	7.4	7.7	6.7	13	18	8.3	
Barium (aqua regia extractable)	mg/kg	1	MCERTS		8.5	14	17	22	8.5	24	29	26	38	35	26	37	36	30	14	25	28	31	35	57	15	8.2	
Boron (water soluble)	mg/kg	0.2	MCERTS		< 0.2	< 0.2	< 0.2	< 0.2	0.2	0.2	0.2	0.3	0.3	0.7	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.8	0.2	< 0.2	0.8	< 0.2	
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	555	< 0.2	< 0.2	< 0.2	< 0.2	0.2	0.4	0.3	0.3	0.3	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.7	< 0.2	< 0.2	< 0.2	
Chromium (hexavalent)	mg/kg	4	NONE	69	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	
Chromium (III)	mg/kg	1	NONE	58000	12	7.3	11	17	6.7	13	20	14	17	23	14	18	28	18	8.1	2.1	10	16	11	26	38	11	
Chromium (aqua regia extractable)	mg/kg	1	MCERTS		12	7.5	11	17	6.8	13	20	14	17	23	14	19	28	18	8.3	2.1	10	16	11	26	38	14	
Copper (aqua regia extractable)	mg/kg	1	MCERTS	44400	2.9	5.9	6.2	7.8	5.4	16	16	8.1	9.9	17	12	16	16	11	5.3	17	18	5.3	19	28	8.6	2.6	
Lead (aqua regia extractable)	mg/kg	1	MCERTS	808	3.7	8.4	11	10	4	14	9.6	14	11	13	10	17	16	12	7.9	10	15	17	4.1	16	13	2.5	
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	242	< 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	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	804	6.5	6.3	7.8	12	7.2	12	23	12	20	27	14	15	24	22	6.2	2.6	6.6	10	8.6	34	12	1.5	
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1850	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS		9.5	13	18	29	16	22	33	23	32	42	26	26	40	26	13	5.3	17	16	19	39	57	9	
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	173000	18	25	28	34	23	42	49	35	41	54	32	45	55	59	31	20	42	30	31	55	82	18	
Monoaromatics & Oxygenates																											
Benzene	µg/kg	1	MCERTS	9000	-	-	-	-	-	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	µg/kg	1	MCERTS	8720000	-	-	-	-	-	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Ethylbenzene	µg/kg	1	MCERTS	16500000	-	-	-	-	-	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
p & m-xylene	µg/kg	1	MCERTS	16600000	-	-	-	-	-	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
o-xylene	µg/kg	1	MCERTS	1600000	-	-	-	-	-	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS		-	-	-	-	-																		

Lab Sample Number	2028925	2028926	2030842	2030843	2032029	2033389	2033390	2033391	2033392	2034882	2034883	2036338	2036339	2036340	2036858	2036859	2042586	2042587	2042588	2042702	2042703	2045964	2045965	2051218	2051219		
Sample Reference	BHR35	CP10	TP33	TP33	TP37	CP11	CP11	TP42	TP42	TP43	WS29	TP48	TP48	TP50	TP06	TP06	BHR22	BHR22	BHR23	CP13A	CP13A	BHR21	BHR21	BHR12	BHR12		
Sample Number	1	2	1	2	5	1	4	1	3	4	2	2	5	1	4	1	3	2	2	2	3	3	5	1	2		
Depth (m)	0.00-0.45	0.50-0.50	0.20-0.20	0.50-0.50	3.00-3.00	0.20-0.20	3.00-3.00	0.20-0.20	1.00-1.00	2.00-2.00	0.50-0.50	0.20-0.20	0.50-0.50	3.00-3.00	0.20-0.20	2.00-2.00	0.1	1	0.5	0.50-0.50	1.00-1.00	1	3	0.2	0.7		
Date Sampled	27/09/2021	27/09/2021	28/09/2021	28/09/2021	28/09/2021	29/09/2021	29/09/2021	29/09/2021	29/09/2021	30/09/2021	30/09/2021	01/10/2021	01/10/2021	01/10/2021	04/10/2021	07/10/2021	07/10/2021	07/10/2021	08/10/2021	08/10/2021	08/10/2021	11/10/2021	11/10/2021	14/10/2021	14/10/2021		
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Strata	Topsoil	Superficial (sand)	Topsoil	Superficial (sand)	Superficial (sand)	Topsoil	Superficial (clay)	Topsoil	Superficial (sand)	Superficial (clay)	Superficial (sand)	Topsoil	Superficial (clay)	Superficial (clay)	Topsoil	Chalk	Topsoil	Superficial (sand)	Superficial (sand)	Superficial (clay)	Superficial (clay)	Superficial (clay)	Chalk	Topsoil	Superficial (sand)		
Analytical Parameter (Soil Analysis)	Units	Limit of Detection	Accreditation Status	Class-Specific CLAs	Ransom Gate for public open space																						
4-Chlorotoluene	µg/kg	1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
tert-Butylbenzene	µg/kg	1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
sec-Butylbenzene	µg/kg	1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,3-Dichlorobenzene	µg/kg	1	ISO 17025			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
p-Isopropyltoluene	µg/kg	1	ISO 17025			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,2-Dichlorobenzene	µg/kg	1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,4-Dichlorobenzene	µg/kg	1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Butylbenzene	µg/kg	1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hexachlorobutadiene	µg/kg	1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SVOCs																											
Aniline	mg/kg	0.1	NONE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phenol	mg/kg	0.2	ISO 17025			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Chlorophenol	mg/kg	0.1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bis(2-chloroethoxy)ether	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methylphenol	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hexachloroethane	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrobenzene	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Methylphenol	mg/kg	0.2	NONE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Isophorone	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Nitrophenol	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4-Dimethylphenol	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Naphthalene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4-Dichlorophenol	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Chloroaniline	mg/kg	0.1	NONE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobutadiene	mg/kg	0.1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Chloro-3-methylphenol	mg/kg	0.1	NONE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methylnaphthalene	mg/kg	0.1	NONE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Chloronaphthalene	mg/kg	0.1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dimethylphthalate	mg/kg	0.1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acenaphthylene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acenaphthene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenzofuran	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diethyl phthalate	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Nitroaniline	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluorene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Azobenzene	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobenzene	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phenanthrene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Anthracene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carbazole	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibutyl phthalate	mg/kg	0.2	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Anthraquinone	mg/kg	0.3	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluoranthene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)anthracene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chrysene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene	mg/kg	0.05	MCERTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS			-	-	-</																			

Lab Sample Number	2028925	2028926	2030842	2030843	2032029	2033389	2033390	2033391	2033392	2034882	2034883	2036338	2036339	2036340	2036858	2036859	2042586	2042587	2042588	2042702	2042703	2045964	2045965	2051218	2051219
Sample Reference	BHR25	CP10	TP33	TP33	TP37	CP11	CP11	TP42	TP42	TP43	WS29	TP48	TP48	TP50	TP06	TP06	BHR22	BHR22	BHR23	CP13A	CP13A	BHR21	BHR21	BHR12	BHR12
Sample Number	1	2	1	2	5	1	4	1	3	4	2	1	2	5	1	4	1	3	2	2	3	3	5	1	2
Depth (m)	0.00-0.45	0.50-0.50	0.20-0.20	0.50-0.50	3.00-3.00	0.20-0.20	3.00-3.00	0.20-0.20	1.00-1.00	2.00-2.00	0.50-0.50	0.20-0.20	0.50-0.50	3.00-3.00	0.20-0.20	2.00-2.00	0.1	0.20-0.20	0.5	0.50-0.50	1.00-1.00	1	3	0.2	0.7
Date Sampled	27/09/2021	27/09/2021	28/09/2021	28/09/2021	28/09/2021	29/09/2021	29/09/2021	29/09/2021	29/09/2021	30/09/2021	30/09/2021	01/10/2021	01/10/2021	01/10/2021	04/10/2021	04/10/2021	07/10/2021	07/10/2021	07/10/2021	08/10/2021	08/10/2021	11/10/2021	11/10/2021	14/10/2021	14/10/2021
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Strata	Topsoil	Superficial (sand)	Topsoil	Superficial (sand)	Superficial (sand)	Topsoil	Superficial (clay)	Topsoil	Superficial (sand)	Superficial (clay)	Superficial (sand)	Topsoil	Superficial (clay)	Superficial (clay)	Topsoil	Chalk	Topsoil	Superficial (sand)	Superficial (sand)	Superficial (clay)	Superficial (clay)	Superficial (clay)	Chalk	Topsoil	Superficial (sand)
Analytical Parameter (Soil Analysis)	Units	Line of Selection	Accreditation Status	Class Specified	Ramrod Catalyst public/open space																				
Endrin	µg/kg	20	NONE			< 20		< 20			< 20	< 20	< 20		< 20		< 20							< 20	
Endrin aldehyde	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Endrin ketone	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Ethion	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Ethionfos	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Fenitrothion	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Fenthion	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Fenvalerate (Sum)	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Heptachlor	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Heptachlor exo-epoxide	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Hexachlorobenzene	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Hexachlorobutadiene	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Isodrin	µg/kg	20	NONE			< 20		< 20			< 20	< 20	< 20		< 20		< 20							< 20	
Malathion	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Methoxychlor	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Methoxychlor, p,p'	µg/kg	20	NONE			< 20		< 20			< 20	< 20	< 20		< 20		< 20							< 20	
Mesinphos, E+Z	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Omethoate	µg/kg	20	NONE			< 20		< 20			< 20	< 20	< 20		< 20		< 20							< 20	
Parathion	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Parathion-methyl	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Pendimethalin	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Pentachlorobenzene	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Permethrin, Cis-	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Permethrin, Trans-	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Phorate	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Phosalone	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Phosphamidon (Sum)	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Pirimiphos-ethyl	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Pirimiphos-methyl	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Propetamphos	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Propyzamide	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Tebufos	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Trifluralin	µg/kg	10	NONE			< 10		< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Herbicides																									
Aldicarb	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Aldicarb Sulfone	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Aldicarb Sulfoxide	µg/kg	50	NONE					< 50			< 50	< 50	< 50		< 50		< 50							< 50	
Atrazine	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Carbaryl	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Carbofuran	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Carbofuran, 3-OH	µg/kg	20	NONE					< 20			< 20	< 20	< 20		< 20		< 20							< 20	
Chlortoluron	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Cyanazine	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Diffenbuzuron	µg/kg	50	NONE					< 50			< 50	< 50	< 50		< 50		< 50							< 50	
Diuron	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Flumetsuron	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Isoflurosuron	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Linuron	µg/kg	20	NONE					< 20			< 20	< 20	< 20		< 20		< 20							< 20	
Methiocarb	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Methomyl	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Oxamyl	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Prometryn	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Propazine	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Propoxur	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Siduron	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Simazine	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Tebuthiuron	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Terbutylazine	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	
Terbutryn	µg/kg	10	NONE					< 10			< 10	< 10	< 10		< 10		< 10							< 10	

2052877	2055710	2061399	2061400	2064048	2064049	2064050	2068751	2070896	2076061	2137859	2137860	2137861	2137862	2137863
WS12	BHR17	TP25	WS23	BHR19	WS10	WS11	TP04	TP27	BHR15	PC-001	PC-002	PC-003	PC-006	PC-009
4	3	2	5	2	3	2	1	1	3	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
1.90-2.00	1.00-1.00	0.50	2.70-3.00	1.00-1.00	1.00-1.30	0.40-0.70	0.20-0.20	0.20	1.00-1.00	0.03-0.07	0.18-0.26	0.03-0.27	0.00-0.03	0.08-0.18
18/10/2021	19/10/2021	22/10/2021	22/10/2021	25/10/2021	25/10/2021	25/10/2021	28/10/2021	02/11/2021	05/11/2021	29/11/2021	29/11/2021	29/11/2021	29/11/2021	29/11/2021
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Chalk	Superficial (silt)	Superficial (sand)	Superficial (sand)	Superficial (clay)	Superficial (sand)	Peat	MG	Topsoil	Peat	Pavement Core	Pavement Core	Pavement Core	Pavement Core	Pavement Core
8.3	7.8	7.1	7.3	6.7	7.8	6.7	7.9	7.3	7.3	-	-	-	-	-
-	-	-	-	-	-	-	< 10	-	-	-	-	-	-	-
-	-	-	-	-	-	-	3.0	-	-	-	-	-	-	-
5.16	15.8	5.44	3.13	23.9	7.65	14.0	-	6.67	21.7	-	-	-	-	-
34.9	149	13.2	16.5	117	57.1	63.9	-	22.4	30.5	-	-	-	-	-
-	-	-	-	-	-	-	< 10	-	-	< 10	< 10	< 10	< 10	< 10
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
-	-	-	-	-	-	-	< 0.2	-	-	-	-	-	-	-
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	-	< 1.7	7.6	-	-	-	-	-
< 1.0	5.7	1.7	< 1.0	< 1.0	10	< 1.0	7.6	5.6	7.4	-	-	-	-	-
9.6	22	7.4	6.8	24	21	21	-	8.6	9.6	-	-	-	-	-
17	46	17	< 10	68	18	82	23	27	57	-	-	-	-	-
< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	0.25	-	-	-	-	-
< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	-	-	< 5.0	-	-	-	-	-
< 1.0	< 1.0	< 1.0	1.1	< 1.0	1.1	< 1.0	-	-	< 1.0	-	-	-	-	-
< 0.4	< 0.4	0.5	1.1	< 0.4	1.1	< 0.4	2.1	2.4	0.4	-	-	-	-	-
4.1	5.5	1.3	< 0.7	7.0	4.5	6.4	11	6.4	6.7	-	-	-	-	-
< 1.0	< 1.0	< 1.0	2.8	< 1.0	< 1.0	< 1.0	5.2	3.9	3.6	-	-	-	-	-
< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-	-	-
2.5	6.6	4.0	4.7	4.9	4.3	4.5	6.7	6.4	5.8	-	-	-	-	-
< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	-	< 4.0	5.1	-	-	-	-	-

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Date Sampled	Time Taken	Response zone	Response strata	Sampling round 1										Sampling round 2										Sampling round 3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
								2170711	2170712	2170713	2170714	2170715	2170716	2170717	2168158	2166423	2588059	2588060	2588061	2588062	2588063	2588064	2588065	2588066	2588067	2623540	2623541	2623542	2623543	2623544	2628016	2628017	2623545	2623546	2623547																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
								W507	W529	W531	W533	W535	W537	W539	W541	W543	W545	W547	W549	W551	W553	W555	W557	W559	W561	W563	W565	W567	W569	W571	W573	W575	W577	W579	W581	W583	W585	W587	W589	W591	W593	W595	W597	W599	W601	W603	W605	W607	W609	W611	W613	W615	W617	W619	W621	W623	W625	W627	W629	W631	W633	W635	W637	W639	W641	W643	W645	W647	W649	W651	W653	W655	W657	W659	W661	W663	W665	W667	W669	W671	W673	W675	W677	W679	W681	W683	W685	W687	W689	W691	W693	W695	W697	W699	W701	W703	W705	W707	W709	W711	W713	W715	W717	W719	W721	W723	W725	W727	W729	W731	W733	W735	W737	W739	W741	W743	W745	W747	W749	W751	W753	W755	W757	W759	W761	W763	W765	W767	W769	W771	W773	W775	W777	W779	W781	W783	W785	W787	W789	W791	W793	W795	W797	W799	W801	W803	W805	W807	W809	W811	W813	W815	W817	W819	W821	W823	W825	W827	W829	W831	W833	W835	W837	W839	W841	W843	W845	W847	W849	W851	W853	W855	W857	W859	W861	W863	W865	W867	W869	W871	W873	W875	W877	W879	W881	W883	W885	W887	W889	W891	W893	W895	W897	W899	W901	W903	W905	W907	W909	W911	W913	W915	W917	W919	W921	W923	W925	W927	W929	W931	W933	W935	W937	W939	W941	W943	W945	W947	W949	W951	W953	W955	W957	W959	W961	W963	W965	W967	W969	W971	W973	W975	W977	W979	W981	W983	W985	W987	W989	W991	W993	W995	W997	W999	W1001	W1003	W1005	W1007	W1009	W1011	W1013	W1015	W1017	W1019	W1021	W1023	W1025	W1027	W1029	W1031	W1033	W1035	W1037	W1039	W1041	W1043	W1045	W1047	W1049	W1051	W1053	W1055	W1057	W1059	W1061	W1063	W1065	W1067	W1069	W1071	W1073	W1075	W1077	W1079	W1081	W1083	W1085	W1087	W1089	W1091	W1093	W1095	W1097	W1099	W1101	W1103	W1105	W1107	W1109	W1111	W1113	W1115	W1117	W1119	W1121	W1123	W1125	W1127	W1129	W1131	W1133	W1135	W1137	W1139	W1141	W1143	W1145	W1147	W1149	W1151	W1153	W1155	W1157	W1159	W1161	W1163	W1165	W1167	W1169	W1171	W1173	W1175	W1177	W1179	W1181	W1183	W1185	W1187	W1189	W1191	W1193	W1195	W1197	W1199	W1201	W1203	W1205	W1207	W1209	W1211	W1213	W1215	W1217	W1219	W1221	W1223	W1225	W1227	W1229	W1231	W1233	W1235	W1237	W1239	W1241	W1243	W1245	W1247	W1249	W1251	W1253	W1255	W1257	W1259	W1261	W1263	W1265	W1267	W1269	W1271	W1273	W1275	W1277	W1279	W1281	W1283	W1285	W1287	W1289	W1291	W1293	W1295	W1297	W1299	W1301	W1303	W1305	W1307	W1309	W1311	W1313	W1315	W1317	W1319	W1321	W1323	W1325	W1327	W1329	W1331	W1333	W1335	W1337	W1339	W1341	W1343	W1345	W1347	W1349	W1351	W1353	W1355	W1357	W1359	W1361	W1363	W1365	W1367	W1369	W1371	W1373	W1375	W1377	W1379	W1381	W1383	W1385	W1387	W1389	W1391	W1393	W1395	W1397	W1399	W1401	W1403	W1405	W1407	W1409	W1411	W1413	W1415	W1417	W1419	W1421	W1423	W1425	W1427	W1429	W1431	W1433	W1435	W1437	W1439	W1441	W1443	W1445	W1447	W1449	W1451	W1453	W1455	W1457	W1459	W1461	W1463	W1465	W1467	W1469	W1471	W1473	W1475	W1477	W1479	W1481	W1483	W1485	W1487	W1489	W1491	W1493	W1495	W1497	W1499	W1501	W1503	W1505	W1507	W1509	W1511	W1513	W1515	W1517	W1519	W1521	W1523	W1525	W1527	W1529	W1531	W1533	W1535	W1537	W1539	W1541	W1543	W1545	W1547	W1549	W1551	W1553	W1555	W1557	W1559	W1561	W1563	W1565	W1567	W1569	W1571	W1573	W1575	W1577	W1579	W1581	W1583	W1585	W1587	W1589	W1591	W1593	W1595	W1597	W1599	W1601	W1603	W1605	W1607	W1609	W1611	W1613	W1615	W1617	W1619	W1621	W1623	W1625	W1627	W1629	W1631	W1633	W1635	W1637	W1639	W1641	W1643	W1645	W1647	W1649	W1651	W1653	W1655	W1657	W1659	W1661	W1663	W1665	W1667	W1669	W1671	W1673	W1675	W1677	W1679	W1681	W1683	W1685	W1687	W1689	W1691	W1693	W1695	W1697	W1699	W1701	W1703	W1705	W1707	W1709	W1711	W1713	W1715	W1717	W1719	W1721	W1723	W1725	W1727	W1729	W1731	W1733	W1735	W1737	W1739	W1741	W1743	W1745	W1747	W1749	W1751	W1753	W1755	W1757	W1759	W1761	W1763	W1765	W1767	W1769	W1771	W1773	W1775	W1777	W1779	W1781	W1783	W1785	W1787	W1789	W1791	W1793	W1795	W1797	W1799	W1801	W1803	W1805	W1807	W1809	W1811	W1813	W1815	W1817	W1819	W1821	W1823	W1825	W1827	W1829	W1831	W1833	W1835	W1837	W1839	W1841	W1843	W1845	W1847	W1849	W1851	W1853	W1855	W1857	W1859	W1861	W1863	W1865	W1867	W1869	W1871	W1873	W1875	W1877	W1879	W1881	W1883	W1885	W1887	W1889	W1891	W1893	W1895	W1897	W1899	W1901	W1903	W1905	W1907	W1909	W1911	W1913	W1915	W1917	W1919	W1921	W1923	W1925	W1927	W1929	W1931	W1933	W1935	W1937	W1939	W1941	W1943	W1945	W1947	W1949	W1951	W1953	W1955	W1957	W1959	W1961	W1963	W1965	W1967	W1969	W1971	W1973	W1975	W1977	W1979	W1981	W1983	W1985	W1987	W1989	W1991	W1993	W1995	W1997	W1999	W2001	W2003	W2005	W2007	W2009	W2011	W2013	W2015	W2017	W2019	W2021	W2023	W2025	W2027	W2029	W2031	W2033	W2035	W2037	W2039	W2041	W2043	W2045	W2047	W2049	W2051	W2053	W2055	W2057	W2059	W2061	W2063	W2065	W2067	W2069	W2071	W2073	W2075	W2077	W2079	W2081	W2083	W2085	W2087	W2089	W2091	W2093	W2095	W2097	W2099	W2101	W2103	W2105	W2107	W2109	W2111	W2113	W2115	W2117	W2119	W2121	W2123	W2125	W2127	W2129	W2131	W2133	W2135	W2137	W2139	W2141	W2143	W2145	W2147	W2149	W2151	W2153	W2155	W2157	W2159	W2161	W2163	W2165	W2167	W2169	W2171	W2173	W2175	W2177	W2179	W2181	W2183	W2185	W2187	W2189	W2191	W2193	W2195	W2197	W2199	W2201	W2203	W2205	W2207	W2209	W2211	W2213	W2215	W2217	W2219	W2221	W2223	W2225	W2227	W2229	W2231	W2233	W2235	W2237	W2239	W2241	W2243	W2245	W2247	W2249	W2251	W2253	W2255	W2257	W2259	W2261	W2263	W2265	W2267	W2269	W2271	W2273	W2275	W2277	W2279	W2281	W2283	W2285	W2287	W2289	W2291	W2293	W2295	W2297	W2299	W2301	W2303	W2305	W2307	W2309	W2311	W2313	W2315	W2317	W2319	W2321	W2323	W2325	W2327	W2329	W2331	W2333	W2335	W2337	W2339	W2341	W2343	W2345	W2347	W2349	W2351	W2353	W2355	W2357	W2359	W2361	W2363	W2365	W2367	W2369	W2371	W2373	W2375	W2377	W2379	W2381	W2383	W2385	W2387	W2389	W2391	W2393	W2395	W2397	W2399	W2401	W2403	W2405	W2407	W2409	W2411	W2413	W2415	W2417	W2419	W2421	W2423	W2425	W2427	W2429	W2431	W2433	W2435	W2437	W2439	W2441	W2443	W2445	W2447	W2449	W2451	W2453	W2455	W2457	W2459	W2461	W2463	W2465	W2467	W2469	W2471	W2473	W2475	W2477	W2479	W2481	W2483	W2485	W2487	W2489	W2491	W2493	W2495	W2497	W2499	W2501	W2503	W2505	W2507	W2509	W2511	W2513	W2515	W2517	W2519	W2521	W2523	W2525	W2527	W2529	W2531	W2533	W2535	W2537	W2539	W2541	W2543	W2545	W2547	W2549	W2551	W2553	W2555	W2557	W2559	W2561	W2563	W2565	W2567	W2569	W2571	W2573	W2575	W2577	W2579	W2581	W2583	W2585	W2587	W2589	W2591	W2593	W2595	W2597	W2599	W2601	W2603	W2605	W2607	W2609	W2611	W2613	W2615	W2617	W2619	W2621	W2623	W2625	W2627	W2629	W2631	W2633	W2635	W2637	W2639	W2641	W2643	W2645	W2647	W2649	W2651	W2653	W2655	W2657	W2659	W2661	W2663	W2665	W2667	W2669	W2671	W2673	W2675	W2677	W2679	W2681	W2683	W2685	W2687	W2689	W2691	W2693	W2695	W2697	W2699	W2701	W2703	W2705	W2707	W2709	W2711	W2713	W2715	W2717	W2719	W2721	W2723	W2725	W2727	W2729	W2731	W2733	W2735	W2737	W2739	W2741	W2743	W2745	W2747	W2749	W2751	W2753	W2755	W2757	W2759	W2761	W2763	W2765	W2767	W2769	W2771	W2773	W2775	W2777	W2779	W2781	W2783	W2785	W2787	W2789	W2791	W2793	W2795	W2797	W2799	W2801	W2803	W2805	W2807	W2809	W2811	W2813	W2815	W2817	W2819	W2821	W2823	W2825	W2827	W2829	W2831	W2833	W2835	W2837	W2839	W2841	W2843	W2845	W2847	W2849	W2851	W2853	W2855	W2857	W2859	W2861	W2863	W2865	W2867	W2869	W2871	W2873	W2875	W2877	W2879	W2881	W2883	W2885	W2887	W2889	W2891	W2893	W2895	W2897	W2899	W2901	W2903	W2905	W2907	W2909	W2911	W2913	W2915	W2917	W2919	W2921	W2923	W2925	W2927	W2929	W2931	W2933	W2935	W2937	W2939	W2941

