					Location_Code	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH02	LF\BH02	LF\BH02	LF\BH02	LF\BH02	LF\TP01	LF\TP01	LF\TP02	LF\TP03	MS\BH02
					Sample_Depth_Range	0.3	0.5	2	4	28.1	28.65-28.95	0.3	1	8.7-8.9	18.4	24.9	0.3	1	1	4	0.3
					Sampled_Date_Time	22/06/2021	22/06/2021	22/06/2021	22/06/2021	23/06/2021	29/06/2021	22/06/2021	22/06/2021	24/06/2021	06/07/2021	08/07/2021	22/06/2021	22/06/2021	23/06/2021	24/06/2021	25/06/2021
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		MG	MG	MG	TFD-S	GT	RMU	MG	MG	TFD-S	TFD-C	GT	MG	MG	MG	MG	MG
Chem_Group	**ChemName**	**output unit**																			
TPH	EPH >C10-C40	mg/kg				<10	<10	<10	<10	-	<10	<10	13	<10	-	-	<10	<10	<10	<10	<10
	>C5-C6 Aliphatics	mg/kg	**3.200**[#1]			-	-	-	-	-	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	-
	>C6-C8 Aliphatics	mg/kg	**7.800**[#1]			-	-	-	-	-	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	-
	>C8-C10 Aliphatics	mg/kg	**2.000**[#1]			-	-	-	-	-	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	-
	>C10-C12 Aliphatics	mg/kg	**9.700**[#1]			-	-	-	-	-	-	-	-	<1.5	-	-	<1.5	<1.5	<1.5	<1.5	-
	>C12-C16 Aliphatics	mg/kg	**59.000**[#1]			-	-	-	-	-	-	-	-	2.8	-	-	<1.2	<1.2	<1.2	<1.2	-
	>C16-C21 Aliphatics	mg/kg				-	-	-	-	-	-	-	-	4.9	-	-	<1.5	<1.5	<1.5	<1.5	-
	>C16-C35 Aliphatics	mg/kg	**1.600.000**[#1]			-	-	-	-	-	-	-	-	8.3	-	-	<4.9	<4.9	<4.9	<4.9	-
	>C21-C35 Aliphatics	mg/kg				-	-	-	-	-	-	-	-	<3.4	-	-	<3.4	<3.4	<3.4	<3.4	-
	>C5-C35 Aliphatics	mg/kg				-	-	-	-	-	-	-	-	<10	-	-	<10	<10	<10	<10	-
	>EC5-EC7 Aromatics	mg/kg	**26.000**[#1]			-	-	-	-	-	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	-
	>EC7-EC8 Aromatics	mg/kg	**56.000**[#1]			-	-	-	-	-	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	-
	>EC8-EC10 Aromatics	mg/kg	**3.500**[#1]			-	-	-	-	-	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	-
	>EC10-EC12 Aromatics	mg/kg	**16.000**[#1]			-	-	-	-	-	-	-	-	<0.9	-	-	<0.9	<0.9	<0.9	<0.9	-
	>EC12-EC16 Aromatics	mg/kg	**36.000**[#1]			-	-	-	-	-	-	-	-	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	-
	>EC16-EC21 Aromatics	mg/kg	**28.000**[#1]			-	-	-	-	-	-	-	-	<0.6	-	-	<0.6	<0.6	<0.6	<0.6	-
	>EC21-EC35 Aromatics	mg/kg	**28.000**[#1]			-	-	-	-	-	-	-	-	<1.4	-	-	<1.4	<1.4	<1.4	<1.4	-
	>EC5-EC35 Aromatics	mg/kg				-	-	-	-	-	-	-	-	<10	-	-	<10	<10	<10	<10	-
	>C5-C35 Aliphatics & Aromatics	mg/kg				-	-	-	-	-	-	-	-	<10	-	-	<10	<10	<10	<10	-
VOC	Dichlorodifluoromethane	mg/kg	**370**[#2]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	-
	MTBE	mg/kg	**7.900**[#3]			-	-	-	-	<0.05	-	-	-	<0.01	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Chloromethane	mg/kg	**1**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	-
	Vinyl chloride	mg/kg	**0.059**[#1]	*1.1*		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Bromomethane	mg/kg	**30**[#2]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	-
	Chloroethane	mg/kg	**960**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	-
	Trichlorofluoromethane	mg/kg	**350.000**[#2]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	-
	1,1-dichloroethene	mg/kg	**26**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Dichloromethane	mg/kg	**270**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	-
	trans-1,2-dichloroethene	mg/kg	**22**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,1-dichloroethane	mg/kg	**280**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	cis-1,2-dichloroethene	mg/kg	**14**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	2,2-dichloropropane	mg/kg				-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Bromochloromethane	mg/kg	**630**[#2]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Chloroform	mg/kg	**99**[#1]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,1,1-trichloroethane	mg/kg	**660**[#1]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,1-dichloropropene	mg/kg				-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Carbon tetrachloride	mg/kg	**2.9**[#1]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,2-dichloroethane	mg/kg	**0.67**[#1]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Benzene	mg/kg	**27**[#1]	*27*[#4]		-	-	-	-	<0.05	-	-	-	<0.01	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Trichloroethene	mg/kg	**1.2**[#1]	*0.73*		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,2-dichloropropane	mg/kg	**3.3**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Dibromomethane	mg/kg	**99**[#2]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Bromodichloromethane	mg/kg	**1.3**[#2]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	cis-1,3-dichloropropene	mg/kg				-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Toluene	mg/kg	**56.000**[#1]			-	-	-	-	<0.05	-	-	-	<0.01	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	trans-1,3-dichloropropene	mg/kg				-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,1,2-trichloroethane	mg/kg	**94**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Tetrachloroethene	mg/kg	**19**[#1]	*24*		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,3-dichloropropane	mg/kg	**23.000**[#2]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Sum of PCE and TCE	mg/kg				-	-	-	-	<0.1	-	-	-	-	-	<0.1	<0.02	<0.02	<0.02	<0.02	-
	Chlorodibromomethane	mg/kg	**39**[#2]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,2-dibromoethane	mg/kg	**0.16**[#2]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Chlorobenzene	mg/kg	**56**[#1]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,1,1,2-tetrachloroethane	mg/kg	**110**[#1]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Ethylbenzene	mg/kg	**5.700**[#1]			-	-	-	-	<0.05	-	-	-	<0.01	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Xylene (m & p)	mg/kg				-	-	-	-	<0.1	-	-	-	-	-	<0.1	<0.01	<0.01	<0.01	<0.01	-
	Xylene Total	mg/kg	**5.900**[#1]			-	-	-	-	<0.15	-	-	-	<0.01	-	<0.15	<0.01	<0.01	<0.01	<0.01	-
	Xylene (o)	mg/kg	**6.600**[#1]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Styrene	mg/kg	**3.300**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Bromoform	mg/kg	**760**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	Isopropylbenzene	mg/kg	**1.400**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,1,2,2-tetrachloroethane	mg/kg	**270**[#1]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	-	-	-	-	-
	Bromobenzene	mg/kg	**97**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,2,3-trichloropropane	mg/kg	**0.11**[#2]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	0.04	0.03	<0.01	<0.01	-
	n-propylbenzene	mg/kg	**4.100**[#3]			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-

				Location_Code	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH02	LF\BH02	LF\BH02	LF\BH02	LF\BH02	LF\TP01	LF\TP01	LF\TP02	LF\TP03	MS\BH02
				Sample_Depth_Range	0.3	0.5	2	4	28.1	28.65-28.95	0.3	1	8.7-8.9	18.4	24.9	0.3	1	1	4	0.3
				Sampled_Date_Time	22/06/2021	22/06/2021	22/06/2021	22/06/2021	23/06/2021	29/06/2021	22/06/2021	22/06/2021	24/06/2021	06/07/2021	08/07/2021	22/06/2021	22/06/2021	23/06/2021	24/06/2021	25/06/2021
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	TFD-S	GT	RMU	MG	MG	TFD-S	TFD-C	GT	MG	MG	MG	MG	MG
Chem_Group	**ChemName**	**output unit**																		
	2-chlorotoluene	mg/kg	**23.000**[#2]		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,3,5-trimethylbenzene	mg/kg	**1.500**[#2]		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	4-chlorotoluene	mg/kg	**23.000**[#2]		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	tert-butylbenzene	mg/kg	**120.000**[#2]		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,2,4-trimethylbenzene	mg/kg	**42**[#3]		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	sec-butylbenzene	mg/kg	**120.000**[#2]		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	p-isopropyltoluene	mg/kg			-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,3-dichlorobenzene	mg/kg	**30**[#1]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-
	1,4-dichlorobenzene	mg/kg	**4.400**[#1]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-
	n-butylbenzene	mg/kg	**58.000**[#2]		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,2-dichlorobenzene	mg/kg	**2.000**[#1]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-
	1,2-dibromo-3-chloropropane	mg/kg	**0.064**[#2]		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,2,4-trichlorobenzene	mg/kg	**220**[#1]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-
	Hexachlorobutadiene	mg/kg	**31**[#1]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-
	1,2,3-trichlorobenzene	mg/kg	**102**[#1]		-	-	-	-	<0.05	-	-	-	-	-	<0.05	<0.01	<0.01	<0.01	<0.01	-
	1,2-Dichloroethene	mg/kg	**14**[#3]		-	-	-	-	<0.1	-	-	-	-	-	<0.1	<0.02	<0.02	<0.02	<0.02	-
	Trihalomethanes	mg/kg			-	-	-	-	<0.2	-	-	-	-	-	<0.2	<0.04	<0.04	<0.04	<0.04	-
	Hexachlorobenzene	mg/kg	**110**[#1]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	Trichlorobenzene (total)	mg/kg			-	-	-	-	<0.06	-	-	-	-	-	<0.06	<0.02	<0.02	<0.02	<0.02	-
PAH	Naphthalene	mg/kg	**190**[#1]		0.04	<0.03	0.04	<0.03	<0.01	<0.03	0.06	0.1	<0.03	-	0.022 - 0.1	<0.01 - 0.04	<0.01 - 0.04	<0.03	<0.03	0.04
	Acenaphthylene	mg/kg	**83.000**[#1]		<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	0.1	0.13	<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03
	Acenaphthene	mg/kg	**84.000**[#1]		<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03
	Fluorene	mg/kg	**63.000**[#1]		<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	0.1	0.12	<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03
	Phenanthrene	mg/kg	**22.000**[#1]		0.04	<0.03	0.04	<0.03	<0.01	<0.03	0.16	0.28	<0.03	-	0.027	<0.1 - 0.06	<0.1 - 0.04	0.05	<0.03	0.14
	Anthracene	mg/kg	**520.000**[#1]		<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	0.07	0.11	<0.03	-	<0.01	<0.1 - 0.05	<0.03	<0.03	<0.03	<0.03
	Fluoranthene	mg/kg	**23.000**[#1]		0.05	<0.03	0.05	<0.03	<0.01	<0.03	0.28	0.56	<0.03	-	<0.01	<0.1 - 0.09	<0.1 - 0.05	0.06	<0.03	0.23
	Pyrene	mg/kg	**54.000**[#1]		0.05	<0.03	0.04	<0.03	<0.01	<0.03	0.23	0.47	<0.03	-	<0.01	<0.1 - 0.08	<0.1 - 0.05	0.04	<0.03	0.2
	Benz(a)anthracene	mg/kg	**170**[#1]		0.06	<0.03	0.05	0.06	<0.01	<0.03	0.19	0.4	<0.03	-	<0.01	<0.1 - 0.08	<0.1 - 0.06	0.06	<0.03	0.09
	Chrysene	mg/kg	**350**[#1]		0.04	<0.03	0.04	0.05	<0.01	<0.03	0.18	0.36	<0.03	-	<0.01	<0.1 - 0.06	<0.03	0.04	<0.03	0.15
	Benzo(a) pyrene	mg/kg	**35**[#1]	*77*[#4]	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	0.18	0.53	<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	0.06
	Indeno(1,2,3-c,d)pyrene	mg/kg	**500**[#1]		<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	0.11	0.31	<0.03	-	<0.01	<0.03	<0.03	0.03	<0.03	0.09
	Dibenz(a,h)anthracene	mg/kg	**3.5**[#1]		<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	0.03	0.09	<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03
	Benzo(g,h,i)perylene	mg/kg	**3.900**[#1]		0.04	<0.03	<0.03	<0.03	<0.01	<0.03	0.16	0.43	<0.03	-	<0.01	<0.1 - 0.06	<0.1 - 0.05	<0.03	<0.03	0.09
	Benzo(b)fluoranthene	mg/kg	**44**[#1]		0.11	<0.03	<0.03	<0.03	<0.01	<0.03	0.34	0.77	<0.03	-	<0.01	<0.1 - 0.14	<0.1 - 0.11	0.04	<0.03	0.14
	Benzo(k)fluoranthene	mg/kg	**1.200**[#1]		<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	0.1	0.28	<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	0.06
	Benzo(b)&(k)fluoranthene	mg/kg			0.14	<0.06	<0.06	<0.06	<0.01	<0.06	0.44	1.05	<0.06	-	<0.01	0.17	0.14	0.07	<0.06	0.2
	PAHs (sum of 4)	mg/kg			0.21	<0.12	<0.12	<0.12	<0.04	<0.12	0.71	1.79	<0.12	-	<0.04	0.26	0.22	0.13	<0.12	0.38
	PAH 16 Total	mg/kg			0.43	<0.1	0.26	0.11	-	<0.1	2.3	4.9	<0.1	-	-	0.64	0.4	0.34	<0.1	1.3
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	mg/kg			0.07	<0.06	<0.06	<0.06	<0.02	<0.06	0.27	0.74	<0.06	-	<0.02	0.09	0.08	0.06	<0.06	0.18
	Benzo(a)pyrene (surrogate marker for PAH mixtu	mg/kg	**15**[#1]		<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	0.18	0.53	<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	0.06
SVOC	2,3,4,6-tetrachlorophenol	mg/kg	**25.000**[#2]		-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-
	2,3,5,6-Tetrachlorophenol	mg/kg			-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-
	2,6-dichlorophenol	mg/kg			-	-	-	-	-	-	-	<0.01	-	-	-	<0.01	<0.01	-	-	-
	Aniline	mg/kg	**400**[#2]		-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-
	2-chlorophenol	mg/kg	**5.800**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	2-methylphenol	mg/kg	**160000**[#3]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	2-nitrophenol	mg/kg			-	-	-	-	<0.01	-	-	-	-	-	<0.01	-	-	-	-	-
	2,4-dichlorophenol	mg/kg	**2.500**[#2]		-	-	-	-	<0.01	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.1	<0.1	-
	2,4-dimethylphenol	mg/kg	**16.000**[#3]		-	-	-	-	<0.01	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.1	<0.1	-
	2,4,5-trichlorophenol	mg/kg	**82.000**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	2,4,6-trichlorophenol	mg/kg	**210**[#2]		-	-	-	-	<0.01	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.1	<0.1	-
	4-chloro-3-methylphenol	mg/kg	**82.000**[#2]		-	-	-	-	<0.01	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.1	<0.1	-
	4-methylphenol	mg/kg	**160000**[#3]		-	-	-	-	<0.01	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-
	4-nitrophenol	mg/kg			-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	Pentachlorophenol	mg/kg	**400**[#1]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	Phenol	mg/kg	**440**[#1]		-	-	-	-	<0.01	-	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.1	<0.1	-
	2-chloronaphthalene	mg/kg	**390**[#3]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	2-methylnaphthalene	mg/kg	**3.000**[#2]		-	-	-	-	<0.01	-	-	-	-	-	0.031	<0.1	<0.1	<0.1	<0.1	-
	Bis(2-ethylhexyl) phthalate	mg/kg	**85.000**[#3]		-	-	-	-	<0.1	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
	Butyl benzyl phthalate	mg/kg	**940.000**[#3]		-	-	-	-	<0.1	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
	Di-n-butyl phthalate	mg/kg	**15.000**[#3]		-	-	-	-	<0.1	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
	Di-n-octyl phthalate	mg/kg	**89.000**[#3]		-	-	-	-	<0.1	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
	Diethylphthalate	mg/kg	**150.000**[#3]		-	-	-	-	<0.1	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
	Dimethyl phthalate	mg/kg			-	-	-	-	<0.1	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
	2-nitroaniline	mg/kg	**8.000**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-

				Location_Code	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH02	LF\BH02	LF\BH02	LF\BH02	LF\BH02	LF\TP01	LF\TP01	LF\TP02	LF\TP03	MS\BH02
				Sample_Depth_Range	0.3	0.5	2	4	28.1	28.65-28.95	0.3	1	8.7-8.9	18.4	24.9	0.3	1	1	4	0.3
				Sampled_Date_Time	22/06/2021	22/06/2021	22/06/2021	22/06/2021	23/06/2021	29/06/2021	22/06/2021	22/06/2021	24/06/2021	06/07/2021	08/07/2021	22/06/2021	22/06/2021	23/06/2021	24/06/2021	25/06/2021
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	TFD-S	GT	RMU	MG	MG	TFD-S	TFD-C	GT	MG	MG	MG	MG	MG
Chem_Group	**ChemName**	**output unit**																		
	3-nitroaniline	mg/kg			-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	4-bromophenyl phenyl ether	mg/kg			-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	4-chloroaniline	mg/kg	**11**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	-	-	-	-	-
	4-chlorophenyl phenyl ether	mg/kg			-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	4-nitroaniline	mg/kg	**110**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	Azobenzene	mg/kg	**26**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	Bis(2-chloroethoxy) methane	mg/kg	**2.500**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	Bis(2-chloroethyl)ether	mg/kg	**1**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	-	-	-	-	-
	Carbazole	mg/kg			-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	Dibenzofuran	mg/kg	**1.200**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	Hexachlorocyclopentadiene	mg/kg	**7.5**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	Hexachloroethane	mg/kg	**22**[#3]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	-	-	-	-	-
	Isophorone	mg/kg	**2.400**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	-	-	-	-	-
	N-nitrosodi-n-propylamine	mg/kg	**0.33**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	-	-	-	-	-
	Benzyl alcohol	mg/kg	**82.000**[#2]		-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-
	Bis(2-chloroisopropyl)ether	mg/kg			-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-
	2,6-Dimethylphenol	mg/kg	**490**[#2]		-	-	-	-	-	-	-	<0.01	-	-	-	<0.01	<0.01	-	-	-
	4,6-Dinitro-2-methylphenol	mg/kg	**66**[#2]		-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-
	Total Monohydric Phenols (S) Corrected	mg/kg			0.4	<0.3	<0.3	<0.3	-	<0.3	<0.3	<0.3	<0.3	-	-	<0.3	<0.3	<0.3	<0.3	<0.3
	Diphenylamine	mg/kg	**82.000**[#2]		-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-
PCBs	PCB congener 28 + 31	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	mg/kg	**0.16**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	mg/kg	**0.048**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	mg/kg	**0.49**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	mg/kg	**0.5**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 118	mg/kg	**0.49**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	mg/kg	**0.49**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	mg/kg	**0.00015**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	mg/kg	**0.5**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	mg/kg	**0.5**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	mg/kg	**0.51**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	mg/kg	**0.00051**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	mg/kg	**0.52**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 52	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 101	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 138	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 153	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PCB 180	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Explosives	1,3-Dinitrobenzene	mg/kg	**82**[#2]		-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-
	2,4-Dinitrotoluene	mg/kg	**3.700**[#3]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	2,6-dinitrotoluene	mg/kg	**1.900**[#3]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	<0.1	<0.1	<0.1	<0.1	-
	Nitrobenzene	mg/kg	**22**[#2]		-	-	-	-	<0.01	-	-	-	-	-	<0.01	-	-	-	-	-
Metals	Arsenic	mg/kg	**640**[#1]	*640*[#4]	5	3.5	3.2	4.6	-	54	9.4	11	6.1	8.6	-	3.5	4.8	4.9	7	4.1
	Beryllium	mg/kg	**12**[#1]		7.9	5.9	5.8	4.7	-	1.8	1.1	7.5	<0.2	0.8	-	1.2	5.7	3.4	5	3.1
	Cadmium	mg/kg	**190**[#1]	*410*[#4]	<0.1	<0.1	<0.1	<0.1	-	<0.1	0.4	0.6	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	0.2
	Copper	mg/kg	**68.000**[#1]		8.2	6.1	5.1	6.8	-	12	59	17	5.8	20	-	5.3	7.4	6.9	5.8	13
	Iron	mg/kg	**820.000**[#2]		-	-	-	-	-	-	-	-	-	38,000	-	-	-	-	-	-
	Lead	mg/kg	**2.300**[#4]	*2.300*[#4]	3	1	1.1	1.1	-	15	84	49	2.7	27	-	3.3	1.8	3.3	1.3	25
	Mercury	mg/kg	**1100**[#1]		<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	0.06	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05
	Nickel	mg/kg	**980**[#1]		1.3	<1	<1	<1	-	32	13	6.1	2.2	27	-	1.4	<1	2.5	1.5	8.3
	Selenium	mg/kg	**12.000**[#1]		2	1.4	1.1	2	-	<0.5	6.9	2.3	<0.5	0.5	-	<0.5	2.8	1.1	2.2	2.6
	Vanadium	mg/kg	**9.000**[#1]		37	16	14	110	-	320	1900	95	8.7	61	-	12	170	32	48	350
	Zinc	mg/kg	**730.000**[#1]		10	26	3.5	27	-	83	62	120	13	75	-	20	5.5	21	5.2	50
	Boron (Water Soluble)	mg/kg			4.9	11	6.4	4.3	-	1.9	1.5	2.2	<0.2	3.7	-	5.4	2.7	1.2	5.5	2.2
	Chromium (hexavalent)	mg/kg	**33**[#1]	*49*[#4]	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1
	Chromium (Trivalent)	mg/kg	**8.600**[#1]		11	3.3	3	12	-	72	750	22	2.8	37	-	2.4	22	6	6.4	240
Inorganics	Cyanide (Free)	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
	Cyanide Total	mg/kg	**150**[#2]		0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	0.6	<0.1	-	-	<0.1	<0.1	0.2	<0.1	<0.1
	Thiocyanate	mg/kg	**230**[#2]		1.1	1.5	0.9	0.6	-	<0.6	<0.6	0.8	<0.6	-	-	<0.6	<0.6	<0.6	<0.6	<0.6
	Nitrate (as NO3-)	mg/kg	**1.900.000**[#2]		6.7	4.2	4.5	4.3	-	17	54	7.3	<1	-	-	<1	2.2	1.2	<1	8.7
	Sulphide	mg/kg			1500	1000	1200	1500	-	120	680	1300	<10	-	-	200	1400	3000	3200	560
	Sulphur as S	mg/kg			6900	3000	3700	4600	-	4100	2800	5700	300	-	-	700	6100	2600	7200	2900
	Soluble Sulphate 2:1 extract as SO4 BRE	g/l			1.7	0.59	1.7	1.4	-	0.2	0.24	0.55	0.024	-	-	0.4	0.94	0.37	1.7	0.4
	Elemental Sulphur	mg/kg			120	240	32	2.4	-	18	2.5	<0.75	3.2	-	-	53	5.6	7.5	64	33

Soil Chemical Results Screened against GAC protective of Human Health (Commerical Industrial End Use)

					Location_Code	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH01	LF\BH02	LF\BH02	LF\BH02	LF\BH02	LF\BH02	LF\TP01	LF\TP01	LF\TP02	LF\TP03	MS\BH02
					Sample_Depth_Range	0.3	0.5	2	4	28.1	28.65-28.95	0.3	1	8.7-8.9	18.4	24.9	0.3	1	1	4	0.3
					Sampled_Date_Time	22/06/2021	22/06/2021	22/06/2021	22/06/2021	23/06/2021	29/06/2021	22/06/2021	22/06/2021	24/06/2021	06/07/2021	08/07/2021	22/06/2021	22/06/2021	23/06/2021	24/06/2021	25/06/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		MG	MG	MG	TFD-S	GT	RMU	MG	MG	TFD-S	TFD-C	GT	MG	MG	MG	MG	MG
Other	Organic Matter	%				0.8	0.6	1.3	1.2	-	0.9	1	1.5	0.3	-	-	0.8	1.6	2	0.7	1.2
	Moisture	%				-	-	-	-	-	14	-	-	21	-	-	-	-	4.6	9.9	6.1
	TOC	%				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Quantification - Total - %	%				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Identification	None				0	0	0	-	-	-	0	0	-	-	-	0	0	0	0	-
Field	pH	pH_Units	**11.5**			11	11.2	10.9	11	-	8.1	**12**	10.6	9.2	-	-	11	10.7	8.8	9.3	11.4
MISC	1,2-Dinitrobenzene	mg/kg	**82**[#2]			-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-
	1,4-dinitrobenzene	mg/kg	**82**[#2]			-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-
	Decane	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Natural Moisture Content	%				-	-	-	-	14	-	-	-	-	-	23.4	-	-	-	-	-
	3/4-Methylphenol (m/p-cresol)	mg/kg				-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-

Env Stds Comments
#1:LQM/CIEH S4ULs 2015
#2:USEPA RSL (May 2020)
#3:EIC/AGS/CL:AIRE
#4:Defra C4SL 12/2014

C4SL 2021 - Vinyl chloride, tetrachloroethene, trichloroethene
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

1,2-Dichloroethene - cis 1,2-dichloroethene used
2-methylphenol - cresol total used
4-methylphenol -cresol total used
pH - Hazardous Waste Value - corrosive

XXX	Exceedance of HH Soil. Commercial/Industrial. Sandy Loam. TOC>=0.58 to <1.45%
XXX	Exceedance of HH Soil. C4SL Commercial (England, Ireland, Northern Ireland, Wales. TOC>=0.58 to <3.48 &>0.58 to <1.45%

MG - Made Ground
TFD-S - Tidal Flat Deposits - Sand
TFD-C - Tidal F;at Deposits - Clay
GT - Glacial Till
RMU - Redcar Mudstone Formation

					Location_Code	MS\BH02	MS\BH02	MS\BH02	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH04	MS\BH04	MS\BH05
					Sample_Depth_Range	2.25-2.7	10.2-10.4	11.2-11.4	0.5	1	2	3-3.3	9.5-9.8	11-11.2	11.2	23.4	0.3	0.5	1	22.3	4.4
					Sampled_Date_Time	28/06/2021	28/06/2021	28/06/2021	22/06/2021	22/06/2021	22/06/2021	23/06/2021	24/06/2021	24/06/2021	23/06/2021	28/06/2021	17/06/2021	17/06/2021	17/06/2021	23/06/2021	16/06/2021
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		MG	TFD-S	TFD-C	MG	MG	TFD-S	TFD-S	TFD-S	TFD-C	TFD-C	GT	MG	MG	TFD-S	GT	TFD-S
Chem_Group	**ChemName**	**output unit**																			
TPH	EPH >C10-C40	mg/kg				<10	<10	34	14	<10	<10	<10	<10	<10	-	<10	<10	12	<10	<10	<10
	>C5-C6 Aliphatics	mg/kg	**3.200**[#1]			<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	-	<0.01	<0.01	-	<0.01	-	-
	>C6-C8 Aliphatics	mg/kg	**7.800**[#1]			<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	-	<0.01	<0.01	-	<0.01	-	-
	>C8-C10 Aliphatics	mg/kg	**2.000**[#1]			<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	-	<0.01	<0.01	-	<0.01	-	-
	>C10-C12 Aliphatics	mg/kg	**9.700**[#1]			530	<1.5	<1.5	-	<1.5	<1.5	-	-	<1.5	-	<1.5	<1.5	-	<1.5	-	-
	>C12-C16 Aliphatics	mg/kg	**59.000**[#1]			520	<1.2	<1.2	-	<1.2	<1.2	-	-	<1.2	-	<1.2	<1.2	-	<1.2	-	-
	>C16-C21 Aliphatics	mg/kg				340	<1.5	<1.5	-	<1.5	<1.5	-	-	<1.5	-	<1.5	<1.5	-	<1.5	-	-
	>C16-C35 Aliphatics	mg/kg	**1.600.000**[#1]			1320	<4.9	<4.9	-	<4.9	<4.9	-	-	<4.9	-	<4.9	<4.9	-	<4.9	-	-
	>C21-C35 Aliphatics	mg/kg				980	<3.4	<3.4	-	<3.4	<3.4	-	-	<3.4	-	<3.4	<3.4	-	<3.4	-	-
	>C5-C35 Aliphatics	mg/kg				2400	<10	<10	-	<10	<10	-	-	<10	-	<10	<10	-	<10	-	-
	>EC5-EC7 Aromatics	mg/kg	**26.000**[#1]			<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	-	<0.01	<0.01	-	<0.01	-	-
	>EC7-EC8 Aromatics	mg/kg	**56.000**[#1]			<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	-	<0.01	<0.01	-	<0.01	-	-
	>EC8-EC10 Aromatics	mg/kg	**3.500**[#1]			<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	-	<0.01	<0.01	-	<0.01	-	-
	>EC10-EC12 Aromatics	mg/kg	**16.000**[#1]			<0.9	<0.9	<0.9	-	<0.9	<0.9	-	-	<0.9	-	<0.9	<0.9	-	<0.9	-	-
	>EC12-EC16 Aromatics	mg/kg	**36.000**[#1]			<0.5	<0.5	<0.5	-	<0.5	<0.5	-	-	<0.5	-	<0.5	<0.5	-	<0.5	-	-
	>EC16-EC21 Aromatics	mg/kg	**28.000**[#1]			<0.6	<0.6	1.7	-	<0.6	<0.6	-	-	<0.6	-	<0.6	<0.6	-	<0.6	-	-
	>EC21-EC35 Aromatics	mg/kg	**28.000**[#1]			<1.4	<1.4	15	-	<1.4	<1.4	-	-	<1.4	-	<1.4	<1.4	-	<1.4	-	-
	>EC5-EC35 Aromatics	mg/kg				<10	<10	17	-	<10	<10	-	-	<10	-	<10	<10	-	<10	-	-
	>C5-C35 Aliphatics & Aromatics	mg/kg				2400	<10	17	-	<10	<10	-	-	<10	-	<10	<10	-	<10	-	-
VOC	Dichlorodifluoromethane	mg/kg	**370**[#2]			-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
	MTBE	mg/kg	**7.900**[#3]			<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	-	<0.01	-	-
	Chloromethane	mg/kg	**1**[#3]			-	-	-	-	-	-	-	-	-	0.166 - 0.206	-	-	-	-	-	-
	Vinyl chloride	mg/kg	**0.059**[#1]	*1.1*		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Bromomethane	mg/kg	**30**[#2]			-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
	Chloroethane	mg/kg	**960**[#3]			-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
	Trichlorofluoromethane	mg/kg	**350.000**[#2]			-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
	1,1-dichloroethene	mg/kg	**26**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Dichloromethane	mg/kg	**270**[#3]			-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
	trans-1,2-dichloroethene	mg/kg	**22**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,1-dichloroethane	mg/kg	**280**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	cis-1,2-dichloroethene	mg/kg	**14**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	2,2-dichloropropane	mg/kg				<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Bromochloromethane	mg/kg	**630**[#2]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Chloroform	mg/kg	**99**[#1]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,1,1-trichloroethane	mg/kg	**660**[#1]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,1-dichloropropene	mg/kg				<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Carbon tetrachloride	mg/kg	**2.9**[#1]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,2-dichloroethane	mg/kg	**0.67**[#1]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Benzene	mg/kg	**27**[#1]	*27*[#4]		<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	-	<0.01	-	-
	Trichloroethene	mg/kg	**1.2**[#1]	*0.73*		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,2-dichloropropane	mg/kg	**3.3**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Dibromomethane	mg/kg	**99**[#2]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Bromodichloromethane	mg/kg	**1.3**[#2]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	cis-1,3-dichloropropene	mg/kg				<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Toluene	mg/kg	**56.000**[#1]			<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	-	<0.01	-	-
	trans-1,3-dichloropropene	mg/kg				<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,1,2-trichloroethane	mg/kg	**94**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Tetrachloroethene	mg/kg	**19**[#1]	*24*		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,3-dichloropropane	mg/kg	**23.000**[#2]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Sum of PCE and TCE	mg/kg				<0.02	<0.02	-	-	<0.02	<0.02	-	-	-	<0.1	-	<0.02	-	<0.02	-	-
	Chlorodibromomethane	mg/kg	**39**[#2]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,2-dibromoethane	mg/kg	**0.16**[#2]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Chlorobenzene	mg/kg	**56**[#1]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,1,1,2-tetrachloroethane	mg/kg	**110**[#1]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Ethylbenzene	mg/kg	**5.700**[#1]			<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	-	<0.01	-	-
	Xylene (m & p)	mg/kg				<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.1	-	<0.01	-	<0.01	-	-
	Xylene Total	mg/kg	**5.900**[#1]			<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.15	<0.01	<0.01	-	<0.01	-	-
	Xylene (o)	mg/kg	**6.600**[#1]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Styrene	mg/kg	**3.300**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Bromoform	mg/kg	**760**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	Isopropylbenzene	mg/kg	**1.400**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,1,2,2-tetrachloroethane	mg/kg	**270**[#1]			-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-
	Bromobenzene	mg/kg	**97**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,2,3-trichloropropane	mg/kg	**0.11**[#2]			<0.01	<0.01	-	-	<0.01	0.03	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	n-propylbenzene	mg/kg	**4.100**[#3]			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-

				Location_Code	MS\BH02	MS\BH02	MS\BH02	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH04	MS\BH04	MS\BH05
				Sample_Depth_Range	2.25-2.7	10.2-10.4	11.2-11.4	0.5	1	2	3-3.3	9.5-9.8	11-11.2	11.2	23.4	0.3	0.5	1	22.3	4.4
				Sampled_Date_Time	28/06/2021	28/06/2021	28/06/2021	22/06/2021	22/06/2021	22/06/2021	23/06/2021	24/06/2021	24/06/2021	23/06/2021	28/06/2021	17/06/2021	17/06/2021	17/06/2021	23/06/2021	16/06/2021
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	TFD-S	TFD-C	MG	MG	TFD-S	TFD-S	TFD-S	TFD-C	TFD-C	GT	MG	MG	TFD-S	GT	TFD-S
Chem_Group	**ChemName**	**output unit**																	
	2-chlorotoluene	mg/kg	**23.000**[#2]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,3,5-trimethylbenzene	mg/kg	**1.500**[#2]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	4-chlorotoluene	mg/kg	**23.000**[#2]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	tert-butylbenzene	mg/kg	**120.000**[#2]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,2,4-trimethylbenzene	mg/kg	**42**[#3]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	sec-butylbenzene	mg/kg	**120.000**[#2]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	p-isopropyltoluene	mg/kg			<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,3-dichlorobenzene	mg/kg	**30**[#1]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	<0.01	-	-
	1,4-dichlorobenzene	mg/kg	**4.400**[#1]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	<0.01	-	-
	n-butylbenzene	mg/kg	**58.000**[#2]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,2-dichlorobenzene	mg/kg	**2.000**[#1]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	<0.01	-	-
	1,2-dibromo-3-chloropropane	mg/kg	**0.064**[#2]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,2,4-trichlorobenzene	mg/kg	**220**[#1]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	<0.01	-	-
	Hexachlorobutadiene	mg/kg	**31**[#1]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	<0.01	-	-
	1,2,3-trichlorobenzene	mg/kg	**102**[#1]		<0.01	<0.01	-	-	<0.01	<0.01	-	-	-	<0.05	-	<0.01	-	<0.01	-	-
	1,2-Dichloroethene	mg/kg	**14**[#3]		<0.02	<0.02	-	-	<0.02	<0.02	-	-	-	<0.1	-	<0.02	-	<0.02	-	-
	Trihalomethanes	mg/kg			<0.04	<0.04	-	-	<0.04	<0.04	-	-	-	<0.2	-	<0.04	-	<0.04	-	-
	Hexachlorobenzene	mg/kg	**110**[#1]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Trichlorobenzene (total)	mg/kg			<0.02	<0.02	-	-	<0.02	<0.02	-	-	-	<0.06	-	<0.02	-	<0.02	-	-
PAH	Naphthalene	mg/kg	**190**[#1]		<0.03	<0.03	<0.03	0.05	<0.01	<0.01 - 0.04	<0.03	<0.03	<0.03	<0.01	<0.03	<0.01	<0.03	<0.01	<0.03	<0.03
	Acenaphthylene	mg/kg	**83.000**[#1]		<0.03	<0.03	<0.03	0.1	<0.03	<0.1 - 0.1	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	Acenaphthene	mg/kg	**84.000**[#1]		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03	0.04	<0.03	<0.03	<0.03
	Fluorene	mg/kg	**63.000**[#1]		<0.03	<0.03	<0.03	0.1	<0.03	<0.1 - 0.11	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	Phenanthrene	mg/kg	**22.000**[#1]		<0.03	<0.03	<0.03	0.11	<0.03	<0.1 - 0.05	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03	0.14	<0.03	<0.03	0.03
	Anthracene	mg/kg	**520.000**[#1]		<0.03	<0.03	<0.03	0.06	<0.03	<0.1 - 0.05	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	Fluoranthene	mg/kg	**23.000**[#1]		<0.03	<0.03	<0.03	0.25	<0.03	<0.1 - 0.06	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03 - 0.2	0.48	<0.03 - 0.4	<0.03	<0.03
	Pyrene	mg/kg	**54.000**[#1]		<0.03	<0.03	<0.03	0.2	<0.03	<0.1 - 0.06	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03 - 0.1	0.28	<0.03 - 0.4	<0.03	<0.03
	Benz(a)anthracene	mg/kg	**170**[#1]		<0.03	<0.03	<0.03	0.14	<0.1 - 0.06	<0.1 - 0.07	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	Chrysene	mg/kg	**350**[#1]		<0.03	<0.03	<0.03	0.12	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	Benzo(a) pyrene	mg/kg	**35**[#1]	*77*[#4]	<0.03	<0.03	<0.03	0.09	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.1 - 0.06	0.26	<0.03	<0.03	<0.03
	Indeno(1,2,3-c,d)pyrene	mg/kg	**500**[#1]		<0.03	<0.03	<0.03	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.1 - 0.05	0.12	<0.03	<0.03	<0.03
	Dibenz(a,h)anthracene	mg/kg	**3.5**[#1]		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.03	0.04	<0.03	<0.03	<0.03
	Benzo(g,h,i)perylene	mg/kg	**3.900**[#1]		<0.03	<0.03	<0.03	0.1	<0.03	<0.1 - 0.06	<0.03	<0.03	<0.03	<0.01	<0.03	<0.1 - 0.07	0.14	<0.1 - 0.04	<0.03	<0.03
	Benzo(b)fluoranthene	mg/kg	**44**[#1]		<0.03	<0.03	<0.03	0.26	<0.03	<0.1 - 0.13	<0.03	<0.03	<0.03	<0.01	<0.03	<0.1 - 0.46	0.62	<0.1 - 0.4	<0.03	0.03
	Benzo(k)fluoranthene	mg/kg	**1.200**[#1]		<0.03	<0.03	<0.03	0.06	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.1 - 0.05	0.14	<0.03	<0.03	<0.03
	Benzo(b)&(k)fluoranthene	mg/kg			<0.06	<0.06	<0.06	0.32	<0.06	0.16	<0.06	<0.06	<0.06	<0.01	<0.06	0.51	0.76	0.43	<0.06	0.06
	PAHs (sum of 4)	mg/kg			<0.12	<0.12	<0.12	0.47	<0.12	0.25	<0.12	<0.12	<0.12	<0.04	<0.12	0.63	1.02	0.5	<0.12	0.12
	PAH 16 Total	mg/kg			<0.1	<0.1	<0.1	1.7	<0.1	0.75	<0.1	<0.1	<0.1	-	<0.1	0.69	2.3	0.44	<0.1	<0.1
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	mg/kg			<0.06	<0.06	<0.06	0.15	<0.06	0.09	<0.06	<0.06	<0.06	<0.02	<0.06	0.12	0.26	0.07	<0.06	<0.06
	Benzo(a)pyrene (surrogate marker for PAH mixtu	mg/kg	**15**[#1]		<0.03	<0.03	<0.03	0.09	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	0.06	0.26	<0.03	<0.03	<0.03
SVOC	2,3,4,6-tetrachlorophenol	mg/kg	**25.000**[#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-
	2,3,5,6-Tetrachlorophenol	mg/kg			<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-
	2,6-dichlorophenol	mg/kg			-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	<0.01	<0.01	-	-	-	-
	Aniline	mg/kg	**400**[#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-
	2-chlorophenol	mg/kg	**5.800**[#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	2-methylphenol	mg/kg	**160000**[#3]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	2-nitrophenol	mg/kg			-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-
	2,4-dichlorophenol	mg/kg	**2.500**[#2]		<0.1	<0.01	<0.01	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	<0.1	-	-
	2,4-dimethylphenol	mg/kg	**16.000**[#3]		<0.1	<0.01	<0.01	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	<0.1	-	-
	2,4,5-trichlorophenol	mg/kg	**82.000**[#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	2,4,6-trichlorophenol	mg/kg	**210**[#2]		<0.1	<0.01	<0.01	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	<0.1	-	-
	4-chloro-3-methylphenol	mg/kg	**82.000**[#2]		<0.1	<0.01	<0.01	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	<0.1	-	-
	4-methylphenol	mg/kg	**160000**[#3]		-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	-	-	-
	4-nitrophenol	mg/kg			<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Pentachlorophenol	mg/kg	**400**[#1]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Phenol	mg/kg	**440**[#1]		<0.1	<0.01	<0.01	-	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.01	-	<0.1	-	-
	2-chloronaphthalene	mg/kg	**390**[#3]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	2-methylnaphthalene	mg/kg	**3.000**[#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Bis(2-ethylhexyl) phthalate	mg/kg	**85.000**[#3]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	-
	Butyl benzyl phthalate	mg/kg	**940.000**[#3]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	-
	Di-n-butyl phthalate	mg/kg	**15.000**[#3]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	-
	Di-n-octyl phthalate	mg/kg	**89.000**[#3]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	-
	Diethylphthalate	mg/kg	**150.000**[#3]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	-
	Dimethyl phthalate	mg/kg			<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	<0.1	-	-
	2-nitroaniline	mg/kg	**8.000**[#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-

				Location_Code	MS\BH02	MS\BH02	MS\BH02	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH04	MS\BH04	MS\BH05
				Sample_Depth_Range	2.25-2.7	10.2-10.4	11.2-11.4	0.5	1	2	3-3.3	9.5-9.8	11-11.2	11.2	23.4	0.3	0.5	1	22.3	4.4
				Sampled_Date_Time	28/06/2021	28/06/2021	28/06/2021	22/06/2021	22/06/2021	22/06/2021	23/06/2021	24/06/2021	24/06/2021	23/06/2021	28/06/2021	17/06/2021	17/06/2021	17/06/2021	23/06/2021	16/06/2021
Chem_Group	**ChemName**	**output unit**	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	TFD-S	TFD-C	MG	MG	TFD-S	TFD-S	TFD-S	TFD-C	TFD-C	GT	MG	MG	TFD-S	GT	TFD-S
	3-nitroaniline	mg/kg			<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	4-bromophenyl phenyl ether	mg/kg			<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	4-chloroaniline	mg/kg	11 [#2]		-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	mg/kg			<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	4-nitroaniline	mg/kg	110 [#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Azobenzene	mg/kg	26 [#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Bis(2-chloroethoxy) methane	mg/kg	2.500 [#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Bis(2-chloroethyl)ether	mg/kg	1 [#2]		-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-
	Carbazole	mg/kg			<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Dibenzofuran	mg/kg	1.200 [#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Hexachlorocyclopentadiene	mg/kg	7.5 [#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Hexachloroethane	mg/kg	22 [#3]		-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-
	Isophorone	mg/kg	2.400 [#2]		-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-
	N-nitrosodi-n-propylamine	mg/kg	0.33 [#2]		-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-
	Benzyl alcohol	mg/kg	82.000 [#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-
	Bis(2-chloroisopropyl)ether	mg/kg			<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-
	2,6-Dimethylphenol	mg/kg	490 [#2]		-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	<0.01	<0.01	-	-	-	-
	4,6-Dinitro-2-methylphenol	mg/kg	66 [#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-
	Total Monohydric Phenols (S) Corrected	mg/kg			<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
	Diphenylamine	mg/kg	82.000 [#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-
PCBs	PCB congener 28 + 31	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	mg/kg	0.16 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	mg/kg	0.048 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	mg/kg	0.49 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	mg/kg	0.5 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	PCB 118	mg/kg	0.49 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	mg/kg	0.49 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	mg/kg	0.00015 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	mg/kg	0.5 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	mg/kg	0.5 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	mg/kg	0.51 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	mg/kg	0.00051 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	mg/kg	0.52 [#2]		-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	PCB 52	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	PCB 101	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	PCB 138	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	PCB 153	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	PCB 180	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
	Total PCB 7 Congeners	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-
Explosives	1,3-Dinitrobenzene	mg/kg	82 [#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-
	2,4-Dinitrotoluene	mg/kg	3.700 [#3]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	2,6-dinitrotoluene	mg/kg	1.900 [#3]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	<0.1	-	-
	Nitrobenzene	mg/kg	22 [#2]		-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-
Metals	Arsenic	mg/kg	640 [#1]	*640 [#4]*	9	11	12	4	14	12	9.7	4.9	7.2	-	27	10	8.3	6.9	4.4	7.1
	Beryllium	mg/kg	12 [#1]		<0.2	<0.2	0.6	2.1	5.6	6.6	<0.2	<0.2	0.7	-	1.3	7.3	7.2	0.3	0.7	<0.2
	Cadmium	mg/kg	190 [#1]	*410 [#4]*	<0.1	<0.1	0.1	0.2	1.1	<0.1	<0.1	<0.1	0.1	-	0.1	0.2	0.3	0.5	0.1	<0.1
	Copper	mg/kg	68.000 [#1]		4.6	5.4	15	19	22	12	5	3.5	16	-	19	17	12	5.4	15	5.5
	Iron	mg/kg	820.000 [#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	2.300 [#4]	*2.300 [#4]*	18	4.3	12	21	59	12	4.7	3.5	12	-	13	11	39	27	11	20
	Mercury	mg/kg	1100 [#1]		<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
	Nickel	mg/kg	980 [#1]		3.1	4.5	21	13	7.7	6.4	3.7	3	21	-	31	5.2	3.5	2.6	22	2.9
	Selenium	mg/kg	12.000 [#1]		<0.5	<0.5	<0.5	1.7	2.2	3.6	<0.5	<0.5	<0.5	-	<0.5	2.5	2.4	<0.5	<0.5	<0.5
	Vanadium	mg/kg	9.000 [#1]		12	17	39	220	96	60	26	12	34	-	160	100	100	11	26	13
	Zinc	mg/kg	730.000 [#1]		27	17	49	71	150	31	19	15	52	-	62	37	67	150	41	22
	Boron (Water Soluble)	mg/kg			0.8	1.8	6.7	1.7	5.1	2.9	0.4	0.7	6	-	1.4	3.4	4.8	0.8	1.5	0.3
	Chromium (hexavalent)	mg/kg	33 [#1]	*49 [#4]*	<1	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	<1	<1	<1
	Chromium (Trivalent)	mg/kg	8.600 [#1]		3.8	4.9	22	200	20	16	4.8	3.3	22	-	43	26	19	3	20	3.8
Inorganics	Cyanide (Free)	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
	Cyanide Total	mg/kg	150 [#2]		1.9	<0.1	<0.1	0.1	0.1	0.2	<0.1	<0.1	<0.1	-	<0.1	0.1	0.1	<0.1	<0.1	<0.1
	Thiocyanate	mg/kg	230 [#2]		<0.6	<0.6	<0.6	<0.6	<0.6	0.7	<0.6	<0.6	<0.6	-	<0.6	<0.6	0.8	<0.6	<0.6	<0.6
	Nitrate (as NO3-)	mg/kg	1.900.000 [#2]		2.1	2.1	16	10	11	4.7	1.2	1.2	3.7	-	13	<1	4.6	6.5	4.5	4.9
	Sulphide	mg/kg			150	32	92	600	800	1200	<10	<10	84	-	40	2100	1100	7600	72	32
	Sulphur as S	mg/kg			1600	400	8000	2000	7600	4600	600	200	4500	-	3400	5800	7500	300	2000	200
	Soluble Sulphate 2:1 extract as SO4 BRE	g/l			0.25	0.28	0.85	0.21	1.9	0.6	0.12	0.065	0.95	-	0.23	0.76	1.3	0.12	0.86	0.028
	Elemental Sulphur	mg/kg			60	5.9	2.2	120	80	6.4	<0.75	1.9	4.3	-	<0.75	19	170	11	<0.75	3.5

				Location_Code	MS\BH02	MS\BH02	MS\BH02	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH04	MS\BH04	MS\BH05
				Sample_Depth_Range	2.25-2.7	10.2-10.4	11.2-11.4	0.5	1	2	3-3.3	9.5-9.8	11-11.2	11.2	23.4	0.3	0.5	1	22.3	4.4
				Sampled_Date_Time	28/06/2021	28/06/2021	28/06/2021	22/06/2021	22/06/2021	22/06/2021	23/06/2021	24/06/2021	24/06/2021	23/06/2021	28/06/2021	17/06/2021	17/06/2021	17/06/2021	23/06/2021	16/06/2021
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	TFD-S	TFD-C	MG	MG	TFD-S	TFD-S	TFD-S	TFD-C	TFD-C	GT	MG	MG	TFD-S	GT	TFD-S
Chem_Group	**ChemName**	**output unit**																		
Other	Organic Matter	%			0.8	0.4	3.4	1.8	1.1	1.3	0.3	0.4	2.9	-	0.6	0.8	1	0.4	0.4	<0.1
	Moisture	%			20	21	22	-	-	-	19	20	23	-	11	3.4	4.4	4	13	18
	TOC	%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Quantification - Total - %	%			-	-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-
	Asbestos Identification	None			0	-	-	0	0	0	-	-	-	-	-	0	1	-	-	-
Field	pH	pH_Units	**11.5**		9	9	8.2	**11.6**	9.8	10.4	8.6	9.2	8.4	-	8.4	10	10.9	9.5	8.2	8.9
MISC	1,2-Dinitrobenzene	mg/kg	**82**[#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-
	1,4-dinitrobenzene	mg/kg	**82**[#2]		<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-
	Decane	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Natural Moisture Content	%			-	-	-	-	-	-	-	-	-	14.7 - 28.1	-	-	-	-	-	-
	3/4-Methylphenol (m/p-cresol)	mg/kg			<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-	-	<0.1	-	<0.1	-	-

Env Stds Comments
#1:LQM/CIEH S4ULs 2015
#2:USEPA RSL (May 2020)
#3:EIC/AGS/CL:AIRE
#4:Defra C4SL 12/2014

C4SL 2021 - Vinyl chloride, tetrachloroethene, trichloroethene
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

1,2-Dichloroethene - cis 1,2-dichloroethene used
2-methylphenol - cresol total used
4-methylphenol -cresol total used
pH - Hazardous Waste Value - corrosive

XXX Exceedance of HH Soil. Commercial/Industrial. Sandy Loam. TOC>=0.58 to <1.45%
XXX Exceedance of HH Soil. C4SL Commercial (England, Ireland, Northern Ireland, Wales. TOC>=0.58 to <3.48 &>0.58 to <1.45%

MG - Made Ground
TFD-S - Tidal Flat Deposits - Sand
TFD-C - Tidal F;at Deposits - Clay
GT - Glacial Till
RMU - Redcar Mudstone Formation

					Location_Code	MS\BH05	MS\BH06	MS\BH06	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH08	MS\BH09	MS\BH09
					Sample_Depth_Range	17.3	0.5	5.3	0.35	1-2	2.7-4.2	4.2-4.65	4.65-5	15.7	15.7-15.9	22.4	0.36	3	6	0.5	2-2.3
					Sampled_Date_Time	21/06/2021	24/05/2021	24/05/2021	30/06/2021	30/06/2021	30/06/2021	30/06/2021	30/06/2021	05/07/2021	01/07/2021	06/07/2021	28/05/2021	28/05/2021	28/05/2021	06/07/2021	06/07/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		GT	MG	TFD-S	MG	MG	MG	MG	TFD-S	LD	LD	RMU	MG	MG	MG	MG	MG
TPH	EPH >C10-C40	mg/kg				<10	3300	<10	<10	<10	40	7400	<10	-	<10	-	<10	18	<10	<10	<10
	>C5-C6 Aliphatics	mg/kg	3.200[#1]			<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	-	<0.01	-	<0.01	-	-	<0.01	-
	>C6-C8 Aliphatics	mg/kg	7.800[#1]			<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	-	<0.01	-	<0.01	-	-	<0.01	-
	>C8-C10 Aliphatics	mg/kg	2.000[#1]			<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	-	<0.01	-	<0.01	-	-	<0.01	-
	>C10-C12 Aliphatics	mg/kg	9.700[#1]			<1.5	<1.5	<1.5	-	-	-	12	<1.5	-	<1.5	-	<1.5	-	-	<1.5	-
	>C12-C16 Aliphatics	mg/kg	59.000[#1]			<1.2	12	<1.2	-	-	-	170	<1.2	-	<1.2	-	<1.2	-	-	<1.2	-
	>C16-C21 Aliphatics	mg/kg				<1.5	140	<1.5	-	-	-	540	<1.5	-	<1.5	-	<1.5	-	-	<1.5	-
	>C16-C35 Aliphatics	mg/kg	1.600.000[#1]			<4.9	1440	<4.9	-	-	-	1840	<4.9	-	<4.9	-	<4.9	-	-	<4.9	-
	>C21-C35 Aliphatics	mg/kg				<3.4	1300	<3.4	-	-	-	1300	<3.4	-	<3.4	-	<3.4	-	-	<3.4	-
	>C5-C35 Aliphatics	mg/kg				<10	1500	<10	-	-	-	2000	<10	-	<10	-	<10	-	-	<10	-
	>EC5-EC7 Aromatics	mg/kg	26.000[#1]			<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	-	<0.01	-	<0.01	-	-	<0.01	-
	>EC7-EC8 Aromatics	mg/kg	56.000[#1]			<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	-	<0.01	-	<0.01	-	-	<0.01	-
	>EC8-EC10 Aromatics	mg/kg	3.500[#1]			<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	-	<0.01	-	<0.01	-	-	<0.01	-
	>EC10-EC12 Aromatics	mg/kg	16.000[#1]			<0.9	<0.9	<0.9	-	-	-	4.1	2.7	-	<0.9	-	<0.9	-	-	<0.9	-
	>EC12-EC16 Aromatics	mg/kg	36.000[#1]			<0.5	4	<0.5	-	-	-	150	2.3	-	<0.5	-	<0.5	-	-	<0.5	-
	>EC16-EC21 Aromatics	mg/kg	28.000[#1]			<0.6	60	<0.6	-	-	-	850	12	-	<0.6	-	<0.6	-	-	<0.6	-
	>EC21-EC35 Aromatics	mg/kg	28.000[#1]			<1.4	880	<1.4	-	-	-	2500	59	-	<1.4	-	<1.4	-	-	<1.4	-
	>EC5-EC35 Aromatics	mg/kg				<10	940	<10	-	-	-	3500	76	-	<10	-	<10	-	-	<10	-
	>C5-C35 Aliphatics & Aromatics	mg/kg				<10	2400	<10	-	-	-	5500	76	-	<10	-	<10	-	-	<10	-
VOC	Dichlorodifluoromethane	mg/kg	370[#2]			-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-
	MTBE	mg/kg	7.900[#3]			<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	-	-	<0.01	-
	Chloromethane	mg/kg	1[#3]			-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-
	Vinyl chloride	mg/kg	0.059[#1]	1.1		-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Bromomethane	mg/kg	30[#2]			-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-
	Chloroethane	mg/kg	960[#3]			-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-
	Trichlorofluoromethane	mg/kg	350.000[#2]			-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-
	1,1-dichloroethene	mg/kg	26[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Dichloromethane	mg/kg	270[#3]			-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	mg/kg	22[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,1-dichloroethane	mg/kg	280[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	cis-1,2-dichloroethene	mg/kg	14[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	2,2-dichloropropane	mg/kg				-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Bromochloromethane	mg/kg	630[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Chloroform	mg/kg	99[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,1,1-trichloroethane	mg/kg	660[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,1-dichloropropene	mg/kg				-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Carbon tetrachloride	mg/kg	2.9[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,2-dichloroethane	mg/kg	0.67[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Benzene	mg/kg	27[#1]	27[#4]		<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	-	-	<0.01	-
	Trichloroethene	mg/kg	1.2[#1]	0.73		-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,2-dichloropropane	mg/kg	3.3[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Dibromomethane	mg/kg	99[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Bromodichloromethane	mg/kg	1.3[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	cis-1,3-dichloropropene	mg/kg				-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Toluene	mg/kg	56.000[#1]			<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	-	-	<0.01	-
	trans-1,3-dichloropropene	mg/kg				-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,1,2-trichloroethane	mg/kg	94[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Tetrachloroethene	mg/kg	19[#1]	24		-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,3-dichloropropane	mg/kg	23.000[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Sum of PCE and TCE	mg/kg				-	<0.02	-	-	-	-	<0.02	<0.02	<0.1	-	<0.02	<0.02	-	-	-	-
	Chlorodibromomethane	mg/kg	39[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,2-dibromoethane	mg/kg	0.16[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Chlorobenzene	mg/kg	56[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,1,1,2-tetrachloroethane	mg/kg	110[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Ethylbenzene	mg/kg	5.700[#1]			<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	-	-	<0.01	-
	Xylene (m & p)	mg/kg				-	<0.01	-	-	-	-	<0.01	<0.01	<0.1	-	<0.01	<0.01	-	-	-	-
	Xylene Total	mg/kg	5.900[#1]			<0.01	<0.01	<0.01	-	-	-	<0.01	<0.01	<0.15	<0.01	<0.02	<0.01	-	-	<0.01	-
	Xylene (o)	mg/kg	6.600[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Styrene	mg/kg	3.300[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Bromoform	mg/kg	760[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	Isopropylbenzene	mg/kg	1.400[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,1,2,2-tetrachloroethane	mg/kg	270[#1]			-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-
	Bromobenzene	mg/kg	97[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,2,3-trichloropropane	mg/kg	0.11[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	n-propylbenzene	mg/kg	4.100[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-

					Location_Code	MS\BH05	MS\BH06	MS\BH06	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH08	MS\BH09	MS\BH09
					Sample_Depth_Range	17.3	0.5	5.3	0.35	1-2	2.7-4.2	4.2-4.65	4.65-5	15.7	15.7-15.9	22.4	0.36	3	6	0.5	2-2.3
					Sampled_Date_Time	21/06/2021	24/05/2021	24/05/2021	30/06/2021	30/06/2021	30/06/2021	30/06/2021	30/06/2021	05/07/2021	01/07/2021	06/07/2021	28/05/2021	28/05/2021	28/05/2021	06/07/2021	06/07/2021
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		GT	MG	TFD-S	MG	MG	MG	MG	TFD-S	LD	LD	RMU	MG	MG	MG	MG	MG
Chem_Group	**ChemName**	**output unit**																			
	2-chlorotoluene	mg/kg	23.000[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,3,5-trimethylbenzene	mg/kg	1.500[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	4-chlorotoluene	mg/kg	23.000[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	tert-butylbenzene	mg/kg	120.000[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,2,4-trimethylbenzene	mg/kg	42[#3]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	sec-butylbenzene	mg/kg	120.000[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	p-isopropyltoluene	mg/kg				-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,3-dichlorobenzene	mg/kg	30[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-
	1,4-dichlorobenzene	mg/kg	4.400[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-
	n-butylbenzene	mg/kg	58.000[#2]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,2-dichlorobenzene	mg/kg	2.000[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-
	1,2-dibromo-3-chloropropane	mg/kg	0.064[#2]			-	<0.01	-	-	-	-	<0.01	0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,2,4-trichlorobenzene	mg/kg	220[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-
	Hexachlorobutadiene	mg/kg	31[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-
	1,2,3-trichlorobenzene	mg/kg	102[#1]			-	<0.01	-	-	-	-	<0.01	<0.01	<0.05	-	<0.01	<0.01	-	-	-	-
	1,2-Dichloroethene	mg/kg	14[#3]			-	<0.02	-	-	-	-	<0.02	<0.02	<0.1	-	<0.02	<0.02	-	-	-	-
	Trihalomethanes	mg/kg				-	<0.04	-	-	-	-	<0.04	<0.04	<0.2	-	<0.04	<0.04	-	-	-	-
	Hexachlorobenzene	mg/kg	110[#1]			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	Trichlorobenzene (total)	mg/kg				-	<0.02	-	-	-	-	<0.02	<0.02	<0.06	-	<0.02	<0.02	-	-	-	-
PAH	Naphthalene	mg/kg	190[#1]			<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.01	<0.03	<0.03	0.88	<0.03	<0.03
	Acenaphthylene	mg/kg	83.000[#1]			<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	0.09	<0.03	<0.03
	Acenaphthene	mg/kg	84.000[#1]			<0.03	<0.03	<0.03	<0.03	0.03	<0.03	0.03	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	2.2	<0.03	<0.03
	Fluorene	mg/kg	63.000[#1]			<0.03	<0.03	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	1.7	<0.03	<0.03
	Phenanthrene	mg/kg	22.000[#1]			<0.03	<0.03	<0.03	0.03	0.37	<0.03	0.07	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	11	0.09	0.04
	Anthracene	mg/kg	520.000[#1]			<0.03	<0.03	<0.03	0.04	0.12	<0.03	0.06	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	3.1	<0.03	<0.03
	Fluoranthene	mg/kg	23.000[#1]			<0.03	0.04	<0.03	0.07	0.36	<0.03	0.08	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	14	0.26	<0.03
	Pyrene	mg/kg	54.000[#1]			<0.03	0.05	<0.03	0.05	0.27	<0.03	0.58	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	12	0.26	<0.03
	Benz(a)anthracene	mg/kg	170[#1]			<0.03	0.33	<0.03	0.03	0.11	<0.03	0.22	0.05	<0.01	<0.03	<0.1	<0.03	<0.03	5.7	0.11	0.04
	Chrysene	mg/kg	350[#1]			<0.03	0.13	<0.03	0.04	0.17	0.03	0.15	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	4.5	0.11	<0.03
	Benzo(a) pyrene	mg/kg	35[#1]	77[#4]		<0.03	<0.03	<0.03	<0.03	0.07	<0.03	0.13	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	4.5	0.1	<0.03
	Indeno(1,2,3-c,d)pyrene	mg/kg	500[#1]			<0.03	<0.03	<0.03	<0.03	0.07	<0.03	<0.03	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	2.3	0.06	<0.03
	Dibenz(a,h)anthracene	mg/kg	3.5[#1]			<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	0.75	<0.03	<0.03
	Benzo(g,h,i)perylene	mg/kg	3.900[#1]			<0.03	<0.03	<0.03	<0.03	0.06	<0.03	0.07	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	2.7	0.08	<0.03
	Benzo(b)fluoranthene	mg/kg	44[#1]			<0.03	0.06	<0.03	0.03	0.12	<0.03	0.11	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	6.2	0.18	<0.03
	Benzo(k)fluoranthene	mg/kg	1.200[#1]			<0.03	<0.03	<0.03	<0.03	0.04	<0.03	0.03	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	2.2	0.08	<0.03
	Benzo(b)&(k)fluoranthene	mg/kg				<0.06	0.09	<0.06	0.06	0.16	<0.06	0.14	<0.06	<0.01	<0.06	<0.2	<0.06	<0.06	8.4	0.26	<0.06
	PAHs (sum of 4)	mg/kg				<0.12	0.15	<0.12	0.12	0.29	<0.12	0.24	<0.12	<0.04	<0.12	<0.4	<0.12	<0.12	13.4	0.4	<0.12
	PAH 16 Total	mg/kg				<0.1	0.61	<0.1	0.3	1.8	<0.1	1.5	<0.1	-	<0.1	-	<0.1	<0.1	74	1.3	<0.1
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	mg/kg				<0.06	<0.06	<0.06	<0.06	0.13	<0.06	0.1	<0.06	<0.02	<0.06	<0.2	<0.06	<0.06	5	0.14	<0.06
	Benzo(a)pyrene (surrogate marker for PAH mixtu	mg/kg	15[#1]			<0.03	<0.03	<0.03	<0.03	0.07	<0.03	0.13	<0.03	<0.01	<0.03	<0.1	<0.03	<0.03	4.5	0.1	<0.03
SVOC	2,3,4,6-tetrachlorophenol	mg/kg	25.000[#2]			-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-
	2,3,5,6-Tetrachlorophenol	mg/kg				-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-
	2,6-dichlorophenol	mg/kg				<0.01	-	-	-	-	-	<0.01	<0.01	-	-	-	<0.01	-	-	<0.01	-
	Aniline	mg/kg	400[#2]			-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-
	2-chlorophenol	mg/kg	5.800[#2]			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	2-methylphenol	mg/kg	160000[#3]			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	2-nitrophenol	mg/kg				-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-
	2,4-dichlorophenol	mg/kg	2.500[#2]			<0.01	<1	-	-	-	-	<0.01	<0.01	<0.01	-	<0.1	<0.01	-	-	<0.01	-
	2,4-dimethylphenol	mg/kg	16.000[#3]			<0.01	<1	-	-	-	-	<0.01	<0.01	<0.01	-	<0.1	<0.01	-	-	<0.01	-
	2,4,5-trichlorophenol	mg/kg	82.000[#2]			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	2,4,6-trichlorophenol	mg/kg	210[#2]			<0.01	<1	-	-	-	-	<0.01	<0.01	<0.01	-	<0.1	<0.01	-	-	<0.01	-
	4-chloro-3-methylphenol	mg/kg	82.000[#2]			<0.01	<1	-	-	-	-	<0.01	<0.01	<0.01	-	<0.1	<0.01	-	-	<0.01	-
	4-methylphenol	mg/kg	160000[#3]			<0.01	-	-	-	-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	-	<0.01	-
	4-nitrophenol	mg/kg				-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	0.2	<0.1	-	-	-	-
	Pentachlorophenol	mg/kg	400[#1]			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	Phenol	mg/kg	440[#1]			<0.01	<1	-	-	-	-	<0.01	<0.01	<0.01	-	<0.1	<0.01	-	-	<0.01	-
	2-chloronaphthalene	mg/kg	390[#3]			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	2-methylnaphthalene	mg/kg	3.000[#2]			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	Bis(2-ethylhexyl) phthalate	mg/kg	85.000[#3]			-	<1	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-
	Butyl benzyl phthalate	mg/kg	940.000[#3]			-	<1	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-
	Di-n-butyl phthalate	mg/kg	15.000[#3]			-	<1	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-
	Di-n-octyl phthalate	mg/kg	89.000[#3]			-	<1	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-
	Diethylphthalate	mg/kg	150.000[#3]			-	<1	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-
	Dimethyl phthalate	mg/kg				-	<1	-	-	-	-	<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-
	2-nitroaniline	mg/kg	8.000[#2]			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-

					Location_Code	MS\BH05	MS\BH06	MS\BH06	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH08	MS\BH09	MS\BH09
					Sample_Depth_Range	17.3	0.5	5.3	0.35	1-2	2.7-4.2	4.2-4.65	4.65-5	15.7	15.7-15.9	22.4	0.36	3	6	0.5	2-2.3
					Sampled_Date_Time	21/06/2021	24/05/2021	24/05/2021	30/06/2021	30/06/2021	30/06/2021	30/06/2021	30/06/2021	05/07/2021	01/07/2021	06/07/2021	28/05/2021	28/05/2021	28/05/2021	06/07/2021	06/07/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		GT	MG	TFD-S	MG	MG	MG	MG	TFD-S	LD	LD	RMU	MG	MG	MG	MG	MG
	3-nitroaniline	mg/kg				-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	4-bromophenyl phenyl ether	mg/kg				-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	4-chloroaniline	mg/kg	11 #2			-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	mg/kg				-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	4-nitroaniline	mg/kg	110 #2			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	Azobenzene	mg/kg	26 #2			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	Bis(2-chloroethoxy) methane	mg/kg	2.500 #2			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	Bis(2-chloroethyl)ether	mg/kg	1 #2			-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-
	Carbazole	mg/kg				-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	Dibenzofuran	mg/kg	1.200 #2			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	Hexachlorocyclopentadiene	mg/kg	7.5 #2			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	Hexachloroethane	mg/kg	22 #3			-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-
	Isophorone	mg/kg	2.400 #2			-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-
	N-nitrosodi-n-propylamine	mg/kg	0.33 #2			-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-
	Benzyl alcohol	mg/kg	82.000 #2			-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-
	Bis(2-chloroisopropyl)ether	mg/kg				-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-
	2,6-Dimethylphenol	mg/kg	490 #2			<0.01	-	-	-	-	-	<0.01	<0.01	-	-	-	<0.01	-	-	<0.01	-
	4,6-Dinitro-2-methylphenol	mg/kg	66 #2			-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-
	Total Monohydric Phenols (S) Corrected	mg/kg				<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
	Diphenylamine	mg/kg	82.000 #2			-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-
PCBs	PCB congener 28 + 31	mg/kg				-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	mg/kg	0.16 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	mg/kg	0.048 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	mg/kg	0.49 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	mg/kg	0.5 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 118	mg/kg	0.49 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	mg/kg	0.49 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	mg/kg	0.00015 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	mg/kg	0.5 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	mg/kg	0.5 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	mg/kg	0.51 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	mg/kg	0.00051 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	mg/kg	0.52 #2			-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 52	mg/kg				-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 101	mg/kg				-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 138	mg/kg				-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 153	mg/kg				-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 180	mg/kg				-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	mg/kg				-	-	-	-	-	-	<0.01	<0.01	-	-	-	-	-	-	-	-
Explosives	1,3-Dinitrobenzene	mg/kg	82 #2			-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-
	2,4-Dinitrotoluene	mg/kg	3.700 #3			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	2,6-dinitrotoluene	mg/kg	1.900 #3			-	<1	-	-	-	-	<0.1	<0.1	<0.01	-	<0.1	<0.1	-	-	-	-
	Nitrobenzene	mg/kg	22 #2			-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-
Metals	Arsenic	mg/kg	640 #1	*640 #4*		7.8	5.6	9.5	3.1	3.9	3.7	3.3	4.1	-	9.5	-	8.7	6.1	7.1	34	25
	Beryllium	mg/kg	12 #1			1	0.3	3.2	3.7	6.6	6.9	6.4	1.5	-	1.1	-	8.1	7.9	0.3	2.3	3.4
	Cadmium	mg/kg	190 #1	*410 #4*		0.1	0.2	2.2	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	-	<0.1	<0.1	<0.1	2.2	0.2
	Copper	mg/kg	68.000 #1			23	160	69	15	4	4.8	5.2	5.1	-	21	-	6.6	7.3	4.5	120	46
	Iron	mg/kg	820.000 #2			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	2.300 #4	*2.300 #4*		17	30	51	8	2.2	0.9	1.9	17	-	15	-	2.1	2.7	17	130	25
	Mercury	mg/kg	1100 #1			<0.05	1.9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	0.07	<0.05	<0.05	<0.05	<0.05
	Nickel	mg/kg	980 #1			33	61	28	2	<1	<1	<1	2.2	-	50	-	3.5	2.1	2.6	41	13
	Selenium	mg/kg	12.000 #1			<0.5	<0.5	<0.5	1.4	1.6	1.6	1.6	<0.5	-	<0.5	-	2.1	1.6	<0.5	1.5	6.3
	Vanadium	mg/kg	9.000 #1			36	160	110	48	34	36	39	16	-	46	-	26	34	13	520	170
	Zinc	mg/kg	730.000 #1			57	70	1000	32	7.5	4.6	8.8	20	-	48	-	8.6	23	20	520	63
	Boron (Water Soluble)	mg/kg				3.3	0.3	0.4	2.8	6.5	5.2	6.4	3.4	-	5.5	-	7.4	3.6	0.9	1.4	1.6
	Chromium (hexavalent)	mg/kg	33 #1	*49 #4*		<1	<1	<1	<1	<1	<1	<1	<1	-	<1	-	<1	<1	<1	<1	<1
	Chromium (Trivalent)	mg/kg	8.600 #1			29	50	24	18	6.8	4.6	8.2	3.4	-	42	-	8.2	9.4	4.2	130	30
Inorganics	Cyanide (Free)	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
	Cyanide Total	mg/kg	150 #2			<0.1	0.8	<0.1	0.2	<0.1	<0.1	0.1	<0.1	-	<0.1	-	<0.1	0.2	0.4	<0.1	<0.1
	Thiocyanate	mg/kg	230 #2			<0.6	<0.6	<0.6	0.7	0.8	<0.6	1	<0.6	-	<0.6	-	1.9	<0.6	<0.6	<0.6	<0.6
	Nitrate (as NO3-)	mg/kg	1.900.000 #2			3.5	<1	1.2	<1	<1	<1	<1	<1	-	13	-	13	1.7	4.8	3.6	3.8
	Sulphide	mg/kg				40	110	2400	2800	1500	2000	1900	640	-	36	-	800	1800	210	340	800
	Sulphur as S	mg/kg				400	500	4100	2200	4600	5500	4700	2000	-	900	-	8200	17,000	1000	1300	4600
	Soluble Sulphate 2:1 extract as SO4 BRE	g/l				0.35	0.032	0.97	0.51	0.78	1.3	0.97	0.81	-	0.49	-	0.91	2.5	1.5	0.11	0.32
	Elemental Sulphur	mg/kg				<0.75	5.6	<0.75	31	140	95	95	89	-	<0.75	-	14	23	13	1.8	5.4

				Location_Code	MS\BH05	MS\BH06	MS\BH06	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH08	MS\BH09	MS\BH09
				Sample_Depth_Range	17.3	0.5	5.3	0.35	1-2	2.7-4.2	4.2-4.65	4.65-5	15.7	15.7-15.9	22.4	0.36	3	6	0.5	2-2.3
				Sampled_Date_Time	21/06/2021	24/05/2021	24/05/2021	30/06/2021	30/06/2021	30/06/2021	30/06/2021	30/06/2021	05/07/2021	01/07/2021	06/07/2021	28/05/2021	28/05/2021	28/05/2021	06/07/2021	06/07/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	GT	MG	TFD-S	MG	MG	MG	MG	TFD-S	LD	LD	RMU	MG	MG	MG	MG	MG
Other	Organic Matter	%			2.3	0.5	0.7	0.8	0.5	0.6	1.4	0.4	-	1.8	-	0.8	1.3	0.5	2	1.3
	Moisture	%			15	6.6	15	8	2.2	2.4	6.4	18	-	19	-	11	9	20	13	10
	TOC	%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Quantification - Total - %	%			-	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	<0.001
	Asbestos Identification	None			-	1	-	-	-	-	0	-	-	-	-	0	0	-	1	1
Field	pH	pH Units	**11.5**		8.5	8.9	10.2	9.2	11.1	10.7	11.1	10.8	-	8.7	-	10	10.3	9.1	10	8.1
MISC	1,2-Dinitrobenzene	mg/kg	**82**[#2]		-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-
	1,4-dinitrobenzene	mg/kg	**82**[#2]		-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-
	Decane	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Natural Moisture Content	%			-	-	-	-	-	-	-	-	25.4	-	-	-	-	-	-	-
	3/4-Methylphenol (m/p-cresol)	mg/kg			-	<1	-	-	-	-	<0.1	<0.1	-	-	<0.1	<0.1	-	-	-	-

Env Stds Comments
#1:LQM/CIEH S4ULs 2015
#2:USEPA RSL (May 2020)
#3:EIC/AGS/CL:AIRE
#4:Defra C4SL 12/2014

C4SL 2021 - Vinyl chloride, tetrachloroethene, trichloroethene
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

1,2-Dichloroethene - cis 1,2-dichloroethene used
2-methylphenol - cresol total used
4-methylphenol -cresol total used
pH - Hazardous Waste Value - corrosive

XXX	Exceedance of HH Soil. Commercial/Industrial. Sandy Loam. TOC>=0.58 to <1.45%
XXX	Exceedance of HH Soil. C4SL Commercial (England, Ireland, Northern Ireland, Wales. TOC>=0.58 to <3.48 &>0.58 to <1.45%

MG - Made Ground
TFD-S - Tidal Flat Deposits - Sand
TFD-C - Tidal F;at Deposits - Clay
GT - Glacial Till
RMU - Redcar Mudstone Formation

				Location_Code	MS\BH09	MS\BH09	MS\BH09	MS\BH10	MS\BH10	MS\BH10	MS\BH10	MS\BH10	MS\BH11	MS\BH11	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13
				Sample_Depth_Range	4.65-4.85	13	14	1	4	5	11.3	19.1	0.5	4	5	13.2	1	2.7-3	0.5	3
				Sampled_Date_Time	06/07/2021	07/07/2021	07/07/2021	07/06/2021	09/06/2021	14/06/2021	16/06/2021	18/06/2021	02/06/2021	02/06/2021	02/06/2021	03/06/2021	03/06/2021	03/06/2021	25/06/2021	28/06/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	TFD-S	TFD-S	GT	MG	MG	TFD-S	TFD-C	GT	MG	MG	TFD-S	TFD-C	MG	TFD-S	MG	MG
TPH	EPH >C10-C40	mg/kg			<10	-	-	<10	<10	<10	<10	<10	110	<10	<10	<10	<10	<10	84	-
	>C5-C6 Aliphatics	mg/kg	3.200[#1]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	-	-	-
	>C6-C8 Aliphatics	mg/kg	7.800[#1]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	-	-	-
	>C8-C10 Aliphatics	mg/kg	2.000[#1]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	-	-	-
	>C10-C12 Aliphatics	mg/kg	9.700[#1]		-	-	-	<1.5	<1.5	-	<1.5	<1.5	-	<1.5	<1.5	-	<1.5	-	-	-
	>C12-C16 Aliphatics	mg/kg	59.000[#1]		-	-	-	<1.2	<1.2	-	<1.2	<1.2	-	<1.2	<1.2	-	<1.2	-	-	-
	>C16-C21 Aliphatics	mg/kg			-	-	-	<1.5	<1.5	-	<1.5	<1.5	-	<1.5	<1.5	-	<1.5	-	-	-
	>C16-C35 Aliphatics	mg/kg	1.600.000[#1]		-	-	-	<4.9	<4.9	-	<4.9	<4.9	-	<4.9	<4.9	-	<4.9	-	-	-
	>C21-C35 Aliphatics	mg/kg			-	-	-	<3.4	<3.4	-	<3.4	<3.4	-	<3.4	<3.4	-	<3.4	-	-	-
	>C5-C35 Aliphatics	mg/kg			-	-	-	<10	<10	-	<10	<10	-	<10	<10	-	<10	-	-	-
	>EC5-EC7 Aromatics	mg/kg	26.000[#1]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	-	-	-
	>EC7-EC8 Aromatics	mg/kg	56.000[#1]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	-	-	-
	>EC8-EC10 Aromatics	mg/kg	3.500[#1]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	-	-	-
	>EC10-EC12 Aromatics	mg/kg	16.000[#1]		-	-	-	<0.9	<0.9	-	<0.9	<0.9	-	<0.9	<0.9	-	<0.9	-	-	-
	>EC12-EC16 Aromatics	mg/kg	36.000[#1]		-	-	-	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	-	-	-
	>EC16-EC21 Aromatics	mg/kg	28.000[#1]		-	-	-	<0.6	<0.6	-	<0.6	<0.6	-	<0.6	<0.6	-	<0.6	-	-	-
	>EC21-EC35 Aromatics	mg/kg	28.000[#1]		-	-	-	<1.4	<1.4	-	<1.4	<1.4	-	<1.4	<1.4	-	<1.4	-	-	-
	>EC5-EC35 Aromatics	mg/kg			-	-	-	<10	<10	-	<10	<10	-	<10	<10	-	<10	-	-	-
	>C5-C35 Aliphatics & Aromatics	mg/kg			-	-	-	<10	<10	-	<10	<10	-	<10	<10	-	<10	-	-	-
VOC	Dichlorodifluoromethane	mg/kg	370[#2]		-	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
	MTBE	mg/kg	7.900[#3]		-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.05
	Chloromethane	mg/kg	1[#3]		-	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	0.126
	Vinyl chloride	mg/kg	0.059[#1]	1.1	-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Bromomethane	mg/kg	30[#2]		-	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
	Chloroethane	mg/kg	960[#3]		-	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
	Trichlorofluoromethane	mg/kg	350.000[#2]		-	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
	1,1-dichloroethene	mg/kg	26[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Dichloromethane	mg/kg	270[#3]		-	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
	trans-1,2-dichloroethene	mg/kg	22[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,1-dichloroethane	mg/kg	280[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	cis-1,2-dichloroethene	mg/kg	14[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	2,2-dichloropropane	mg/kg			-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Bromochloromethane	mg/kg	630[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Chloroform	mg/kg	99[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,1,1-trichloroethane	mg/kg	660[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,1-dichloropropene	mg/kg			-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Carbon tetrachloride	mg/kg	2.9[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,2-dichloroethane	mg/kg	0.67[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Benzene	mg/kg	27[#1]	27[#4]	-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.05
	Trichloroethene	mg/kg	1.2[#1]	0.73	-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,2-dichloropropane	mg/kg	3.3[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Dibromomethane	mg/kg	99[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Bromodichloromethane	mg/kg	1.3[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	cis-1,3-dichloropropene	mg/kg			-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Toluene	mg/kg	56.000[#1]		-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.05
	trans-1,3-dichloropropene	mg/kg			-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,1,2-trichloroethane	mg/kg	94[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Tetrachloroethene	mg/kg	19[#1]	24	-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,3-dichloropropane	mg/kg	23.000[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Sum of PCE and TCE	mg/kg			-	-	<0.02	<0.02	<0.02	-	-	<0.02	-	<0.02	-	-	<0.02	<0.02	-	<0.1
	Chlorodibromomethane	mg/kg	39[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,2-dibromoethane	mg/kg	0.16[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Chlorobenzene	mg/kg	56[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,1,1,2-tetrachloroethane	mg/kg	110[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Ethylbenzene	mg/kg	5.700[#1]		-	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.05
	Xylene (m & p)	mg/kg			-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.1
	Xylene Total	mg/kg	5.900[#1]		-	-	<0.02	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	<0.02	-	<0.15
	Xylene (o)	mg/kg	6.600[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Styrene	mg/kg	3.300[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Bromoform	mg/kg	760[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	Isopropylbenzene	mg/kg	1.400[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,1,2,2-tetrachloroethane	mg/kg	270[#1]		-	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	<0.05
	Bromobenzene	mg/kg	97[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,2,3-trichloropropane	mg/kg	0.11[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	n-propylbenzene	mg/kg	4.100[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05

				Location_Code	MS\BH09	MS\BH09	MS\BH09	MS\BH10	MS\BH10	MS\BH10	MS\BH10	MS\BH10	MS\BH11	MS\BH11	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13
				Sample_Depth_Range	4.65-4.85	13	14	1	4	5	11.3	19.1	0.5	4	5	13.2	1	2.7-3	0.5	3
				Sampled_Date_Time	06/07/2021	07/07/2021	07/07/2021	07/06/2021	09/06/2021	14/06/2021	16/06/2021	18/06/2021	02/06/2021	02/06/2021	02/06/2021	03/06/2021	03/06/2021	03/06/2021	25/06/2021	28/06/2021
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	TFD-S	TFD-S	GT	MG	MG	TFD-S	TFD-C	GT	MG	MG	TFD-S	TFD-C	MG	TFD-S	MG	MG
Chem_Group	**ChemName**	**output unit**																		
	2-chlorotoluene	mg/kg	**23.000**[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,3,5-trimethylbenzene	mg/kg	**1.500**[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	4-chlorotoluene	mg/kg	**23.000**[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	tert-butylbenzene	mg/kg	**120.000**[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,2,4-trimethylbenzene	mg/kg	**42**[#3]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	sec-butylbenzene	mg/kg	**120.000**[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	p-isopropyltoluene	mg/kg			-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,3-dichlorobenzene	mg/kg	**30**[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.01
	1,4-dichlorobenzene	mg/kg	**4.400**[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.01
	n-butylbenzene	mg/kg	**58.000**[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,2-dichlorobenzene	mg/kg	**2.000**[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.01
	1,2-dibromo-3-chloropropane	mg/kg	**0.064**[#2]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,2,4-trichlorobenzene	mg/kg	**220**[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.01
	Hexachlorobutadiene	mg/kg	**31**[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.01
	1,2,3-trichlorobenzene	mg/kg	**102**[#1]		-	-	<0.01	<0.01	<0.01	-	-	<0.01	-	<0.01	-	-	<0.01	<0.01	-	<0.05
	1,2-Dichloroethene	mg/kg	**14**[#3]		-	-	<0.02	<0.02	<0.02	-	-	<0.02	-	<0.02	-	-	<0.02	<0.02	-	<0.1
	Trihalomethanes	mg/kg			-	-	<0.04	<0.04	<0.04	-	-	<0.04	-	<0.04	-	-	<0.04	<0.04	-	<0.2
	Hexachlorobenzene	mg/kg	**110**[#1]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Trichlorobenzene (total)	mg/kg			-	-	<0.02	<0.02	<0.02	-	-	<0.02	-	<0.02	-	-	<0.02	<0.02	-	<0.06
PAH	Naphthalene	mg/kg	**190**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.01	0.04	<0.03	<0.03	<0.03	0.05	<0.03	<0.03	<0.01
	Acenaphthylene	mg/kg	**83.000**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01
	Acenaphthene	mg/kg	**84.000**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01
	Fluorene	mg/kg	**63.000**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01
	Phenanthrene	mg/kg	**22.000**[#1]		<0.03	-	<0.01	<0.03	<0.03	0.05	<0.03	<0.03	0.6	0.07	<0.03	<0.03	0.2	<0.03	0.18	0.025
	Anthracene	mg/kg	**520.000**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.08	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01
	Fluoranthene	mg/kg	**23.000**[#1]		<0.03	-	<0.01	<0.03	<0.03	0.08	<0.03	<0.03	1.3	0.06	<0.03	<0.03	0.62	<0.03	0.6	0.023
	Pyrene	mg/kg	**54.000**[#1]		<0.03	-	<0.01	<0.03	<0.03	0.06	<0.03	<0.03	0.98	0.04	<0.03	<0.03	0.55	<0.03	0.5	0.021
	Benz(a)anthracene	mg/kg	**170**[#1]		<0.03	-	<0.01	<0.03	<0.03	0.04	<0.03	<0.03	0.7	<0.03	<0.03	<0.03	0.26	<0.03	0.21	0.039
	Chrysene	mg/kg	**350**[#1]		<0.03	-	<0.01	<0.03	<0.03	0.04	<0.03	<0.03	0.5	<0.03	<0.03	<0.03	0.27	<0.03	0.35	0.02
	Benzo(a) pyrene	mg/kg	**35**[#1]	*77*[#4]	<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.57	<0.03	<0.03	<0.03	0.43	<0.03	0.2	<0.01
	Indeno(1,2,3-c,d)pyrene	mg/kg	**500**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.25	<0.03	<0.03	<0.03	0.27	<0.03	0.19	<0.01
	Dibenz(a,h)anthracene	mg/kg	**3.5**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	<0.03	<0.03	<0.03	0.05	<0.03	0.03	<0.01
	Benzo(g,h,i)perylene	mg/kg	**3.900**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.28	<0.03	<0.03	<0.03	0.33	<0.03	0.2	<0.01
	Benzo(b)fluoranthene	mg/kg	**44**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.6	<0.03	<0.03	<0.03	0.75	<0.03	0.4	0.017
	Benzo(k)fluoranthene	mg/kg	**1.200**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.41	<0.03	<0.03	<0.03	0.26	<0.03	0.17	<0.01
	Benzo(b)&(k)fluoranthene	mg/kg			<0.06	-	<0.01	<0.06	<0.06	<0.06	<0.06	<0.06	1.01	<0.06	<0.06	<0.06	1.01	<0.06	0.57	0.023
	PAHs (sum of 4)	mg/kg			<0.12	-	<0.04	<0.12	<0.12	<0.12	<0.12	<0.12	1.54	<0.12	<0.12	<0.12	1.61	<0.12	0.96	0.047
	PAH 16 Total	mg/kg			<0.1	-	-	<0.1	<0.1	0.26	<0.1	<0.1	6.3	0.17	<0.1	<0.1	4	<0.1	3	-
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	mg/kg			<0.06	-	<0.02	<0.06	<0.06	<0.06	<0.06	<0.06	0.53	<0.06	<0.06	<0.06	0.6	<0.06	0.39	<0.02
	Benzo(a)pyrene (surrogate marker for PAH mixtu	mg/kg	**15**[#1]		<0.03	-	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	0.57	<0.03	<0.03	<0.03	0.43	<0.03	0.2	<0.01
SVOC	2,3,4,6-tetrachlorophenol	mg/kg	**25.000**[#2]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
	2,3,5,6-Tetrachlorophenol	mg/kg			-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
	2,6-dichlorophenol	mg/kg			-	-	-	-	<0.01	-	-	-	-	<0.01	-	-	<0.01	-	-	-
	Aniline	mg/kg	**400**[#2]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
	2-chlorophenol	mg/kg	**5.800**[#2]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	2-methylphenol	mg/kg	**160000**[#3]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	2-nitrophenol	mg/kg			-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
	2,4-dichlorophenol	mg/kg	**2.500**[#2]		-	-	<0.01	<0.1	<0.01	-	-	<0.1	-	<0.01	-	-	<0.01	<0.1	-	<0.01
	2,4-dimethylphenol	mg/kg	**16.000**[#3]		-	-	<0.01	<0.1	<0.01	-	-	<0.1	-	<0.01	-	-	<0.01	<0.1	-	<0.01
	2,4,5-trichlorophenol	mg/kg	**82.000**[#2]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	2,4,6-trichlorophenol	mg/kg	**210**[#2]		-	-	<0.01	<0.1	<0.01	-	-	<0.1	-	<0.01	-	-	<0.01	<0.1	-	<0.01
	4-chloro-3-methylphenol	mg/kg	**82.000**[#2]		-	-	<0.01	<0.1	<0.01	-	-	<0.1	-	<0.01	-	-	<0.01	<0.1	-	<0.01
	4-methylphenol	mg/kg	**160000**[#3]		-	-	<0.01	-	<0.01	-	-	-	-	<0.01	-	-	<0.01	-	-	<0.01
	4-nitrophenol	mg/kg			-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Pentachlorophenol	mg/kg	**400**[#1]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Phenol	mg/kg	**440**[#1]		-	-	<0.01	<0.1	<0.01	-	-	<0.1	-	<0.01	-	-	<0.01	<0.1	-	<0.01
	2-chloronaphthalene	mg/kg	**390**[#3]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	2-methylnaphthalene	mg/kg	**3.000**[#2]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Bis(2-ethylhexyl) phthalate	mg/kg	**85.000**[#3]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.1
	Butyl benzyl phthalate	mg/kg	**940.000**[#3]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.1
	Di-n-butyl phthalate	mg/kg	**15.000**[#3]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.1
	Di-n-octyl phthalate	mg/kg	**89.000**[#3]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.1
	Diethylphthalate	mg/kg	**150.000**[#3]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.1
	Dimethyl phthalate	mg/kg			-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.1
	2-nitroaniline	mg/kg	**8.000**[#2]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01

				Location_Code	MS\BH09	MS\BH09	MS\BH09	MS\BH10	MS\BH10	MS\BH10	MS\BH10	MS\BH10	MS\BH11	MS\BH11	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13
				Sample_Depth_Range	4.65-4.85	13	14	1	4	5	11.3	19.1	0.5	4	5	13.2	1	2.7-3	0.5	3
				Sampled_Date_Time	06/07/2021	07/07/2021	07/07/2021	07/06/2021	09/06/2021	14/06/2021	16/06/2021	18/06/2021	02/06/2021	02/06/2021	02/06/2021	03/06/2021	03/06/2021	03/06/2021	25/06/2021	28/06/2021
Chem_Group	**ChemName**	**output unit**	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	TFD-S	TFD-S	GT	MG	MG	TFD-S	TFD-C	GT	MG	MG	TFD-S	TFD-C	MG	TFD-S	MG	MG
	3-nitroaniline	mg/kg			-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	4-bromophenyl phenyl ether	mg/kg			-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	4-chloroaniline	mg/kg	**11**[#2]		-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
	4-chlorophenyl phenyl ether	mg/kg			-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	4-nitroaniline	mg/kg	**110**[#2]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Azobenzene	mg/kg	**26**[#2]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Bis(2-chloroethoxy) methane	mg/kg	**2.500**[#2]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Bis(2-chloroethyl)ether	mg/kg	**1**[#2]		-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
	Carbazole	mg/kg			-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Dibenzofuran	mg/kg	**1.200**[#2]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Hexachlorocyclopentadiene	mg/kg	**7.5**[#2]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Hexachloroethane	mg/kg	**22**[#3]		-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
	Isophorone	mg/kg	**2.400**[#2]		-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
	N-nitrosodi-n-propylamine	mg/kg	**0.33**[#2]		-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
	Benzyl alcohol	mg/kg	**82.000**[#2]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
	Bis(2-chloroisopropyl)ether	mg/kg			-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
	2,6-Dimethylphenol	mg/kg	**490**[#2]		-	-	-	-	<0.01	-	-	-	-	<0.01	-	-	<0.01	-	-	-
	4,6-Dinitro-2-methylphenol	mg/kg	**66**[#2]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
	Total Monohydric Phenols (S) Corrected	mg/kg			<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	-
	Diphenylamine	mg/kg	**82.000**[#2]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
PCBs	PCB congener 28 + 31	mg/kg			-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	mg/kg	**0.16**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	mg/kg	**0.048**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	mg/kg	**0.49**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	mg/kg	**0.5**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 118	mg/kg	**0.49**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	mg/kg	**0.49**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	mg/kg	**0.00015**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	mg/kg	**0.5**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	mg/kg	**0.5**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	mg/kg	**0.51**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	mg/kg	**0.00051**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	mg/kg	**0.52**[#2]		-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 52	mg/kg			-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 101	mg/kg			-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 138	mg/kg			-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 153	mg/kg			-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	PCB 180	mg/kg			-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	mg/kg			-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-	-	-	-
Explosives	1,3-Dinitrobenzene	mg/kg	**82**[#2]		-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
	2,4-Dinitrotoluene	mg/kg	**3.700**[#3]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	2,6-dinitrotoluene	mg/kg	**1.900**[#3]		-	-	<0.01	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	<0.01
	Nitrobenzene	mg/kg	**22**[#2]		-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
Metals	Arsenic	mg/kg	**640**[#1]	*640*[#4]	8.9	7.9	-	14	12	8.5	9.4	6.4	6.2	5.7	12	8.7	9.5	6.6	3.2	-
	Beryllium	mg/kg	**12**[#1]		<0.2	<0.2	-	1.1	0.8	<0.2	0.8	3.5	3.8	<0.2	2.1	0.8	2.1	0.3	0.5	-
	Cadmium	mg/kg	**190**[#1]	*410*[#4]	0.1	<0.1	-	0.2	0.2	<0.1	<0.1	0.2	20	8.1	4.2	<0.1	0.4	<0.1	0.4	-
	Copper	mg/kg	**68.000**[#1]		7.4	12	-	14	11	7.1	19	17	21	5.9	47	18	54	5.6	49	-
	Iron	mg/kg	**820.000**[#2]		-	11,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	**2.300**[#4]	*2.300*[#4]	34	26	-	5.5	3.1	33	19	29	110	38	520	17	34	11	22	-
	Mercury	mg/kg	**1100**[#1]		<0.05	<0.05	-	0.78	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-
	Nickel	mg/kg	**980**[#1]		4.1	5.7	-	11	3.7	3.9	30	15	11	4.7	11	27	11	2.6	12	-
	Selenium	mg/kg	**12.000**[#1]		<0.5	<0.5	-	8.8	5.4	<0.5	<0.5	1.1	1.2	<0.5	5.1	<0.5	3.9	<0.5	10	-
	Vanadium	mg/kg	**9.000**[#1]		24	30	-	2100	1600	14	51	57	37	17	1400	47	1300	43	1300	-
	Zinc	mg/kg	**730.000**[#1]		44	42	-	11	11	38	73	60	4100	350	980	64	78	21	51	-
	Boron (Water Soluble)	mg/kg			0.4	4.3	-	0.3	1.2	2.5	1.7	3.8	1.2	0.2	0.6	4.4	1.2	<0.2	1.9	-
	Chromium (hexavalent)	mg/kg	**33**[#1]	*49*[#4]	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	-
	Chromium (Trivalent)	mg/kg	**8.600**[#1]		5.7	12	-	570	430	4.2	32	20	14	6.6	760	29	350	14	990	-
Inorganics	Cyanide (Free)	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	-
	Cyanide Total	mg/kg	**150**[#2]		0.4	-	-	<0.1	0.3	<0.1	0.1	0.1	0.1	0.1	0.3	<0.1	<0.1	<0.1	<0.1	-
	Thiocyanate	mg/kg	**230**[#2]		<0.6	-	-	<0.6	<0.6	2.4	<0.6	<0.6	2.8	<0.6	0.7	<0.6	<0.6	<0.6	<0.6	-
	Nitrate (as NO3-)	mg/kg	**1.900.000**[#2]		1.3	-	-	10	7.3	1.5	8.6	5.7	5.4	18	7.2	<1	4.2	<1	3.9	-
	Sulphide	mg/kg			40	-	-	340	260	44	180	2700	1800	<10	1700	52	460	130	270	-
	Sulphur as S	mg/kg			300	-	-	2300	2500	800	3700	4200	5800	300	3200	3600	2200	500	1600	-
	Soluble Sulphate 2:1 extract as SO4 BRE	g/l			0.037	-	-	0.043	0.12	0.27	0.54	1.5	1.4	0.12	0.6	0.38	0.11	0.071	0.019	-
	Elemental Sulphur	mg/kg			<0.75	-	-	1.5	1.7	<0.75	69	5.1	22	21	<0.75	3.5	3.4	<0.75	6.6	-

Soil Chemical Results Screened against GAC protective of Human Health (Commerical Industrial End Use)

					Location_Code	MS\BH09	MS\BH09	MS\BH09	MS\BH10	MS\BH10	MS\BH10	MS\BH10	MS\BH10	MS\BH11	MS\BH11	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13
					Sample_Depth_Range	4.65-4.85	13	14	1	4	5	11.3	19.1	0.5	4	5	13.2	1	2.7-3	0.5	3
					Sampled_Date_Time	06/07/2021	07/07/2021	07/07/2021	07/06/2021	09/06/2021	14/06/2021	16/06/2021	18/06/2021	02/06/2021	02/06/2021	02/06/2021	03/06/2021	03/06/2021	03/06/2021	25/06/2021	28/06/2021
Chem_Group	**ChemName**	**output unit**	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		TFD-S	TFD-S	GT	MG	MG	TFD-S	TFD-C	GT	MG	MG	TFD-S	TFD-C	MG	TFD-S	MG	MG
Other	Organic Matter	%				0.2	-	-	0.7	0.6	2.1	2.3	1.1	0.5	0.2	1.2	2.7	1.2	0.2	1.4	-
	Moisture	%				20	-	-	2.4	3.5	21	26	13	6.1	13	18	24	5.9	17	4.6	-
	TOC	%				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Quantification - Total - %	%				-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-
	Asbestos Identification	None				-	-	-	0	0	-	-	-	1	0	-	-	0	-	-	-
Field	pH	pH_Units	**11.5**			8.8	-	-	**11.5**	11.4	10.3	8.4	10.2	11.4	8.6	**11.6**	8.1	10.9	10.7	**12.2**	-
MISC	1,2-Dinitrobenzene	mg/kg	**82**[#2]			-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
	1,4-dinitrobenzene	mg/kg	**82**[#2]			-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
	Decane	mg/kg				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Natural Moisture Content	%				-	-	21.9	-	-	-	-	-	-	-	-	-	-	-	-	25.9
	3/4-Methylphenol (m/p-cresol)	mg/kg				-	-	<0.1	<0.1	<0.1	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-

Env Stds Comments
#1:LQM/CIEH S4ULs 2015
#2:USEPA RSL (May 2020)
#3:EIC/AGS/CL:AIRE
#4:Defra C4SL 12/2014

C4SL 2021 - Vinyl chloride, tetrachloroethene, trichloroethene
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

1,2-Dichloroethene - cis 1,2-dichloroethene used
2-methylphenol - cresol total used
4-methylphenol -cresol total used
pH - Hazardous Waste Value - corrosive

XXX	Exceedance of HH Soil. Commercial/Industrial. Sandy Loam. TOC>=0.58 to <1.45%
XXX	Exceedance of HH Soil. C4SL Commercial (England, Ireland, Northern Ireland, Wales. TOC>=0.58 to <3.48 &>0.58 to <1.45%

MG - Made Ground
TFD-S - Tidal Flat Deposits - Sand
TFD-C - Tidal F;at Deposits - Clay
GT - Glacial Till
RMU - Redcar Mudstone Formation

					Location_Code	MS\BH13	MS\BH13	MS\BH13	MS\BH13	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH15	MS\BH15	MS\BH15	MS\BH15	MS\BH15	MS\BH15
					Sample_Depth_Range	3.6	10.2-10.4	11	11-11.2	0.3	1	4.2-4.4	4.5-4.8	14.2	17.5-17.7	1	2	2.7-2.9	4.4-4.6	12.45-13	17.15
					Sampled_Date_Time	25/06/2021	28/06/2021	28/06/2021	28/06/2021	28/06/2021	28/06/2021	29/06/2021	29/06/2021	01/07/2021	02/07/2021	01/07/2021	05/07/2021	02/07/2021	02/07/2021	06/07/2021	06/07/2021
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		MG	TFD-S	LD	LD	MG	MG	MG	TFD-S	TFD-C	RMU	MG	MG	MG	MG	TFD-S	GT
Chem_Group	**ChemName**	**output unit**																			
TPH	EPH >C10-C40	mg/kg				<10	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	-	<10	<10	<10	-
	>C5-C6 Aliphatics	mg/kg	**3.200**[#1]			-	-	-	-	-	-	<0.01	-	<0.01	<0.01	<0.01	-	<0.01	-	-	-
	>C6-C8 Aliphatics	mg/kg	**7.800**[#1]			-	-	-	-	-	-	<0.01	-	<0.01	<0.01	<0.01	-	<0.01	-	-	-
	>C8-C10 Aliphatics	mg/kg	**2.000**[#1]			-	-	-	-	-	-	0.04	-	<0.01	<0.01	<0.01	-	<0.01	-	-	-
	>C10-C12 Aliphatics	mg/kg	**9.700**[#1]			-	-	-	-	-	-	<1.5	-	<1.5	<1.5	<1.5	-	<1.5	-	-	-
	>C12-C16 Aliphatics	mg/kg	**59.000**[#1]			-	-	-	-	-	-	<1.2	-	<1.2	<1.2	<1.2	-	<1.2	-	-	-
	>C16-C21 Aliphatics	mg/kg				-	-	-	-	-	-	<1.5	-	<1.5	<1.5	<1.5	-	<1.5	-	-	-
	>C16-C35 Aliphatics	mg/kg	**1.600.000**[#1]			-	-	-	-	-	-	<4.9	-	<4.9	<4.9	<4.9	-	<4.9	-	-	-
	>C21-C35 Aliphatics	mg/kg				-	-	-	-	-	-	<3.4	-	<3.4	<3.4	<3.4	-	<3.4	-	-	-
	>C5-C35 Aliphatics	mg/kg				-	-	-	-	-	-	<10	-	<10	<10	<10	-	<10	-	-	-
	>EC5-EC7 Aromatics	mg/kg	**26.000**[#1]			-	-	-	-	-	-	<0.01	-	<0.01	<0.01	<0.01	-	<0.01	-	-	-
	>EC7-EC8 Aromatics	mg/kg	**56.000**[#1]			-	-	-	-	-	-	<0.01	-	<0.01	<0.01	<0.01	-	<0.01	-	-	-
	>EC8-EC10 Aromatics	mg/kg	**3.500**[#1]			-	-	-	-	-	-	0.28	-	<0.01	<0.01	<0.01	-	<0.01	-	-	-
	>EC10-EC12 Aromatics	mg/kg	**16.000**[#1]			-	-	-	-	-	-	<0.9	-	<0.9	<0.9	<0.9	-	<0.9	-	-	-
	>EC12-EC16 Aromatics	mg/kg	**36.000**[#1]			-	-	-	-	-	-	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	-	-	-
	>EC16-EC21 Aromatics	mg/kg	**28.000**[#1]			-	-	-	-	-	-	<0.6	-	<0.6	<0.6	<0.6	-	<0.6	-	-	-
	>EC21-EC35 Aromatics	mg/kg	**28.000**[#1]			-	-	-	-	-	-	<1.4	-	<1.4	<1.4	<1.4	-	<1.4	-	-	-
	>EC5-EC35 Aromatics	mg/kg				-	-	-	-	-	-	<10	-	<10	<10	<10	-	<10	-	-	-
	>C5-C35 Aliphatics & Aromatics	mg/kg				-	-	-	-	-	-	<10	-	<10	<10	<10	-	<10	-	-	-
VOC	Dichlorodifluoromethane	mg/kg	**370**[#2]			-	-	<0.05	-	-	-	-	-	-	<0.05	-	<0.05	-	-	-	<0.05
	MTBE	mg/kg	**7.900**[#3]			-	-	<0.05	-	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.05	<0.01	-	-	<0.05
	Chloromethane	mg/kg	**1**[#3]			-	-	<0.05	-	-	-	-	-	-	0.12	-	0.119	-	-	-	<0.05
	Vinyl chloride	mg/kg	**0.059**[#1]	*1.1*		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Bromomethane	mg/kg	**30**[#2]			-	-	<0.05	-	-	-	-	-	-	<0.05	-	<0.05	-	-	-	<0.05
	Chloroethane	mg/kg	**960**[#3]			-	-	<0.05	-	-	-	-	-	-	<0.05	-	<0.05	-	-	-	<0.05
	Trichlorofluoromethane	mg/kg	**350.000**[#2]			-	-	<0.05	-	-	-	-	-	-	<0.05	-	<0.05	-	-	-	<0.05
	1,1-dichloroethene	mg/kg	**26**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Dichloromethane	mg/kg	**270**[#3]			-	-	<0.05	-	-	-	-	-	-	<0.05	-	<0.05	-	-	-	<0.05
	trans-1,2-dichloroethene	mg/kg	**22**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,1-dichloroethane	mg/kg	**280**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	cis-1,2-dichloroethene	mg/kg	**14**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	2,2-dichloropropane	mg/kg				-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Bromochloromethane	mg/kg	**630**[#2]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Chloroform	mg/kg	**99**[#1]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,1,1-trichloroethane	mg/kg	**660**[#1]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,1-dichloropropene	mg/kg				-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Carbon tetrachloride	mg/kg	**2.9**[#1]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,2-dichloroethane	mg/kg	**0.67**[#1]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Benzene	mg/kg	**27**[#1]	*27*[#4]		-	-	<0.05	-	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.05	<0.01	-	-	<0.05
	Trichloroethene	mg/kg	**1.2**[#1]	*0.73*		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,2-dichloropropane	mg/kg	**3.3**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Dibromomethane	mg/kg	**99**[#2]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Bromodichloromethane	mg/kg	**1.3**[#2]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	cis-1,3-dichloropropene	mg/kg				-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Toluene	mg/kg	**56.000**[#1]			-	-	<0.05	-	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.05	<0.01	-	-	<0.05
	trans-1,3-dichloropropene	mg/kg				-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,1,2-trichloroethane	mg/kg	**94**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Tetrachloroethene	mg/kg	**19**[#1]	*24*		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,3-dichloropropane	mg/kg	**23.000**[#2]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Sum of PCE and TCE	mg/kg				-	-	<0.1	-	-	-	<0.02	-	-	<0.1	<0.02	<0.1	-	-	-	<0.1
	Chlorodibromomethane	mg/kg	**39**[#2]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,2-dibromoethane	mg/kg	**0.16**[#2]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Chlorobenzene	mg/kg	**56**[#1]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,1,1,2-tetrachloroethane	mg/kg	**110**[#1]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Ethylbenzene	mg/kg	**5.700**[#1]			-	-	<0.05	-	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.05	<0.01	-	-	<0.05
	Xylene (m & p)	mg/kg				-	-	<0.1	-	-	-	<0.01	-	-	<0.1	<0.01	<0.1	-	-	-	<0.1
	Xylene Total	mg/kg	**5.900**[#1]			-	-	<0.15	-	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.15	<0.01	-	-	<0.15
	Xylene (o)	mg/kg	**6.600**[#1]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Styrene	mg/kg	**3.300**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Bromoform	mg/kg	**760**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	Isopropylbenzene	mg/kg	**1.400**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,1,2,2-tetrachloroethane	mg/kg	**270**[#1]			-	-	<0.05	-	-	-	-	-	-	<0.05	-	<0.05	-	-	-	<0.05
	Bromobenzene	mg/kg	**97**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,2,3-trichloropropane	mg/kg	**0.11**[#2]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	n-propylbenzene	mg/kg	**4.100**[#3]			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05

				Location_Code	MS\BH13	MS\BH13	MS\BH13	MS\BH13	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH15	MS\BH15	MS\BH15	MS\BH15	MS\BH15	MS\BH15
				Sample_Depth_Range	3.6	10.2-10.4	11	11-11.2	0.3	1	4.2-4.4	4.5-4.8	14.2	17.5-17.7	1	2	2.7-2.9	4.4-4.6	12.45-13	17.15
				Sampled_Date_Time	25/06/2021	28/06/2021	28/06/2021	28/06/2021	28/06/2021	28/06/2021	29/06/2021	29/06/2021	01/07/2021	02/07/2021	01/07/2021	05/07/2021	02/07/2021	02/07/2021	06/07/2021	06/07/2021
Chem_Group	**ChemName**	**output unit**	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	TFD-S	LD	LD	MG	MG	MG	TFD-S	TFD-C	RMU	MG	MG	MG	MG	TFD-S	GT
	2-chlorotoluene	mg/kg	**23.000**[#2]		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,3,5-trimethylbenzene	mg/kg	**1.500**[#2]		-	-	<0.05	-	-	-	0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	4-chlorotoluene	mg/kg	**23.000**[#2]		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	tert-butylbenzene	mg/kg	**120.000**[#2]		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,2,4-trimethylbenzene	mg/kg	**42**[#3]		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	sec-butylbenzene	mg/kg	**120.000**[#2]		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	p-isopropyltoluene	mg/kg			-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,3-dichlorobenzene	mg/kg	**30**[#1]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	1,4-dichlorobenzene	mg/kg	**4.400**[#1]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	n-butylbenzene	mg/kg	**58.000**[#2]		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,2-dichlorobenzene	mg/kg	**2.000**[#1]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	1,2-dibromo-3-chloropropane	mg/kg	**0.064**[#2]		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,2,4-trichlorobenzene	mg/kg	**220**[#1]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	Hexachlorobutadiene	mg/kg	**31**[#1]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	1,2,3-trichlorobenzene	mg/kg	**102**[#1]		-	-	<0.05	-	-	-	<0.01	-	-	<0.05	<0.01	<0.05	-	-	-	<0.05
	1,2-Dichloroethene	mg/kg	**14**[#3]		-	-	<0.1	-	-	-	<0.02	-	-	<0.1	<0.02	<0.1	-	-	-	<0.1
	Trihalomethanes	mg/kg			-	-	<0.2	-	-	-	<0.04	-	-	<0.2	<0.04	<0.2	-	-	-	<0.2
	Hexachlorobenzene	mg/kg	**110**[#1]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	Trichlorobenzene (total)	mg/kg			-	-	<0.06	-	-	-	<0.02	-	-	<0.06	<0.02	<0.06	-	-	-	<0.06
PAH	Naphthalene	mg/kg	**190**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.05	<0.03	<0.03	<0.01	0.36	<0.01	<0.03	<0.03	<0.03	<0.01
	Acenaphthylene	mg/kg	**83.000**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.01	<0.03	<0.03	<0.03	<0.01
	Acenaphthene	mg/kg	**84.000**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.05	<0.03	<0.03	<0.01	0.11	<0.01	<0.03	<0.03	<0.03	<0.01
	Fluorene	mg/kg	**63.000**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.05	<0.03	<0.03	<0.01	0.05	<0.01	<0.03	0.03	<0.03	<0.01
	Phenanthrene	mg/kg	**22.000**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.44	<0.03	<0.03	<0.01	1.5	<0.01	0.04	0.1	<0.03	<0.01
	Anthracene	mg/kg	**520.000**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.08	<0.03	<0.03	<0.01	0.12	<0.01	<0.03	<0.03	<0.03	<0.01
	Fluoranthene	mg/kg	**23.000**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.73	<0.03	<0.03	<0.01	1.3	<0.01	0.04	0.03	<0.03	<0.01
	Pyrene	mg/kg	**54.000**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.55	<0.03	<0.03	<0.01	0.92	<0.01	0.06	<0.03	<0.03	<0.01
	Benz(a)anthracene	mg/kg	**170**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.21	<0.03	<0.03	<0.01	0.59	<0.01	<0.03	<0.03	<0.03	<0.01
	Chrysene	mg/kg	**350**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.29	<0.03	0.03	<0.01 - 0.03	0.65	<0.01	0.05	<0.03	<0.03	<0.01
	Benzo(a) pyrene	mg/kg	**35**[#1]	*77*[#4]	<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.11	<0.03	<0.03	<0.01	0.32	<0.01	<0.03	<0.03	<0.03	<0.01
	Indeno(1,2,3-c,d)pyrene	mg/kg	**500**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.09	<0.03	<0.03	<0.01	0.19	<0.01	<0.03	<0.03	<0.03	<0.01
	Dibenz(a,h)anthracene	mg/kg	**3.5**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.01	<0.03	<0.01	<0.03	<0.03	<0.03	<0.01
	Benzo(g,h,i)perylene	mg/kg	**3.900**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.11	<0.03	<0.03	<0.01	0.18	<0.01	<0.03	<0.03	<0.03	<0.01
	Benzo(b)fluoranthene	mg/kg	**44**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.22	<0.03	<0.03	<0.01	0.55	<0.01	<0.03	<0.03	<0.03	<0.01
	Benzo(k)fluoranthene	mg/kg	**1.200**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.11	<0.03	<0.03	<0.01	0.2	<0.01	0.04	<0.03	<0.03	<0.01
	Benzo(b)&(k)fluoranthene	mg/kg			<0.06	<0.06	<0.01	<0.06	<0.06	<0.06	0.33	<0.06	<0.06	<0.01	0.75	<0.01	0.07	<0.06	<0.06	<0.01
	PAHs (sum of 4)	mg/kg			<0.12	<0.12	<0.04	<0.12	<0.12	<0.12	0.53	<0.12	<0.12	<0.04	1.12	<0.04	0.13	<0.12	<0.12	<0.04
	PAH 16 Total	mg/kg			<0.1	<0.1	-	<0.1	<0.1	<0.1	3.1	<0.1	<0.1	<0.1	7	-	0.22	0.16	<0.1	-
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	mg/kg			<0.06	<0.06	<0.02	<0.06	<0.06	<0.06	0.2	<0.06	<0.06	<0.02	0.37	<0.02	<0.06	<0.06	<0.06	<0.02
	Benzo(a)pyrene (surrogate marker for PAH mixtu	mg/kg	**15**[#1]		<0.03	<0.03	<0.01	<0.03	<0.03	<0.03	0.11	<0.03	<0.03	<0.01	0.32	<0.01	<0.03	<0.03	<0.03	<0.01
SVOC	2,3,4,6-tetrachlorophenol	mg/kg	**25.000**[#2]		-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-
	2,3,5,6-Tetrachlorophenol	mg/kg			-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-
	2,6-dichlorophenol	mg/kg			-	-	-	-	-	-	<0.01	-	-	<0.01	<0.01	-	-	-	-	-
	Aniline	mg/kg	**400**[#2]		-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-
	2-chlorophenol	mg/kg	**5.800**[#2]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	2-methylphenol	mg/kg	**160000**[#3]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	2-nitrophenol	mg/kg			-	-	<0.01	-	-	-	-	-	-	<0.01	-	<0.01	-	-	-	<0.01
	2,4-dichlorophenol	mg/kg	**2.500**[#2]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	2,4-dimethylphenol	mg/kg	**16.000**[#3]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	2,4,5-trichlorophenol	mg/kg	**82.000**[#2]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	2,4,6-trichlorophenol	mg/kg	**210**[#2]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	4-chloro-3-methylphenol	mg/kg	**82.000**[#2]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	4-methylphenol	mg/kg	**160000**[#3]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	4-nitrophenol	mg/kg			-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	Pentachlorophenol	mg/kg	**400**[#1]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	Phenol	mg/kg	**440**[#1]		-	-	<0.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-	-	-	<0.01
	2-chloronaphthalene	mg/kg	**390**[#3]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	2-methylnaphthalene	mg/kg	**3.000**[#2]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	0.2	<0.01	-	-	-	<0.01
	Bis(2-ethylhexyl) phthalate	mg/kg	**85.000**[#3]		-	-	<0.1	-	-	-	<0.1	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1
	Butyl benzyl phthalate	mg/kg	**940.000**[#3]		-	-	<0.1	-	-	-	<0.1	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1
	Di-n-butyl phthalate	mg/kg	**15.000**[#3]		-	-	<0.1	-	-	-	<0.1	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1
	Di-n-octyl phthalate	mg/kg	**89.000**[#3]		-	-	<0.1	-	-	-	<0.1	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1
	Diethylphthalate	mg/kg	**150.000**[#3]		-	-	<0.1	-	-	-	<0.1	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1
	Dimethyl phthalate	mg/kg			-	-	<0.1	-	-	-	<0.1	-	-	<0.1	<0.1	<0.1	-	-	-	<0.1
	2-nitroaniline	mg/kg	**8.000**[#2]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01

				Location_Code	MS\BH13	MS\BH13	MS\BH13	MS\BH13	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH15	MS\BH15	MS\BH15	MS\BH15	MS\BH15	MS\BH15
				Sample_Depth_Range	3.6	10.2-10.4	11	11-11.2	0.3	1	4.2-4.4	4.5-4.8	14.2	17.5-17.7	1	2	2.7-2.9	4.4-4.6	12.45-13	17.15
				Sampled_Date_Time	25/06/2021	28/06/2021	28/06/2021	28/06/2021	28/06/2021	28/06/2021	29/06/2021	29/06/2021	01/07/2021	02/07/2021	01/07/2021	05/07/2021	02/07/2021	02/07/2021	06/07/2021	06/07/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	TFD-S	LD	LD	MG	MG	MG	TFD-S	TFD-C	RMU	MG	MG	MG	MG	TFD-S	GT
	3-nitroaniline	mg/kg			-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	4-bromophenyl phenyl ether	mg/kg			-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	4-chloroaniline	mg/kg	11 [#2]		-	-	<0.01	-	-	-	-	-	-	<0.01	-	<0.01	-	-	-	<0.01
	4-chlorophenyl phenyl ether	mg/kg			-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	4-nitroaniline	mg/kg	110 [#2]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	Azobenzene	mg/kg	26 [#2]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	Bis(2-chloroethoxy) methane	mg/kg	2.500 [#2]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	Bis(2-chloroethyl)ether	mg/kg	1 [#2]		-	-	<0.01	-	-	-	-	-	-	<0.01	-	<0.01	-	-	-	<0.01
	Carbazole	mg/kg			-	-	<0.01	-	-	-	<0.1	-	-	<0.01	0.2	<0.01	-	-	-	<0.01
	Dibenzofuran	mg/kg	1.200 [#2]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	0.3	<0.01	-	-	-	<0.01
	Hexachlorocyclopentadiene	mg/kg	7.5 [#2]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	Hexachloroethane	mg/kg	22 [#3]		-	-	<0.01	-	-	-	-	-	-	<0.01	-	<0.01	-	-	-	<0.01
	Isophorone	mg/kg	2.400 [#2]		-	-	<0.01	-	-	-	-	-	-	<0.01	-	<0.01	-	-	-	<0.01
	N-nitrosodi-n-propylamine	mg/kg	0.33 [#2]		-	-	<0.01	-	-	-	-	-	-	<0.01	-	<0.01	-	-	-	<0.01
	Benzyl alcohol	mg/kg	82.000 [#2]		-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-
	Bis(2-chloroisopropyl)ether	mg/kg			-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-
	2,6-Dimethylphenol	mg/kg	490 [#2]		-	-	-	-	-	-	<0.01	-	-	<0.01	<0.01	-	-	-	-	-
	4,6-Dinitro-2-methylphenol	mg/kg	66 [#2]		-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-
	Total Monohydric Phenols (S) Corrected	mg/kg			<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	-
	Diphenylamine	mg/kg	82.000 [#2]		-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-
PCBs	PCB congener 28 + 31	mg/kg			-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	mg/kg	0.16 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	mg/kg	0.048 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	mg/kg	0.49 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	mg/kg	0.5 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	PCB 118	mg/kg	0.49 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	mg/kg	0.49 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	mg/kg	0.00015 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	mg/kg	0.5 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	mg/kg	0.5 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	mg/kg	0.51 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	mg/kg	0.00051 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	mg/kg	0.52 [#2]		-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	PCB 52	mg/kg			-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	PCB 101	mg/kg			-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	PCB 138	mg/kg			-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	PCB 153	mg/kg			-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	PCB 180	mg/kg			-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
	Total PCB 7 Congeners	mg/kg			-	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01	-	-	-	-	-
Explosives	1,3-Dinitrobenzene	mg/kg	82 [#2]		-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-
	2,4-Dinitrotoluene	mg/kg	3.700 [#3]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	2,6-dinitrotoluene	mg/kg	1.900 [#3]		-	-	<0.01	-	-	-	<0.1	-	-	<0.01	<0.1	<0.01	-	-	-	<0.01
	Nitrobenzene	mg/kg	22 [#2]		-	-	<0.01	-	-	-	-	-	-	<0.01	-	<0.01	-	-	-	<0.01
Metals	Arsenic	mg/kg	640 [#1]	*640 [#4]*	5.8	5.5	-	7.6	5.7	10	36	9.7	7	9.2	15	-	9.3	7.3	12	-
	Beryllium	mg/kg	12 [#1]		<0.2	0.2	-	1.4	2.8	6.8	0.8	<0.2	0.9	0.9	7.1	-	0.4	5.5	0.2	-
	Cadmium	mg/kg	190 [#1]	*410 [#4]*	<0.1	<0.1	-	<0.1	0.2	0.3	4.1	<0.1	0.1	<0.1	0.5	-	0.6	<0.1	<0.1	-
	Copper	mg/kg	68.000 [#1]		4.2	5.8	-	27	16	10	210	6.9	20	32	7.3	-	57	8.2	5.5	-
	Iron	mg/kg	820.000 [#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	2.300 [#4]	*2.300 [#4]*	30	4.3	-	16	6.6	22	570	46	16	8.4	7.8	-	37	9.1	6.2	-
	Mercury	mg/kg	1100 [#1]		<0.05	<0.05	-	<0.05	<0.05	<0.05	8.4	0.09	<0.05	<0.05	<0.05	-	<0.05	0.06	<0.05	-
	Nickel	mg/kg	980 [#1]		3.1	4.9	-	49	5	6	78	5.9	39	46	18	-	25	5.6	6.1	-
	Selenium	mg/kg	12.000 [#1]		<0.5	<0.5	-	<0.5	4.7	1.9	1.5	<0.5	<0.5	<0.5	2.1	-	6.9	1.6	<0.5	-
	Vanadium	mg/kg	9.000 [#1]		14	30	-	49	1000	57	410	22	31	35	130	-	2200	41	19	-
	Zinc	mg/kg	730.000 [#1]		21	17	-	49	15	200	580	42	53	47	150	-	120	26	22	-
	Boron (Water Soluble)	mg/kg			0.3	1.2	-	9.6	2.2	2.9	2.4	0.4	2.6	2.9	9	-	1	5.8	0.7	-
	Chromium (hexavalent)	mg/kg	33 [#1]	*49 [#4]*	<1	<1	-	<1	<1	<1	<1	<1	<1	<1	<1	-	<1	<1	<1	-
	Chromium (Trivalent)	mg/kg	8.600 [#1]		5.1	13	-	41	410	17	290	7.1	29	29	38	-	800	12	6.8	-
Inorganics	Cyanide (Free)	mg/kg			<0.1	<0.1	-	<0.1	<0.1	0.1	0.2	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	-
	Cyanide Total	mg/kg	150 [#2]		<0.1	<0.1	-	<0.1	<0.1	0.2	0.2	<0.1	<0.1	<0.1	<0.1	-	0.4	<0.1	<0.1	-
	Thiocyanate	mg/kg	230 [#2]		<0.6	<0.6	-	<0.6	<0.6	0.7	1.5	<0.6	<0.6	<0.6	<0.6	-	<0.6	<0.6	<0.6	-
	Nitrate (as NO3-)	mg/kg	1.900.000 [#2]		2.5	3.1	-	7	14	6.5	8.6	6.7	9.4	2.5	1.9	-	16	5.6	1.3	-
	Sulphide	mg/kg			60	72	-	44	3800	960	240	52	24	40	560	-	150	560	120	-
	Sulphur as S	mg/kg			400	600	-	800	4200	6800	2600	700	400	7700	9000	-	4700	3800	1200	-
	Soluble Sulphate 2:1 extract as SO4 BRE	g/l			0.064	0.14	-	0.55	0.28	0.43	0.42	0.046	0.36	0.31	2.9	-	0.31	0.58	0.28	-
	Elemental Sulphur	mg/kg			19	11	-	<0.75	25	38	13	2.1	<0.75	<0.75	690	-	<0.75	32	1.7	-

					Location_Code	MS\BH13	MS\BH13	MS\BH13	MS\BH13	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH14	MS\BH15	MS\BH15	MS\BH15	MS\BH15	MS\BH15	MS\BH15
					Sample_Depth_Range	3.6	10.2-10.4	11	11-11.2	0.3	1	4.2-4.4	4.5-4.8	14.2	17.5-17.7	1	2	2.7-2.9	4.4-4.6	12.45-13	17.15
					Sampled_Date_Time	25/06/2021	28/06/2021	28/06/2021	28/06/2021	28/06/2021	28/06/2021	29/06/2021	29/06/2021	01/07/2021	02/07/2021	01/07/2021	05/07/2021	02/07/2021	02/07/2021	06/07/2021	06/07/2021
Chem_Group	**ChemName**	**output unit**	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		MG	TFD-S	LD	LD	MG	MG	MG	TFD-S	TFD-C	RMU	MG	MG	MG	MG	TFD-S	GT
Other	Organic Matter	%				0.8	0.8	-	2	0.8	1	2.4	0.6	1.9	1	1.9	-	1.1	1	0.8	-
	Moisture	%				18	18	-	20	6	11	24	18	16	10	3.9	-	18	9	16	-
	TOC	%				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Quantification - Total - %	%				-	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-
	Asbestos Identification	None				-	-	-	-	-	-	1	-	-	-	0	-	-	-	-	-
Field	pH	pH Units	**11.5**			10.4	10.9	-	8.1	**11.7**	11	10.6	8.5	8.4	8.9	10.6	-	**11.6**	10.9	8.1	-
MISC	1,2-Dinitrobenzene	mg/kg	**82**[#2]			-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-
	1,4-dinitrobenzene	mg/kg	**82**[#2]			-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-
	Decane	mg/kg				-	-	-	-	-	-	0.6845	-	-	-	-	-	-	-	-	-
	Natural Moisture Content	%				-	-	25.9	-	-	-	-	-	-	13.1	-	27.8	-	-	-	19.1
	3/4-Methylphenol (m/p-cresol)	mg/kg				-	-	-	-	-	-	<0.1	-	-	-	<0.1	-	-	-	-	-

Env Stds Comments
#1:LQM/CIEH S4ULs 2015
#2:USEPA RSL (May 2020)
#3:EIC/AGS/CL:AIRE
#4:Defra C4SL 12/2014

C4SL 2021 - Vinyl chloride, tetrachloroethene, trichloroethene
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

1,2-Dichloroethene - cis 1,2-dichloroethene used
2-methylphenol - cresol total used
4-methylphenol -cresol total used
pH - Hazardous Waste Value - corrosive

XXX	Exceedance of HH Soil. Commercial/Industrial. Sandy Loam. TOC>=0.58 to <1.45%
XXX	Exceedance of HH Soil. C4SL Commercial (England, Ireland, Northern Ireland, Wales. TOC>=0.58 to <3.48 &>0.58 to <1.45%

MG - Made Ground
TFD-S - Tidal Flat Deposits - Sand
TFD-C - Tidal F;at Deposits - Clay
GT - Glacial Till
RMU - Redcar Mudstone Formation

					Location_Code	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\TP01
					Sample_Depth_Range	0.5	3.3-3.5	4.2-4.4	5	5-5.2	5.7-5.9	13.4	1-1.2	3	3.9	5	6	7.2	14.2	18.7-18.9	0.5
					Sampled_Date_Time	01/07/2021	02/07/2021	02/07/2021	05/07/2021	02/07/2021	02/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	08/07/2021	16/06/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		MG	MG	MG	MG	MG	TFD-S	LD	MG	MG	MG	MG	MG	TFD-S	TFD-C	RMU	MG
TPH	EPH >C10-C40	mg/kg				110	470	<10	-	<10	<10	-	-	-	-	-	-	-	-	-	<10
	>C5-C6 Aliphatics	mg/kg	**3.200**[#1]			<0.01	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	>C6-C8 Aliphatics	mg/kg	**7.800**[#1]			<0.01	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	>C8-C10 Aliphatics	mg/kg	**2.000**[#1]			<0.01	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	>C10-C12 Aliphatics	mg/kg	**9.700**[#1]			<1.5	<1.5	<1.5	-	<1.5	-	-	-	-	-	-	-	-	-	-	-
	>C12-C16 Aliphatics	mg/kg	**59.000**[#1]			<1.2	<1.2	<1.2	-	<1.2	-	-	-	-	-	-	-	-	-	-	-
	>C16-C21 Aliphatics	mg/kg				1.8	<1.5	<1.5	-	<1.5	-	-	-	-	-	-	-	-	-	-	-
	>C16-C35 Aliphatics	mg/kg	**1.600.000**[#1]			43.8	<4.9	<4.9	-	<4.9	-	-	-	-	-	-	-	-	-	-	-
	>C21-C35 Aliphatics	mg/kg				42	<3.4	<3.4	-	<3.4	-	-	-	-	-	-	-	-	-	-	-
	>C5-C35 Aliphatics	mg/kg				45	<10	<10	-	<10	-	-	-	-	-	-	-	-	-	-	-
	>EC5-EC7 Aromatics	mg/kg	**26.000**[#1]			<0.01	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	>EC7-EC8 Aromatics	mg/kg	**56.000**[#1]			<0.01	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	>EC8-EC10 Aromatics	mg/kg	**3.500**[#1]			<0.01	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	>EC10-EC12 Aromatics	mg/kg	**16.000**[#1]			2.4	<0.9	<0.9	-	<0.9	-	-	-	-	-	-	-	-	-	-	-
	>EC12-EC16 Aromatics	mg/kg	**36.000**[#1]			0.8	<0.5	<0.5	-	<0.5	-	-	-	-	-	-	-	-	-	-	-
	>EC16-EC21 Aromatics	mg/kg	**28.000**[#1]			2.1	<0.6	<0.6	-	<0.6	-	-	-	-	-	-	-	-	-	-	-
	>EC21-EC35 Aromatics	mg/kg	**28.000**[#1]			33	<1.4	<1.4	-	<1.4	-	-	-	-	-	-	-	-	-	-	-
	>EC5-EC35 Aromatics	mg/kg				39	<10	<10	-	<10	-	-	-	-	-	-	-	-	-	-	-
	>C5-C35 Aliphatics & Aromatics	mg/kg				83	<10	<10	-	<10	-	-	-	-	-	-	-	-	-	-	-
VOC	Dichlorodifluoromethane	mg/kg	**370**[#2]			-	-	-	<0.05	-	-	-	-	-	-	-	-	-	<0.05	-	-
	MTBE	mg/kg	**7.900**[#3]			<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Chloromethane	mg/kg	**1**[#3]			-	-	-	0.856	-	-	-	-	-	-	-	-	-	0.269	-	-
	Vinyl chloride	mg/kg	**0.059**[#1]	*1.1*		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Bromomethane	mg/kg	**30**[#2]			-	-	-	<0.05	-	-	-	-	-	-	-	-	-	<0.05	-	-
	Chloroethane	mg/kg	**960**[#3]			-	-	-	<0.05	-	-	-	-	-	-	-	-	-	<0.05	-	-
	Trichlorofluoromethane	mg/kg	**350.000**[#2]			-	-	-	<0.05	-	-	-	-	-	-	-	-	-	<0.05	-	-
	1,1-dichloroethene	mg/kg	**26**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Dichloromethane	mg/kg	**270**[#3]			-	-	-	<0.05	-	-	-	-	-	-	-	-	-	<0.05	-	-
	trans-1,2-dichloroethene	mg/kg	**22**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,1-dichloroethane	mg/kg	**280**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	cis-1,2-dichloroethene	mg/kg	**14**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	2,2-dichloropropane	mg/kg				-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Bromochloromethane	mg/kg	**630**[#2]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Chloroform	mg/kg	**99**[#1]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,1,1-trichloroethane	mg/kg	**660**[#1]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,1-dichloropropene	mg/kg				-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Carbon tetrachloride	mg/kg	**2.9**[#1]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,2-dichloroethane	mg/kg	**0.67**[#1]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Benzene	mg/kg	**27**[#1]	*27*[#4]		<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Trichloroethene	mg/kg	**1.2**[#1]	*0.73*		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,2-dichloropropane	mg/kg	**3.3**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Dibromomethane	mg/kg	**99**[#2]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Bromodichloromethane	mg/kg	**1.3**[#2]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	cis-1,3-dichloropropene	mg/kg				-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Toluene	mg/kg	**56.000**[#1]			<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	trans-1,3-dichloropropene	mg/kg				-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,1,2-trichloroethane	mg/kg	**94**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Tetrachloroethene	mg/kg	**19**[#1]	*24*		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,3-dichloropropane	mg/kg	**23.000**[#2]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Sum of PCE and TCE	mg/kg				-	<0.02	-	<0.1	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	<0.1	<0.02	-
	Chlorodibromomethane	mg/kg	**39**[#2]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,2-dibromoethane	mg/kg	**0.16**[#2]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Chlorobenzene	mg/kg	**56**[#1]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,1,1,2-tetrachloroethane	mg/kg	**110**[#1]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Ethylbenzene	mg/kg	**5.700**[#1]			<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Xylene (m & p)	mg/kg				-	<0.01	-	<0.1	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.1	<0.01	-
	Xylene Total	mg/kg	**5.900**[#1]			<0.01	<0.01	<0.01	<0.15	<0.01	-	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	<0.15	<0.02	-
	Xylene (o)	mg/kg	**6.600**[#1]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Styrene	mg/kg	**3.300**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Bromoform	mg/kg	**760**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	Isopropylbenzene	mg/kg	**1.400**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,1,2,2-tetrachloroethane	mg/kg	**270**[#1]			-	-	-	<0.05	-	-	-	-	-	-	-	-	-	<0.05	-	-
	Bromobenzene	mg/kg	**97**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,2,3-trichloropropane	mg/kg	**0.11**[#2]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	n-propylbenzene	mg/kg	**4.100**[#3]			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-

				Location_Code	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\TP01
				Sample_Depth_Range	0.5	3.3-3.5	4.2-4.4	5	5-5.2	5.7-5.9	13.4	1-1.2	3	3.9	5	6	7.2	14.2	18.7-18.9	0.5
				Sampled_Date_Time	01/07/2021	02/07/2021	02/07/2021	05/07/2021	02/07/2021	02/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	08/07/2021	16/06/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	MG	MG	TFD-S	LD	MG	MG	MG	MG	MG	TFD-S	TFD-C	RMU	MG
	2-chlorotoluene	mg/kg	23.000[#2]		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,3,5-trimethylbenzene	mg/kg	1.500[#2]		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	4-chlorotoluene	mg/kg	23.000[#2]		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	tert-butylbenzene	mg/kg	120.000[#2]		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,2,4-trimethylbenzene	mg/kg	42[#3]		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	sec-butylbenzene	mg/kg	120.000[#2]		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	p-isopropyltoluene	mg/kg			-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,3-dichlorobenzene	mg/kg	30[#1]		-	<0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.01	<0.01	-
	1,4-dichlorobenzene	mg/kg	4.400[#1]		-	<0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.01	<0.01	-
	n-butylbenzene	mg/kg	58.000[#2]		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,2-dichlorobenzene	mg/kg	2.000[#1]		-	<0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.01	<0.01	-
	1,2-dibromo-3-chloropropane	mg/kg	0.064[#2]		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,2,4-trichlorobenzene	mg/kg	220[#1]		-	<0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.01	<0.01	-
	Hexachlorobutadiene	mg/kg	31[#1]		-	<0.01	-	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.01	<0.01	-
	1,2,3-trichlorobenzene	mg/kg	102[#1]		-	<0.01	-	<0.05	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	<0.05	<0.01	-
	1,2-Dichloroethene	mg/kg	14[#3]		-	<0.02	-	<0.1	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	<0.1	<0.02	-
	Trihalomethanes	mg/kg			-	<0.04	-	<0.2	-	-	<0.04	<0.04	<0.04	<0.04	<0.04	-	-	<0.2	<0.04	-
	Hexachlorobenzene	mg/kg	110[#1]		-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	Trichlorobenzene (total)	mg/kg			-	<0.02	-	<0.06	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	-	-	<0.06	<0.02	-
PAH	Naphthalene	mg/kg	190[#1]		0.07	0.11	1.8	<0.01	0.33	<0.03	<0.01	<0.01	<0.01	0.19	<0.01	-	-	<0.01	<0.01	<0.03
	Acenaphthylene	mg/kg	83.000[#1]		<0.03	<0.03	0.14	<0.01	<0.03	<0.03	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	<0.03
	Acenaphthene	mg/kg	84.000[#1]		<0.03	<0.03	0.34	<0.01	<0.03	<0.03	<0.1	<0.1	<0.1	0.2	<0.1	-	-	<0.01	<0.1	<0.03
	Fluorene	mg/kg	63.000[#1]		<0.03	<0.03	0.58	<0.01	<0.03	<0.03	<0.1	<0.1	<0.1	0.2	<0.1	-	-	<0.01	<0.1	<0.03
	Phenanthrene	mg/kg	22.000[#1]		0.2	0.09	3.8	0.03	0.04	<0.03	<0.1	<0.1	0.1	1.6	0.3	-	-	<0.01	<0.1	<0.03
	Anthracene	mg/kg	520.000[#1]		0.05	<0.03	0.35	<0.01	<0.03	<0.03	<0.1	<0.1	<0.1	0.4	0.1	-	-	<0.01	<0.1	<0.03
	Fluoranthene	mg/kg	23.000[#1]		0.28	0.12	1.1	0.034	<0.03	<0.03	<0.1	0.1	0.1	1.8	0.5	-	-	<0.01	<0.1	<0.03
	Pyrene	mg/kg	54.000[#1]		0.24	0.09	0.68	0.029	<0.03	<0.03	<0.1	0.1	<0.1	1.8	0.4	-	-	<0.01	<0.1	<0.03
	Benz(a)anthracene	mg/kg	170[#1]		0.14	0.04	0.13	0.044	<0.03	<0.03	<0.1	0.1	<0.1	0.9	0.3	-	-	<0.01	<0.1	<0.03
	Chrysene	mg/kg	350[#1]		0.16	0.06	0.15	0.018	0.04	<0.03	<0.1	0.1	<0.1	0.9	0.3	-	-	<0.01	<0.1	<0.03
	Benzo(a) pyrene	mg/kg	35[#1]	77[#4]	0.14	<0.03	0.06	0.016	<0.03	<0.03	<0.1	<0.1	<0.1	0.7	0.3	-	-	<0.01	<0.1	<0.03
	Indeno(1,2,3-c,d)pyrene	mg/kg	500[#1]		0.13	<0.03	<0.03	<0.01	<0.03	<0.03	<0.1	<0.1	<0.1	0.3	0.1	-	-	<0.01	<0.1	<0.03
	Dibenz(a,h)anthracene	mg/kg	3.5[#1]		0.04	<0.03	<0.03	<0.01	<0.03	<0.03	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	<0.03
	Benzo(g,h,i)perylene	mg/kg	3.900[#1]		0.17	<0.03	<0.03	0.015	<0.03	<0.03	<0.1	<0.1	<0.1	0.3	0.2	-	-	<0.01	<0.1	<0.03
	Benzo(b)fluoranthene	mg/kg	44[#1]		0.33	0.05	0.12	0.024	<0.03	<0.03	<0.1	<0.1	<0.1	0.7	0.2	-	-	<0.01	<0.1	0.03
	Benzo(k)fluoranthene	mg/kg	1.200[#1]		0.1	<0.03	0.04	<0.01	<0.03	<0.03	<0.1	<0.1	<0.1	0.5	0.2	-	-	<0.01	<0.1	<0.03
	Benzo(b)&(k)fluoranthene	mg/kg			0.43	0.08	0.16	0.033	<0.06	<0.06	<0.2	<0.2	<0.2	1.2	0.4	-	-	<0.01	<0.2	0.06
	PAHs (sum of 4)	mg/kg			0.73	0.14	0.22	0.059	<0.12	<0.12	<0.4	<0.4	<0.4	1.8	0.7	-	-	<0.04	<0.4	0.12
	PAH 16 Total	mg/kg			2.1	0.56	9.3	-	0.33	<0.1	-	-	-	-	-	-	-	-	-	<0.1
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	mg/kg			0.3	<0.06	<0.06	0.025	<0.06	<0.06	<0.2	<0.2	<0.2	0.6	0.3	-	-	<0.02	<0.2	<0.06
	Benzo(a)pyrene (surrogate marker for PAH mixtu	mg/kg	15[#1]		0.14	<0.03	0.06	0.016	<0.03	<0.03	<0.1	<0.1	<0.1	0.7	0.3	-	-	<0.01	<0.1	<0.03
SVOC	2,3,4,6-tetrachlorophenol	mg/kg	25.000[#2]		-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-
	2,3,5,6-Tetrachlorophenol	mg/kg			-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-
	2,6-dichlorophenol	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Aniline	mg/kg	400[#2]		-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-
	2-chlorophenol	mg/kg	5.800[#2]		-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	2-methylphenol	mg/kg	160000[#3]		-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	2-nitrophenol	mg/kg			-	-	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-
	2,4-dichlorophenol	mg/kg	2.500[#2]		-	<0.01	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	2,4-dimethylphenol	mg/kg	16.000[#3]		-	<0.01	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	2,4,5-trichlorophenol	mg/kg	82.000[#2]		-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	2,4,6-trichlorophenol	mg/kg	210[#2]		-	<0.01	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	4-chloro-3-methylphenol	mg/kg	82.000[#2]		-	<0.01	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	4-methylphenol	mg/kg	160000[#3]		-	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-
	4-nitrophenol	mg/kg			-	<0.1	-	<0.01	-	-	<0.1	0.2	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	Pentachlorophenol	mg/kg	400[#1]		-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	Phenol	mg/kg	440[#1]		-	<0.01	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	2-chloronaphthalene	mg/kg	390[#3]		-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	2-methylnaphthalene	mg/kg	3.000[#2]		-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	0.2	<0.1	-	-	<0.01	<0.1	-
	Bis(2-ethylhexyl) phthalate	mg/kg	85.000[#3]		-	<0.1	-	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	-
	Butyl benzyl phthalate	mg/kg	940.000[#3]		-	<0.1	-	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	-
	Di-n-butyl phthalate	mg/kg	15.000[#3]		-	<0.1	-	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	-
	Di-n-octyl phthalate	mg/kg	89.000[#3]		-	<0.1	-	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	-
	Diethylphthalate	mg/kg	150.000[#3]		-	<0.1	-	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	-
	Dimethyl phthalate	mg/kg			-	<0.1	-	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.1	<0.1	-
	2-nitroaniline	mg/kg	8.000[#2]		-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-

					Location_Code	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\TP01
					Sample_Depth_Range	0.5	3.3-3.5	4.2-4.4	5	5-5.2	5.7-5.9	13.4	1-1.2	3	3.9	5	6	7.2	14.2	18.7-18.9	0.5
					Sampled_Date_Time	01/07/2021	02/07/2021	02/07/2021	05/07/2021	02/07/2021	02/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	08/07/2021	16/06/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		MG	MG	MG	MG	MG	TFD-S	LD	MG	MG	MG	MG	MG	TFD-S	TFD-C	RMU	MG
	3-nitroaniline	mg/kg				-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	4-bromophenyl phenyl ether	mg/kg				-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	4-chloroaniline	mg/kg	11 [#2]			-	-	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-
	4-chlorophenyl phenyl ether	mg/kg				-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	4-nitroaniline	mg/kg	110 [#2]			-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	Azobenzene	mg/kg	26 [#2]			-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	Bis(2-chloroethoxy) methane	mg/kg	2.500 [#2]			-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	Bis(2-chloroethyl)ether	mg/kg	1 [#2]			-	-	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-
	Carbazole	mg/kg				-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	0.2	<0.1	-	-	<0.01	<0.1	-
	Dibenzofuran	mg/kg	1.200 [#2]			-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	0.2	<0.1	-	-	<0.01	<0.1	-
	Hexachlorocyclopentadiene	mg/kg	7.5 [#2]			-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	Hexachloroethane	mg/kg	22 [#3]			-	-	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-
	Isophorone	mg/kg	2.400 [#2]			-	-	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-
	N-nitrosodi-n-propylamine	mg/kg	0.33 [#2]			-	-	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-
	Benzyl alcohol	mg/kg	82.000 [#2]			-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-
	Bis(2-chloroisopropyl)ether	mg/kg				-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-
	2,6-Dimethylphenol	mg/kg	490 [#2]			-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4,6-Dinitro-2-methylphenol	mg/kg	66 [#2]			-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-
	Total Monohydric Phenols (S) Corrected	mg/kg				<0.3	<0.3	<0.3	-	<0.3	<0.3	-	-	-	-	-	-	-	-	-	<0.3
	Diphenylamine	mg/kg	82.000 [#2]			-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-
PCBs	PCB congener 28 + 31	mg/kg				0.1	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	mg/kg	0.16 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	mg/kg	0.048 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	mg/kg	0.49 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	mg/kg	0.5 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	PCB 118	mg/kg	0.49 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	mg/kg	0.49 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	mg/kg	0.00015 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	mg/kg	0.5 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	mg/kg	0.5 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	mg/kg	0.51 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	mg/kg	0.00051 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	mg/kg	0.52 [#2]			<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	PCB 52	mg/kg				0.07	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	PCB 101	mg/kg				0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	PCB 138	mg/kg				<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	PCB 153	mg/kg				<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	PCB 180	mg/kg				<0.01	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	mg/kg				0.18	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
Explosives	1,3-Dinitrobenzene	mg/kg	82 [#2]			-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-
	2,4-Dinitrotoluene	mg/kg	3.700 [#3]			-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	2,6-dinitrotoluene	mg/kg	1.900 [#3]			-	<0.1	-	<0.01	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	<0.01	<0.1	-
	Nitrobenzene	mg/kg	22 [#2]			-	-	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-
Metals	Arsenic	mg/kg	640 [#1]	*640 [#4]*		6.1	11	6.1	-	10	6.3	24	-	-	17	44	35	6.6	14	-	4.4
	Beryllium	mg/kg	12 [#1]			0.7	1.3	1.3	-	1.5	<0.2	1.1	-	-	1.7	1.9	0.8	<0.2	0.6	-	4.7
	Cadmium	mg/kg	190 [#1]	*410 [#4]*		0.7	0.3	0.2	-	0.2	<0.1	0.5	-	-	2	3.6	3.7	<0.1	0.4	-	<0.1
	Copper	mg/kg	68.000 [#1]			52	32	22	-	30	3.5	180	-	-	80	130	78	6.6	21	-	11
	Iron	mg/kg	820.000 [#2]			-	-	-	-	-	-	57,000	-	-	54,000	73,000	38,000	6200	26,000	-	-
	Lead	mg/kg	2.300 [#4]	*2.300 [#4]*		43	49	30	-	160	30	490	-	-	300	720	400	9.6	57	-	4.9
	Mercury	mg/kg	1100 [#1]			<0.05	<0.05	<0.05	-	<0.05	<0.05	0.11	-	-	0.2	0.28	0.11	<0.05	<0.05	-	<0.05
	Nickel	mg/kg	980 [#1]			24	26	28	-	41	4.8	50	-	-	19	33	30	3	21	-	3
	Selenium	mg/kg	12.000 [#1]			6.8	0.6	0.8	-	<0.5	<0.5	0.7	-	-	5.6	4.7	1.9	<0.5	0.7	-	1.8
	Vanadium	mg/kg	9.000 [#1]			860	89	71	-	50	13	49	-	-	850	1000	260	15	55	-	50
	Zinc	mg/kg	730.000 [#1]			140	140	76	-	89	23	720	-	-	790	710	1000	21	160	-	70
	Boron (Water Soluble)	mg/kg				2.9	2.6	4.8	-	2.5	0.7	5.2	-	-	2.2	3	1.6	0.4	1	-	3.8
	Chromium (hexavalent)	mg/kg	33 [#1]	*49 [#4]*		<1	<1	<1	-	<1	<1	<1	-	-	<1	<1	<1	<1	<1	-	<1
	Chromium (Trivalent)	mg/kg	8.600 [#1]			410	49	49	-	41	5.3	270	-	-	400	340	170	4.1	36	-	30
Inorganics	Cyanide (Free)	mg/kg				<0.1	<0.1	<0.1	-	<0.1	<0.1	-	-	-	-	-	-	-	-	-	0.1
	Cyanide Total	mg/kg	150 [#2]			0.6	<0.1	<0.1	-	0.2	<0.1	-	-	-	-	-	-	-	-	-	0.1
	Thiocyanate	mg/kg	230 [#2]			<0.6	<0.6	<0.6	-	<0.6	<0.6	-	-	-	-	-	-	-	-	-	2.3
	Nitrate (as NO3-)	mg/kg	1.900.000 [#2]			13	2.5	6.2	-	<1	3.2	-	-	-	-	-	-	-	-	-	6.8
	Sulphide	mg/kg				350	370	32	-	220	64	-	-	-	-	-	-	-	-	-	1100
	Sulphur as S	mg/kg				1700	4100	4100	-	5000	600	-	-	-	-	-	-	-	-	-	4400
	Soluble Sulphate 2:1 extract as SO4 BRE	g/l				0.3	1.3	0.85	-	0.59	0.17	-	-	-	-	-	-	-	-	-	0.73
	Elemental Sulphur	mg/kg				3.1	<0.75	11	-	3.9	5	-	-	-	-	-	-	-	-	-	<0.75

				Location_Code	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH16	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\BH17	MS\TP01
				Sample_Depth_Range	0.5	3.3-3.5	4.2-4.4	5	5-5.2	5.7-5.9	13.4	1-1.2	3	3.9	5	6	7.2	14.2	18.7-18.9	0.5
				Sampled_Date_Time	01/07/2021	02/07/2021	02/07/2021	05/07/2021	02/07/2021	02/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	07/07/2021	08/07/2021	16/06/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	MG	MG	TFD-S	LD	MG	MG	MG	MG	MG	TFD-S	TFD-C	RMU	MG
Other	Organic Matter	%			0.6	2.8	1.6	-	2.4	0.2	-	-	-	-	-	-	-	-	-	1.4
	Moisture	%			8	18	22	-	23	18	-	-	-	-	-	-	-	-	-	8.1
	TOC	%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos	Asbestos Quantification - Total - %	%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asbestos Identification	None			0	0	-	-	0	-	-	-	-	-	-	-	-	-	-	0
Field	pH	pH Units	**11.5**		11.3	9.7	10.3	-	9.3	8.9	-	-	-	-	-	-	-	-	-	11.3
MISC	1,2-Dinitrobenzene	mg/kg	**82**[#2]		-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-
	1,4-dinitrobenzene	mg/kg	**82**[#2]		-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-
	Decane	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Natural Moisture Content	%			-	-	-	25.1	-	-	-	-	-	-	-	-	-	31.3	-	-
	3/4-Methylphenol (m/p-cresol)	mg/kg			-	<0.1	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	<0.1	-

Env Stds Comments
#1:LQM/CIEH S4ULs 2015
#2:USEPA RSL (May 2020)
#3:EIC/AGS/CL:AIRE
#4:Defra C4SL 12/2014

C4SL 2021 - Vinyl chloride, tetrachloroethene, trichloroethene
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

1,2-Dichloroethene - cis 1,2-dichloroethene used
2-methylphenol - cresol total used
4-methylphenol -cresol total used
pH - Hazardous Waste Value - corrosive

XXX	Exceedance of HH Soil. Commercial/Industrial. Sandy Loam. TOC>=0.58 to <1.45%
XXX	Exceedance of HH Soil. C4SL Commercial (England, Ireland, Northern Ireland, Wales. TOC>=0.58 to <3.48 &>0.58 to <1.45%

MG - Made Ground
TFD-S - Tidal Flat Deposits - Sand
TFD-C - Tidal F;at Deposits - Clay
GT - Glacial Till
RMU - Redcar Mudstone Formation

				Location_Code	MS\TP01	MS\TP01	MS\TP03	MS\TP04	MS\TP04	MS\TP05	MS\TP05	MS\TP05	MS\TP05	MS\TP06	MS\TP06	MS\TP06	MS\TP07	MS\TP07	MS\TP07	MS\TP09
				Sample_Depth_Range	3	4	2	0.5	4	0.5	1	2	3	0.5	1.2	3.8	0.5	2	4	1
				Sampled_Date_Time	17/06/2021	17/06/2021	14/06/2021	14/06/2021	15/06/2021	17/06/2021	17/06/2021	17/06/2021	17/06/2021	15/06/2021	15/06/2021	22/06/2021	17/06/2021	18/06/2021	18/06/2021	16/06/2021
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Chem_Group	**ChemName**	**output unit**																		
TPH	EPH >C10-C40	mg/kg			38	<10	<10	<10	<10	<10	51	<10	<10	<10	21	6800	68	<10	<10	<10
	>C5-C6 Aliphatics	mg/kg	**3.200**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	>C6-C8 Aliphatics	mg/kg	**7.800**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	>C8-C10 Aliphatics	mg/kg	**2.000**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	>C10-C12 Aliphatics	mg/kg	**9.700**[#1]		-	<1.5	-	-	<1.5	-	<1.5	<1.5	-	-	<1.5	<1.5	-	<1.5	-	<1.5
	>C12-C16 Aliphatics	mg/kg	**59.000**[#1]		-	<1.2	-	-	<1.2	-	<1.2	<1.2	-	-	<1.2	250	-	<1.2	-	<1.2
	>C16-C21 Aliphatics	mg/kg			-	<1.5	-	-	<1.5	-	<1.5	<1.5	-	-	15	1000	-	<1.5	-	<1.5
	>C16-C35 Aliphatics	mg/kg	**1.600.000**[#1]		-	<4.9	-	-	<4.9	-	<4.9	<4.9	-	-	71	1160	-	<4.9	-	<4.9
	>C21-C35 Aliphatics	mg/kg			-	<3.4	-	-	<3.4	-	<3.4	<3.4	-	-	56	160	-	<3.4	-	<3.4
	>C5-C35 Aliphatics	mg/kg			-	<10	-	-	<10	-	<10	<10	-	-	72	1500	-	<10	-	<10
	>EC5-EC7 Aromatics	mg/kg	**26.000**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	>EC7-EC8 Aromatics	mg/kg	**56.000**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	>EC8-EC10 Aromatics	mg/kg	**3.500**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	>EC10-EC12 Aromatics	mg/kg	**16.000**[#1]		-	<0.9	-	-	<0.9	-	<0.9	<0.9	-	-	3.2	2.7	-	<0.9	-	<0.9
	>EC12-EC16 Aromatics	mg/kg	**36.000**[#1]		-	<0.5	-	-	<0.5	-	<0.5	<0.5	-	-	5.3	200	-	<0.5	-	<0.5
	>EC16-EC21 Aromatics	mg/kg	**28.000**[#1]		-	<0.6	-	-	<0.6	-	<0.6	<0.6	-	-	34	1100	-	<0.6	-	<0.6
	>EC21-EC35 Aromatics	mg/kg	**28.000**[#1]		-	<1.4	-	-	<1.4	-	<1.4	<1.4	-	-	98	220	-	<1.4	-	<1.4
	>EC5-EC35 Aromatics	mg/kg			-	<10	-	-	<10	-	<10	<10	-	-	140	1500	-	<10	-	<10
	>C5-C35 Aliphatics & Aromatics	mg/kg			-	<10	-	-	<10	-	<10	<10	-	-	210	3000	-	<10	-	<10
VOC	Dichlorodifluoromethane	mg/kg	**370**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MTBE	mg/kg	**7.900**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	Chloromethane	mg/kg	**1**[#3]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vinyl chloride	mg/kg	**0.059**[#1]	*1.1*	-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Bromomethane	mg/kg	**30**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloroethane	mg/kg	**960**[#3]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Trichlorofluoromethane	mg/kg	**350.000**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1,1-dichloroethene	mg/kg	**26**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Dichloromethane	mg/kg	**270**[#3]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	trans-1,2-dichloroethene	mg/kg	**22**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,1-dichloroethane	mg/kg	**280**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	cis-1,2-dichloroethene	mg/kg	**14**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	2,2-dichloropropane	mg/kg			-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Bromochloromethane	mg/kg	**630**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Chloroform	mg/kg	**99**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,1,1-trichloroethane	mg/kg	**660**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,1-dichloropropene	mg/kg			-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Carbon tetrachloride	mg/kg	**2.9**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,2-dichloroethane	mg/kg	**0.67**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Benzene	mg/kg	**27**[#1]	*27*[#4]	-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	Trichloroethene	mg/kg	**1.2**[#1]	*0.73*	-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,2-dichloropropane	mg/kg	**3.3**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Dibromomethane	mg/kg	**99**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Bromodichloromethane	mg/kg	**1.3**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	cis-1,3-dichloropropene	mg/kg			-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Toluene	mg/kg	**56.000**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	trans-1,3-dichloropropene	mg/kg			-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,1,2-trichloroethane	mg/kg	**94**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Tetrachloroethene	mg/kg	**19**[#1]	*24*	-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,3-dichloropropane	mg/kg	**23.000**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Sum of PCE and TCE	mg/kg			-	<0.02	-	-	<0.02	-	<0.02	<0.02	-	-	-	<0.02	-	<0.02	-	-
	Chlorodibromomethane	mg/kg	**39**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,2-dibromoethane	mg/kg	**0.16**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Chlorobenzene	mg/kg	**56**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,1,1,2-tetrachloroethane	mg/kg	**110**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Ethylbenzene	mg/kg	**5.700**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	Xylene (m & p)	mg/kg			-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Xylene Total	mg/kg	**5.900**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	<0.01	<0.01	-	<0.01	-	<0.01
	Xylene (o)	mg/kg	**6.600**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Styrene	mg/kg	**3.300**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Bromoform	mg/kg	**760**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Isopropylbenzene	mg/kg	**1.400**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,1,2,2-tetrachloroethane	mg/kg	**270**[#1]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bromobenzene	mg/kg	**97**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,2,3-trichloropropane	mg/kg	**0.11**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	n-propylbenzene	mg/kg	**4.100**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-

				Location_Code	MS\TP01	MS\TP01	MS\TP03	MS\TP04	MS\TP04	MS\TP05	MS\TP05	MS\TP05	MS\TP05	MS\TP06	MS\TP06	MS\TP06	MS\TP07	MS\TP07	MS\TP07	MS\TP09
				Sample_Depth_Range	3	4	2	0.5	4	0.5	1	2	3	0.5	1.2	3.8	0.5	2	4	1
				Sampled_Date_Time	17/06/2021	17/06/2021	14/06/2021	14/06/2021	15/06/2021	17/06/2021	17/06/2021	17/06/2021	17/06/2021	15/06/2021	15/06/2021	22/06/2021	17/06/2021	18/06/2021	18/06/2021	16/06/2021
Chem_Group	**ChemName**	**output unit**	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
	2-chlorotoluene	mg/kg	**23.000**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,3,5-trimethylbenzene	mg/kg	**1.500**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	4-chlorotoluene	mg/kg	**23.000**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	tert-butylbenzene	mg/kg	**120.000**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,2,4-trimethylbenzene	mg/kg	**42**[#3]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	sec-butylbenzene	mg/kg	**120.000**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	p-isopropyltoluene	mg/kg			-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,3-dichlorobenzene	mg/kg	**30**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,4-dichlorobenzene	mg/kg	**4.400**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	n-butylbenzene	mg/kg	**58.000**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,2-dichlorobenzene	mg/kg	**2.000**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,2-dibromo-3-chloropropane	mg/kg	**0.064**[#2]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,2,4-trichlorobenzene	mg/kg	**220**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	Hexachlorobutadiene	mg/kg	**31**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,2,3-trichlorobenzene	mg/kg	**102**[#1]		-	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	<0.01	-	<0.01	-	-
	1,2-Dichloroethene	mg/kg	**14**[#3]		-	<0.02	-	-	<0.02	-	<0.02	<0.02	-	-	-	<0.02	-	<0.02	-	-
	Trihalomethanes	mg/kg			-	<0.04	-	-	<0.04	-	<0.04	<0.04	-	-	-	<0.04	-	<0.04	-	-
	Hexachlorobenzene	mg/kg	**110**[#1]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Trichlorobenzene (total)	mg/kg			-	<0.02	-	-	<0.02	-	<0.02	<0.02	-	-	-	<0.02	-	<0.02	-	-
PAH	Naphthalene	mg/kg	**190**[#1]		<0.03	<0.01	<0.03	<0.03	<0.03	<0.03	<0.01	<0.01	<0.03	<0.03	0.04	<0.01	<0.03	<0.01	<0.03	<0.03
	Acenaphthylene	mg/kg	**83.000**[#1]		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.1	<0.03	<0.03	<0.03	<0.03
	Acenaphthene	mg/kg	**84.000**[#1]		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.1	<0.03	<0.03	<0.03	<0.03
	Fluorene	mg/kg	**63.000**[#1]		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.1	<0.03	<0.03	<0.03	<0.03
	Phenanthrene	mg/kg	**22.000**[#1]		1.1	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.03	0.12	0.25	<0.1 - 1.7	0.11	<0.03	<0.03	<0.03
	Anthracene	mg/kg	**520.000**[#1]		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	<0.1 - 0.65	<0.03	<0.03	<0.03	<0.03
	Fluoranthene	mg/kg	**23.000**[#1]		1.6	<0.03	0.04	<0.03	<0.03	<0.03	<0.03	<0.03 - 0.2	0.05	0.35	0.95	4.1 - 7.4	0.44	<0.03	<0.03	0.04
	Pyrene	mg/kg	**54.000**[#1]		1.4	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03 - 0.2	0.04	0.29	0.41	4.2 - 7.6	0.37	<0.03	<0.03	<0.03
	Benz(a)anthracene	mg/kg	**170**[#1]		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03 - 0.1	0.03	0.26	0.25	0.56 - 0.6	<0.03	<0.03	<0.03	<0.03
	Chrysene	mg/kg	**350**[#1]		0.24	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	<0.03 - 0.2	0.06	0.27	0.65	0.5 - 0.97	0.12	<0.03	<0.03	<0.03
	Benzo(a) pyrene	mg/kg	**35**[#1]	*77*[#4]	0.25	<0.03	<0.03	<0.03	<0.03	<0.03	<0.1 - 0.1	<0.03	<0.03	0.28	0.29	<0.3 - 0.4	0.39	<0.03	<0.03	<0.03
	Indeno(1,2,3-c,d)pyrene	mg/kg	**500**[#1]		0.16	<0.03	<0.03	<0.03	<0.03	<0.03	<0.1 - 0.06	<0.03	0.05	0.14	0.44	<0.3 - 0.2	0.21	<0.03	<0.03	<0.03
	Dibenz(a,h)anthracene	mg/kg	**3.5**[#1]		0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.04	0.1	<0.1	0.06	<0.03	<0.03	<0.03
	Benzo(g,h,i)perylene	mg/kg	**3.900**[#1]		0.17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.1 - 0.09	<0.03	0.04	0.15	0.67	<0.3 - 0.2	0.23	<0.1 - 0.04	0.03	<0.03
	Benzo(b)fluoranthene	mg/kg	**44**[#1]		0.77	<0.1 - 0.44	<0.03	<0.03	<0.03	<0.03	<0.1 - 0.51	<0.03	0.05	0.46	0.91	0.45 - 0.6	0.78	<0.1 - 0.4	0.4	0.04
	Benzo(k)fluoranthene	mg/kg	**1.200**[#1]		0.2	<0.03	<0.03	<0.03	<0.03	<0.03	<0.1 - 0.05	<0.03	<0.03	0.19	0.52	<0.3 - 0.2	0.22	<0.03	<0.03	<0.03
	Benzo(b)&(k)fluoranthene	mg/kg			0.97	0.47	<0.06	<0.06	<0.06	<0.06	0.56	<0.06	0.08	0.65	1.43	0.8	1	0.43	0.43	0.07
	PAHs (sum of 4)	mg/kg			1.3	0.53	<0.12	<0.12	<0.12	<0.12	0.71	<0.12	0.17	0.94	2.54	1.2	1.44	0.5	0.49	0.13
	PAH 16 Total	mg/kg			5.9	0.44	0.14	<0.1	<0.1	<0.1	0.81	<0.1	0.32	2.5	5.5	<14.91	2.9	0.44	0.44	<0.1
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	mg/kg			0.33	<0.06	<0.06	<0.06	<0.06	<0.06	0.15	<0.06	0.09	0.29	1.11	0.4	0.44	0.07	0.06	<0.06
	Benzo(a)pyrene (surrogate marker for PAH mixtu	mg/kg	**15**[#1]		0.25	<0.03	<0.03	<0.03	<0.03	<0.03	0.1	<0.03	<0.03	0.28	0.29	0.4	0.39	<0.03	<0.03	<0.03
SVOC	2,3,4,6-tetrachlorophenol	mg/kg	**25.000**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2,3,5,6-Tetrachlorophenol	mg/kg			-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2,6-dichlorophenol	mg/kg			-	-	-	-	<0.01	-	-	-	-	-	-	<0.01	-	-	-	-
	Aniline	mg/kg	**400**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2-chlorophenol	mg/kg	**5.800**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2-methylphenol	mg/kg	**160000**[#3]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2-nitrophenol	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2,4-dichlorophenol	mg/kg	**2.500**[#2]		-	<0.1	-	-	<0.01	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	-
	2,4-dimethylphenol	mg/kg	**16.000**[#3]		-	<0.1	-	-	<0.01	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	-
	2,4,5-trichlorophenol	mg/kg	**82.000**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2,4,6-trichlorophenol	mg/kg	**210**[#2]		-	<0.1	-	-	<0.01	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	-
	4-chloro-3-methylphenol	mg/kg	**82.000**[#2]		-	<0.1	-	-	<0.01	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	-
	4-methylphenol	mg/kg	**160000**[#3]		-	-	-	-	<0.01	-	-	-	-	-	-	<0.01	-	-	-	-
	4-nitrophenol	mg/kg			-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Pentachlorophenol	mg/kg	**400**[#1]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Phenol	mg/kg	**440**[#1]		-	<0.1	-	-	<0.01	-	<0.1	<0.1	-	-	-	<0.01	-	<0.1	-	-
	2-chloronaphthalene	mg/kg	**390**[#3]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2-methylnaphthalene	mg/kg	**3.000**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Bis(2-ethylhexyl) phthalate	mg/kg	**85.000**[#3]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Butyl benzyl phthalate	mg/kg	**940.000**[#3]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Di-n-butyl phthalate	mg/kg	**15.000**[#3]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Di-n-octyl phthalate	mg/kg	**89.000**[#3]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Diethylphthalate	mg/kg	**150.000**[#3]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Dimethyl phthalate	mg/kg			-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2-nitroaniline	mg/kg	**8.000**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-

				Location_Code	MS\TP01	MS\TP01	MS\TP03	MS\TP04	MS\TP04	MS\TP05	MS\TP05	MS\TP05	MS\TP05	MS\TP06	MS\TP06	MS\TP06	MS\TP07	MS\TP07	MS\TP07	MS\TP09
				Sample_Depth_Range	3	4	2	0.5	4	0.5	1	2	3	0.5	1.2	3.8	0.5	2	4	1
				Sampled_Date_Time	17/06/2021	17/06/2021	14/06/2021	14/06/2021	15/06/2021	17/06/2021	17/06/2021	17/06/2021	17/06/2021	15/06/2021	15/06/2021	22/06/2021	17/06/2021	18/06/2021	18/06/2021	16/06/2021
Chem_Group	**ChemName**	**output unit**	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
	3-nitroaniline	mg/kg			-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	4-bromophenyl phenyl ether	mg/kg			-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	4-chloroaniline	mg/kg	**11**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4-chlorophenyl phenyl ether	mg/kg			-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	4-nitroaniline	mg/kg	**110**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Azobenzene	mg/kg	**26**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Bis(2-chloroethoxy) methane	mg/kg	**2.500**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Bis(2-chloroethyl)ether	mg/kg	**1**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carbazole	mg/kg			-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Dibenzofuran	mg/kg	**1.200**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Hexachlorocyclopentadiene	mg/kg	**7.5**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Hexachloroethane	mg/kg	**22**[#3]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Isophorone	mg/kg	**2.400**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	N-nitrosodi-n-propylamine	mg/kg	**0.33**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benzyl alcohol	mg/kg	**82.000**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Bis(2-chloroisopropyl)ether	mg/kg			-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2,6-Dimethylphenol	mg/kg	**490**[#2]		-	-	-	-	<0.01	-	-	-	-	-	-	<0.01	-	-	-	-
	4,6-Dinitro-2-methylphenol	mg/kg	**66**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Total Monohydric Phenols (S) Corrected	mg/kg			<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
	Diphenylamine	mg/kg	**82.000**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
PCBs	PCB congener 28 + 31	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	mg/kg	**0.16**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	mg/kg	**0.048**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	mg/kg	**0.49**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	mg/kg	**0.5**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	PCB 118	mg/kg	**0.49**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	mg/kg	**0.49**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	mg/kg	**0.00015**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	mg/kg	**0.5**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	mg/kg	**0.5**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	mg/kg	**0.51**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	mg/kg	**0.00051**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	mg/kg	**0.52**[#2]		-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	PCB 52	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	PCB 101	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	PCB 138	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	PCB 153	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	PCB 180	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
	Total PCB 7 Congeners	mg/kg			-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	<0.01	-	-
Explosives	1,3-Dinitrobenzene	mg/kg	**82**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2,4-Dinitrotoluene	mg/kg	**3.700**[#3]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	2,6-dinitrotoluene	mg/kg	**1.900**[#3]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Nitrobenzene	mg/kg	**22**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals	Arsenic	mg/kg	**640**[#1]	*640*[#4]	9.6	5.5	6.4	6.1	5.5	32	42	180	28	7.4	28	18	24	7.6	13	5.3
	Beryllium	mg/kg	**12**[#1]		3.9	0.8	5.3	5.9	6.4	2.4	2.4	1.1	1.3	2.9	2.7	3.4	1.5	1	1.8	6.7
	Cadmium	mg/kg	**190**[#1]	*410*[#4]	0.4	<0.1	0.1	0.1	0.1	4.4	3.5	1.2	1.1	1.2	0.8	22	4.6	0.2	1.1	<0.1
	Copper	mg/kg	**68.000**[#1]		31	8.1	9.7	8.1	6.2	2700	92	330	53	85	100	150	60	23	49	9.3
	Iron	mg/kg	**820.000**[#2]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	**2.300**[#4]	*2.300*[#4]	46	22	12	15	1.4	630	270	200	80	21	120	1000	190	12	51	9.7
	Mercury	mg/kg	**1100**[#1]		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	0.06	<0.05	<0.05	0.11	0.33	<0.05	<0.05	<0.05	<0.05
	Nickel	mg/kg	**980**[#1]		11	3.8	2.5	3.6	2.1	68	30	27	23	86	66	57	21	5.2	15	3.3
	Selenium	mg/kg	**12.000**[#1]		4	0.5	1.6	1.3	0.6	<0.5	7.2	5.6	14	1.4	2	1	1	1.8	1.4	2
	Vanadium	mg/kg	**9.000**[#1]		280	23	45	51	17	110	1200	70	1900	620	100	160	390	2500	2100	170
	Zinc	mg/kg	**730.000**[#1]		170	37	27	76	5.5	1300	570	430	160	170	180	3700	170	70	450	13
	Boron (Water Soluble)	mg/kg			5.4	1.5	2.1	3.7	3.6	1	1.9	2.8	1.4	1.8	17	1.2	1.4	1.5	1.4	1.8
	Chromium (hexavalent)	mg/kg	**33**[#1]	*49*[#4]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Chromium (Trivalent)	mg/kg	**8.600**[#1]		130	8	8.1	16	3.8	32	210	29	260	260	49	54	110	380	350	51
Inorganics	Cyanide (Free)	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
	Cyanide Total	mg/kg	**150**[#2]		0.3	16	<0.1	0.3	0.4	0.2	0.3	<0.1	<0.1	<0.1	<0.1	2.6	0.3	<0.1	0.3	<0.1
	Thiocyanate	mg/kg	**230**[#2]		<0.6	<0.6	<0.6	<0.6	0.9	<0.6	<0.6	<0.6	0.7	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
	Nitrate (as NO3-)	mg/kg	**1.900.000**[#2]		14	5.6	4.9	8.9	9.7	11	6.5	7.9	4.5	12	7.9	-	7.6	21	10	7.2
	Sulphide	mg/kg			1100	400	14,000	2600	7000	200	720	200	920	100	260	400	440	<10	280	1200
	Sulphur as S	mg/kg			5400	1000	6000	3900	12,000	2900	2600	9600	2200	800	3700	2600	1700	3700	2600	5800
	Soluble Sulphate 2:1 extract as SO4 BRE	g/l			1.3	0.44	0.97	0.58	1.9	1.5	0.71	1.8	0.32	0.46	0.33	0.31	0.18	0.25	0.36	0.52
	Elemental Sulphur	mg/kg			0.86	6.5	7.3	11	3.7	1.7	<0.75	<0.75	<0.75	<0.75	28	40	<0.75	<0.75	<0.75	1.8

				Location_Code	MS\TP01	MS\TP01	MS\TP03	MS\TP04	MS\TP04	MS\TP05	MS\TP05	MS\TP05	MS\TP05	MS\TP06	MS\TP06	MS\TP06	MS\TP07	MS\TP07	MS\TP07	MS\TP09
				Sample_Depth_Range	3	4	2	0.5	4	0.5	1	2	3	0.5	1.2	3.8	0.5	2	4	1
				Sampled_Date_Time	17/06/2021	17/06/2021	14/06/2021	14/06/2021	15/06/2021	17/06/2021	17/06/2021	17/06/2021	17/06/2021	15/06/2021	15/06/2021	22/06/2021	17/06/2021	18/06/2021	18/06/2021	16/06/2021
Chem_Group	ChemName	output unit	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG
Other	Organic Matter	%			0.7	1.1	0.7	1.2	0.5	0.2	0.9	0.2	1.1	1.6	2.6	1.7	1.5	0.2	0.9	0.4
	Moisture	%			9.2	17	6.6	4.7	15	10	8.5	16	7	15	14	-	9.1	5.5	7.6	6.4
	TOC	%			-	-	-	-	-	-	-	-	-	-	-	0.00028	-	-	-	-
Asbestos	Asbestos Quantification - Total - %	%			-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
	Asbestos Identification	None			0	0	0	-	0	1	0	0	0	0	0	1	0	0	0	0
Field	pH	pH Units	**11.5**		10.1	10.4	10.1	9.2	10.3	9.3	10	6.4	10.5	10.1	8.5	5.6	10.2	11.4	**11.9**	10.8
MISC	1,2-Dinitrobenzene	mg/kg	**82**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	1,4-dinitrobenzene	mg/kg	**82**[#2]		-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-
	Decane	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Natural Moisture Content	%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4-Methylphenol (m/p-cresol)	mg/kg			-	<0.1	-	-	<0.1	-	<0.1	<0.1	-	-	-	<0.1	-	<0.1	-	-

Env Stds Comments
#1:LQM/CIEH S4ULs 2015
#2:USEPA RSL (May 2020)
#3:EIC/AGS/CL:AIRE
#4:Defra C4SL 12/2014

C4SL 2021 - Vinyl chloride, tetrachloroethene, trichloroethene
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health

1,2-Dichloroethene - cis 1,2-dichloroethene used
2-methylphenol - cresol total used
4-methylphenol -cresol total used
pH - Hazardous Waste Value - corrosive

XXX	Exceedance of HH Soil. Commercial/Industrial. Sandy Loam. TOC>=0.58 to <1.45%
XXX	Exceedance of HH Soil. C4SL Commercial (England, Ireland, Northern Ireland, Wales. TOC>=0.58 to <3.48 &>0.58 to <1.45%

MG - Made Ground
TFD-S - Tidal Flat Deposits - Sand
TFD-C - Tidal F;at Deposits - Clay
GT - Glacial Till
RMU - Redcar Mudstone Formation

				Location_Code	MS\TP09	MS\TP10	MS\TP10											
				Sample_Depth_Range	3	0.3	0.5											
				Sampled_Date_Time	16/06/2021	21/06/2021	21/06/2021											
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	**Statistical Summary**										
Chem_Group	**ChemName**	**output unit**						Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
TPH	EPH >C10-C40	mg/kg			<10	<10	<10	93	17	<10	7400	204	5	1085	0	0
	>C5-C6 Aliphatics	mg/kg	**3.200**[#1]		<0.01	<0.01	-	48	0	<0.01	<0.01	0.005	0.005	0	0	0
	>C6-C8 Aliphatics	mg/kg	**7.800**[#1]		<0.01	<0.01	-	48	0	<0.01	<0.01	0.005	0.005	0	0	0
	>C8-C10 Aliphatics	mg/kg	**2.000**[#1]		<0.01	<0.01	-	48	1	<0.01	0.04	0.0057	0.005	0.0051	0	0
	>C10-C12 Aliphatics	mg/kg	**9.700**[#1]		<1.5	<1.5	-	48	2	<1.5	530	12	0.75	76	0	0
	>C12-C16 Aliphatics	mg/kg	**59.000**[#1]		<1.2	<1.2	-	48	5	<1.2	520	20	0.6	85	0	0
	>C16-C21 Aliphatics	mg/kg			<1.5	<1.5	-	48	7	<1.5	1000	43	0.75	169	0	0
	>C16-C35 Aliphatics	mg/kg	**1.600.000**[#1]		<4.9	<4.9	-	48	7	<4.9	1840	125	2.45	408	0	0
	>C21-C35 Aliphatics	mg/kg			<3.4	<3.4	-	48	6	<3.4	1300	81	1.7	294	0	0
	>C5-C35 Aliphatics	mg/kg			<10	<10	-	48	6	<10	2400	161	5	526	0	0
	>EC5-EC7 Aromatics	mg/kg	**26.000**[#1]		<0.01	<0.01	-	48	0	<0.01	<0.01	0.005	0.005	0	0	0
	>EC7-EC8 Aromatics	mg/kg	**56.000**[#1]		<0.01	<0.01	-	48	0	<0.01	<0.01	0.005	0.005	0	0	0
	>EC8-EC10 Aromatics	mg/kg	**3.500**[#1]		<0.01	<0.01	-	48	1	<0.01	0.28	0.011	0.005	0.04	0	0
	>EC10-EC12 Aromatics	mg/kg	**16.000**[#1]		<0.9	<0.9	-	48	5	<0.9	4.1	0.72	0.45	0.82	0	0
	>EC12-EC16 Aromatics	mg/kg	**36.000**[#1]		<0.5	<0.5	-	48	6	<0.5	200	7.8	0.25	36	0	0
	>EC16-EC21 Aromatics	mg/kg	**28.000**[#1]		<0.6	<0.6	-	48	7	<0.6	1100	43	0.3	198	0	0
	>EC21-EC35 Aromatics	mg/kg	**28.000**[#1]		<1.4	<1.4	-	48	7	<1.4	2500	80	0.7	380	0	0
	>EC5-EC35 Aromatics	mg/kg			<10	<10	-	48	7	<10	3500	134	5	556	0	0
	>C5-C35 Aliphatics & Aromatics	mg/kg			<10	<10	-	48	8	<10	5500	289	5	998	0	0
VOC	Dichlorodifluoromethane	mg/kg	**370**[#2]		-	-	-	12	0	<0.05	<0.05	0.025	0.025	0	0	0
	MTBE	mg/kg	**7.900**[#3]		<0.01	<0.01	-	67	0	<0.01	<0.05	0.008	0.005	0.0072	0	0
	Chloromethane	mg/kg	**1**[#3]		-	-	-	12	6	<0.05	0.856	0.15	0.072	0.24	0	0
	Vinyl chloride	mg/kg	**0.059**[#1]	*1.1*	<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Bromomethane	mg/kg	**30**[#2]		-	-	-	12	0	<0.05	<0.05	0.025	0.025	0	0	0
	Chloroethane	mg/kg	**960**[#3]		-	-	-	12	0	<0.05	<0.05	0.025	0.025	0	0	0
	Trichlorofluoromethane	mg/kg	**350.000**[#2]		-	-	-	12	0	<0.05	<0.05	0.025	0.025	0	0	0
	1,1-dichloroethene	mg/kg	**26**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Dichloromethane	mg/kg	**270**[#3]		-	-	-	12	0	<0.05	<0.05	0.025	0.025	0	0	0
	trans-1,2-dichloroethene	mg/kg	**22**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,1-dichloroethane	mg/kg	**280**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	cis-1,2-dichloroethene	mg/kg	**14**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	2,2-dichloropropane	mg/kg			<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Bromochloromethane	mg/kg	**630**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Chloroform	mg/kg	**99**[#1]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,1,1-trichloroethane	mg/kg	**660**[#1]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,1-dichloropropene	mg/kg			<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Carbon tetrachloride	mg/kg	**2.9**[#1]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,2-dichloroethane	mg/kg	**0.67**[#1]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Benzene	mg/kg	**27**[#1]	*27*[#4]	<0.01	<0.01	-	67	0	<0.01	<0.05	0.008	0.005	0.0072	0	0
	Trichloroethene	mg/kg	**1.2**[#1]	*0.73*	<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,2-dichloropropane	mg/kg	**3.3**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Dibromomethane	mg/kg	**99**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Bromodichloromethane	mg/kg	**1.3**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	cis-1,3-dichloropropene	mg/kg			<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Toluene	mg/kg	**56.000**[#1]		<0.01	<0.01	-	67	0	<0.01	<0.05	0.008	0.005	0.0072	0	0
	trans-1,3-dichloropropene	mg/kg			<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,1,2-trichloroethane	mg/kg	**94**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Tetrachloroethene	mg/kg	**19**[#1]	*24*	<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,3-dichloropropane	mg/kg	**23.000**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Sum of PCE and TCE	mg/kg			<0.02	-	-	49	0	<0.02	<0.1	0.019	0.01	0.017	0	0
	Chlorodibromomethane	mg/kg	**39**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,2-dibromoethane	mg/kg	**0.16**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Chlorobenzene	mg/kg	**56**[#1]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,1,1,2-tetrachloroethane	mg/kg	**110**[#1]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Ethylbenzene	mg/kg	**5.700**[#1]		<0.01	<0.01	-	67	0	<0.01	<0.05	0.008	0.005	0.0072	0	0
	Xylene (m & p)	mg/kg			<0.01	-	-	49	0	<0.01	<0.1	0.015	0.005	0.019	0	0
	Xylene Total	mg/kg	**5.900**[#1]		<0.01	<0.01	-	67	0	<0.01	<0.15	0.016	0.005	0.025	0	0
	Xylene (o)	mg/kg	**6.600**[#1]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Styrene	mg/kg	**3.300**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Bromoform	mg/kg	**760**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	Isopropylbenzene	mg/kg	**1.400**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,1,2,2-tetrachloroethane	mg/kg	**270**[#1]		-	-	-	12	0	<0.05	<0.05	0.025	0.025	0	0	0
	Bromobenzene	mg/kg	**97**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0
	1,2,3-trichloropropane	mg/kg	**0.11**[#2]		<0.01	-	-	49	3	<0.01	<0.05	0.011	0.005	0.01	0	0
	n-propylbenzene	mg/kg	**4.100**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0

				Location_Code	MS\TP09	MS\TP10	MS\TP10												
				Sample_Depth_Range	3	0.3	0.5												
				Sampled_Date_Time	16/06/2021	21/06/2021	21/06/2021	**Statistical Summary**											
Chem_Group	**ChemName**	**output unit**	Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)			
	2-chlorotoluene	mg/kg	**23.000**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0			
	1,3,5-trimethylbenzene	mg/kg	**1.500**[#2]		<0.01	-	-	49	1	<0.01	<0.05	0.0096	0.005	0.0084	0	0			
	4-chlorotoluene	mg/kg	**23.000**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0			
	tert-butylbenzene	mg/kg	**120.000**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0			
	1,2,4-trimethylbenzene	mg/kg	**42**[#3]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0			
	sec-butylbenzene	mg/kg	**120.000**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0			
	p-isopropyltoluene	mg/kg			<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0			
	1,3-dichlorobenzene	mg/kg	**30**[#1]		<0.01	-	-	49	0	<0.01	<0.01	0.005	0.005	0	0	0			
	1,4-dichlorobenzene	mg/kg	**4.400**[#1]		<0.01	-	-	49	0	<0.01	<0.01	0.005	0.005	0	0	0			
	n-butylbenzene	mg/kg	**58.000**[#2]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0			
	1,2-dichlorobenzene	mg/kg	**2.000**[#1]		<0.01	-	-	49	0	<0.01	<0.01	0.005	0.005	0	0	0			
	1,2-dibromo-3-chloropropane	mg/kg	**0.064**[#2]		<0.01	-	-	49	1	<0.01	<0.05	0.0096	0.005	0.0084	0	0			
	1,2,4-trichlorobenzene	mg/kg	**220**[#1]		<0.01	-	-	49	0	<0.01	<0.01	0.005	0.005	0	0	0			
	Hexachlorobutadiene	mg/kg	**31**[#1]		<0.01	-	-	49	0	<0.01	<0.01	0.005	0.005	0	0	0			
	1,2,3-trichlorobenzene	mg/kg	**102**[#1]		<0.01	-	-	49	0	<0.01	<0.05	0.0095	0.005	0.0084	0	0			
	1,2-Dichloroethene	mg/kg	**14**[#3]		<0.02	-	-	49	0	<0.02	<0.1	0.019	0.01	0.017	0	0			
	Trihalomethanes	mg/kg			<0.04	-	-	49	0	<0.04	<0.2	0.038	0.02	0.034	0	0			
	Hexachlorobenzene	mg/kg	**110**[#1]		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0			
	Trichlorobenzene (total)	mg/kg			<0.02	-	-	49	0	<0.02	<0.06	0.014	0.01	0.0084	0	0			
PAH	Naphthalene	mg/kg	**190**[#1]		<0.03	<0.03	<0.03	111	21	<0.01	1.8	0.049	0.015	0.19	0	0			
	Acenaphthylene	mg/kg	**83.000**[#1]		0.06	<0.03	<0.03	111	7	<0.01	0.14	0.022	0.015	0.023	0	0			
	Acenaphthene	mg/kg	**84.000**[#1]		<0.03	<0.03	<0.03	111	8	<0.01	2.2	0.042	0.015	0.21	0	0			
	Fluorene	mg/kg	**63.000**[#1]		0.1	<0.03	<0.03	111	12	<0.01	1.7	0.043	0.015	0.17	0	0			
	Phenanthrene	mg/kg	**22.000**[#1]		0.49	<0.03	<0.03	111	45	<0.01	11	0.24	0.015	1.1	0	0			
	Anthracene	mg/kg	**520.000**[#1]		0.14	<0.03	<0.03	111	19	<0.01	3.1	0.061	0.015	0.3	0	0			
	Fluoranthene	mg/kg	**23.000**[#1]		0.62	<0.03	0.03	111	48	<0.01	14	0.33	0.015	1.5	0	0			
	Pyrene	mg/kg	**54.000**[#1]		0.45	<0.03	<0.03	111	44	<0.01	12	0.29	0.015	1.3	0	0			
	Benz(a)anthracene	mg/kg	**170**[#1]		0.14	<0.03	<0.03	111	40	<0.01	5.7	0.13	0.015	0.55	0	0			
	Chrysene	mg/kg	**350**[#1]		0.13	<0.03	<0.03	111	43	<0.01	4.5	0.12	0.015	0.45	0	0			
	Benzo(a) pyrene	mg/kg	**35**[#1]	*77*[#4]	0.07	<0.03	<0.03	111	27	<0.01	4.5	0.11	0.015	0.44	0	0			
	Indeno(1,2,3-c,d)pyrene	mg/kg	**500**[#1]		0.03	<0.03	<0.03	111	26	<0.01	2.3	0.066	0.015	0.23	0	0			
	Dibenz(a,h)anthracene	mg/kg	**3.5**[#1]		<0.03	<0.03	<0.03	111	12	<0.01	0.75	0.027	0.015	0.071	0	0			
	Benzo(g,h,i)perylene	mg/kg	**3.900**[#1]		0.05	<0.03	<0.03	111	34	<0.01	2.7	0.079	0.015	0.27	0	0			
	Benzo(b)fluoranthene	mg/kg	**44**[#1]		0.15	<0.03	<0.03	111	44	<0.01	6.2	0.18	0.015	0.61	0	0			
	Benzo(k)fluoranthene	mg/kg	**1.200**[#1]		0.05	<0.03	<0.03	111	27	<0.01	2.2	0.07	0.015	0.22	0	0			
	Benzo(b)&(k)fluoranthene	mg/kg			0.2	<0.06	<0.06	111	45	<0.01	8.4	0.26	0.03	0.84	0	0			
	PAHs (sum of 4)	mg/kg			0.28	<0.12	<0.12	111	45	<0.04	13.4	0.41	0.06	1.3	0	0			
	PAH 16 Total	mg/kg			2.5	<0.1	<0.1	93	44	<0.1	74	1.8	0.05	7.8	0	0			
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	mg/kg			0.08	<0.06	<0.06	111	35	<0.02	5	0.15	0.03	0.49	0	0			
	Benzo(a)pyrene (surrogate marker for PAH mixtu	mg/kg	**15**[#1]		0.07	<0.03	<0.03	111	27	<0.01	4.5	0.11	0.015	0.44	0	0			
SVOC	2,3,4,6-tetrachlorophenol	mg/kg	**25.000**[#2]		<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0			
	2,3,5,6-Tetrachlorophenol	mg/kg			<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0			
	2,6-dichlorophenol	mg/kg			<0.01	<0.01	-	25	0	<0.01	<0.01	0.005	0.005	0	0	0			
	Aniline	mg/kg	**400**[#2]		<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0			
	2-chlorophenol	mg/kg	**5.800**[#2]		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0			
	2-methylphenol	mg/kg	**160000**[#3]		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0			
	2-nitrophenol	mg/kg			-	-	-	12	0	<0.01	<0.01	0.005	0.005	0	0	0			
	2,4-dichlorophenol	mg/kg	**2.500**[#2]		<0.01	<0.01	-	55	0	<0.01	<1	0.029	0.005	0.068	0	0			
	2,4-dimethylphenol	mg/kg	**16.000**[#3]		<0.01	<0.01	-	55	0	<0.01	<1	0.029	0.005	0.068	0	0			
	2,4,5-trichlorophenol	mg/kg	**82.000**[#2]		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0			
	2,4,6-trichlorophenol	mg/kg	**210**[#2]		<0.01	<0.01	-	55	0	<0.01	<1	0.029	0.005	0.068	0	0			
	4-chloro-3-methylphenol	mg/kg	**82.000**[#2]		<0.01	<0.01	-	55	0	<0.01	<1	0.029	0.005	0.068	0	0			
	4-methylphenol	mg/kg	**160000**[#3]		<0.01	<0.01	-	36	0	<0.01	<0.01	0.005	0.005	0	0	0			
	4-nitrophenol	mg/kg			<0.1	-	-	49	2	<0.01	<1	0.054	0.05	0.075	0	0			
	Pentachlorophenol	mg/kg	**400**[#1]		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0			
	Phenol	mg/kg	**440**[#1]		<0.01	<0.01	-	55	0	<0.01	<1	0.029	0.005	0.068	0	0			
	2-chloronaphthalene	mg/kg	**390**[#3]		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0			
	2-methylnaphthalene	mg/kg	**3.000**[#2]		<0.1	-	-	49	3	<0.01	<1	0.055	0.05	0.075	0	0			
	Bis(2-ethylhexyl) phthalate	mg/kg	**85.000**[#3]		<0.1	-	-	49	0	<0.1	<1	0.059	0.05	0.064	0	0			
	Butyl benzyl phthalate	mg/kg	**940.000**[#3]		<0.1	-	-	49	0	<0.1	<1	0.059	0.05	0.064	0	0			
	Di-n-butyl phthalate	mg/kg	**15.000**[#3]		<0.1	-	-	49	0	<0.1	<1	0.059	0.05	0.064	0	0			
	Di-n-octyl phthalate	mg/kg	**89.000**[#3]		<0.1	-	-	49	0	<0.1	<1	0.059	0.05	0.064	0	0			
	Diethylphthalate	mg/kg	**150.000**[#3]		<0.1	-	-	49	0	<0.1	<1	0.059	0.05	0.064	0	0			
	Dimethyl phthalate	mg/kg			<0.1	-	-	49	0	<0.1	<1	0.059	0.05	0.064	0	0			
	2-nitroaniline	mg/kg	**8.000**[#2]		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0			

					Location_Code	MS\TP09	MS\TP10	MS\TP10									
					Sample_Depth_Range	3	0.3	0.5									
					Sampled_Date_Time	16/06/2021	21/06/2021	21/06/2021									
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC	MG	MG	MG	Statistical Summary									
Chem_Group	ChemName	output unit						Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
	3-nitroaniline	mg/kg			<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0
	4-bromophenyl phenyl ether	mg/kg			<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0
	4-chloroaniline	mg/kg	11 #2		-	-	-	12	0	<0.01	<0.01	0.005	0.005	0	0	0
	4-chlorophenyl phenyl ether	mg/kg			<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0
	4-nitroaniline	mg/kg	110 #2		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0
	Azobenzene	mg/kg	26 #2		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0
	Bis(2-chloroethoxy) methane	mg/kg	2.500 #2		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0
	Bis(2-chloroethyl)ether	mg/kg	1 #2		-	-	-	12	0	<0.01	<0.01	0.005	0.005	0	0	0
	Carbazole	mg/kg			<0.1	-	-	49	2	<0.01	<1	0.054	0.05	0.075	0	0
	Dibenzofuran	mg/kg	1.200 #2		<0.1	-	-	49	2	<0.01	<1	0.056	0.05	0.08	0	0
	Hexachlorocyclopentadiene	mg/kg	7.5 #2		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0
	Hexachloroethane	mg/kg	22 #3		-	-	-	12	0	<0.01	<0.01	0.005	0.005	0	0	0
	Isophorone	mg/kg	2.400 #2		-	-	-	12	0	<0.01	<0.01	0.005	0.005	0	0	0
	N-nitrosodi-n-propylamine	mg/kg	0.33 #2		-	-	-	12	0	<0.01	<0.01	0.005	0.005	0	0	0
	Benzyl alcohol	mg/kg	82.000 #2		<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0
	Bis(2-chloroisopropyl)ether	mg/kg			<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0
	2,6-Dimethylphenol	mg/kg	490 #2		<0.01	<0.01	-	25	0	<0.01	<0.01	0.005	0.005	0	0	0
	4,6-Dinitro-2-methylphenol	mg/kg	66 #2		<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0
	Total Monohydric Phenols (S) Corrected	mg/kg			<0.3	<0.3	<0.3	93	1	<0.3	0.4	0.15	0.15	0.026	0	0
	Diphenylamine	mg/kg	82.000 #2		<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0
PCBs	PCB congener 28 + 31	mg/kg			-	<0.01	-	19	1	<0.01	0.1	0.01	0.005	0.022	0	0
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	mg/kg	0.16 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	mg/kg	0.048 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	mg/kg	0.49 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	mg/kg	0.5 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	PCB 118	mg/kg	0.49 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 123)	mg/kg	0.49 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	mg/kg	0.00015 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	19	0
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	mg/kg	0.5 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	mg/kg	0.5 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	mg/kg	0.51 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	mg/kg	0.00051 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	19	0
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	mg/kg	0.52 #2		-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	PCB 52	mg/kg			-	<0.01	-	19	1	<0.01	0.07	0.0084	0.005	0.015	0	0
	PCB 101	mg/kg			-	<0.01	-	19	1	<0.01	0.01	0.0053	0.005	0.0011	0	0
	PCB 138	mg/kg			-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	PCB 153	mg/kg			-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	PCB 180	mg/kg			-	<0.01	-	19	0	<0.01	<0.01	0.005	0.005	0	0	0
	Total PCB 7 Congeners	mg/kg			-	<0.01	-	19	1	<0.01	0.18	0.014	0.005	0.04	0	0
Explosives	1,3-Dinitrobenzene	mg/kg	82 #2		<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0
	2,4-Dinitrotoluene	mg/kg	3.700 #3		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0
	2,6-dinitrotoluene	mg/kg	1.900 #3		<0.1	-	-	49	0	<0.01	<1	0.048	0.05	0.069	0	0
	Nitrobenzene	mg/kg	22 #2		-	-	-	12	0	<0.01	<0.01	0.005	0.005	0	0	0
Metals	Arsenic	mg/kg	640 #1	*640 #4*	6.2	8.7	18	101	101	3.1	180	13	8.3	19	0	0
	Beryllium	mg/kg	12 #1		6.3	1.4	1.3	101	87	<0.2	8.1	2.5	1.4	2.5	0	0
	Cadmium	mg/kg	190 #1	*410 #4*	<0.1	0.2	0.4	101	57	<0.1	22	1	0.1	3.1	0	0
	Copper	mg/kg	68.000 #1		9.4	23	35	101	101	3.5	2700	59	15	270	0	0
	Iron	mg/kg	820.000 #2		-	-	-	8	8	6200	73000	37900	38000	23072	0	0
	Lead	mg/kg	2.300 #4	*2.300 #4*	7.2	28	110	101	101	0.9	1000	75	19	165	0	0
	Mercury	mg/kg	1100 #1		<0.05	<0.05	0.11	101	16	<0.05	8.4	0.15	0.025	0.85	0	0
	Nickel	mg/kg	980 #1		2.2	32	25	101	94	<1	86	17	7.7	19	0	0
	Selenium	mg/kg	12.000 #1		2.4	<0.5	<0.5	101	62	<0.5	14	1.9	1.1	2.4	0	0
	Vanadium	mg/kg	9.000 #1		110	48	50	101	101	8.7	2500	304	50	569	0	0
	Zinc	mg/kg	730.000 #1		19	80	220	101	101	3.5	4100	220	52	582	0	0
	Boron (Water Soluble)	mg/kg			3.3	1	1.3	101	99	<0.2	17	2.9	2.2	2.6	0	0
	Chromium (hexavalent)	mg/kg	33 #1	*49 #4*	<1	<1	<1	101	0	<1	<1	0.5	0.5	0	0	0
	Chromium (Trivalent)	mg/kg	8.600 #1		30	35	31	101	101	2.4	990	106	26	192	0	0
Inorganics	Cyanide (Free)	mg/kg			<0.1	0.2	0.2	93	6	<0.1	0.2	0.056	0.05	0.028	0	0
	Cyanide Total	mg/kg	150 #2		<0.1	0.2	0.3	93	38	<0.1	16	0.35	0.05	1.7	0	0
	Thiocyanate	mg/kg	230 #2		<0.6	0.8	1	93	21	<0.6	2.8	0.5	0.3	0.47	0	0
	Nitrate (as NO3-)	mg/kg	1.900.000 #2		7.8	1.5	8.1	92	79	<1	54	6.4	4.9	6.8	0	0
	Sulphide	mg/kg			2200	52	20	93	88	<10	14000	1009	350	1875	0	0
	Sulphur as S	mg/kg			5700	400	300	93	93	200	17000	3473	2900	2905	0	0
	Soluble Sulphate 2:1 extract as SO4 BRE	g/l			0.67	0.059	0.048	93	93	0.019	2.9	0.63	0.43	0.59	0	0
	Elemental Sulphur	mg/kg			3.8	<0.75	<0.75	93	67	<0.75	690	29	4.3	80	0	0

					Location_Code	MS\TP09	MS\TP10	MS\TP10										
					Sample_Depth_Range	3	0.3	0.5										
					Sampled_Date_Time	16/06/2021	21/06/2021	21/06/2021										
			Human Health GAC Commercial Industrial SLOAM_0.58-1.45%TOC	Human Health GAC Commercial Industrial C4SL 0.58-3.48% TOC		MG	MG	MG	**Statistical Summary**									
Chem_Group	**ChemName**	**output unit**							Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
Other	Organic Matter	%				0.3	1.9	2.7	93	92	<0.1	3.4	1.1	1	0.74	0	0
	Moisture	%				12	17	19	81	81	2.2	26	13	13	6.4	0	0
	TOC	%				-	-	-	1	1	0.00028	0.00028		0.00028		0	0
Asbestos	Asbestos Quantification - Total - %	%				-	-	-	7	1	<0.001	0.001	0.00057	0.0005	0.00019	0	0
	Asbestos Identification	None				0	0	0	50	50	0	1	0.16	0	0.37	0	0
Field	pH	pH_Units	**11.5**			10.6	8.1	8	93	93	5.6	12.2	9.9	10.1	1.3	7	7
MISC	1,2-Dinitrobenzene	mg/kg	**82**[#2]			<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0
	1,4-dinitrobenzene	mg/kg	**82**[#2]			<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0
	Decane	mg/kg				-	-	-	1	1	0.6845	0.6845		0.6845		0	0
	Natural Moisture Content	%				-	-	-	12	12	13.1	31.3	23	24.25	5.4	0	0
	3/4-Methylphenol (m/p-cresol)	mg/kg				<0.1	-	-	38	0	<0.1	<1	0.062	0.05	0.073	0	0

Env Stds Comments
#1:LQM/CIEH S4ULs 2015
#2:USEPA RSL (May 2020)
#3:EIC/AGS/CL:AIRE
#4:Defra C4SL 12/2014

C4SL 2021 - Vinyl chloride, tetrachloroethene, trichloroethene
GAC: Generic Assessment Criteria
(blank): No assessment criteria available
- : Not analysed
HH: Human Health
1,2-Dichloroethene - cis 1,2-dichloroethene used
2-methylphenol - cresol total used
4-methylphenol -cresol total used
pH - Hazardous Waste Value - corrosive

XXX	Exceedance of HH Soil. Commercial/Industrial. Sandy Loam. TOC>=0.58 to <1.45%
XXX	Exceedance of HH Soil. C4SL Commercial (England, Ireland, Northern Ireland, Wales. TOC>=0.58 to <3.48 &>0.58 to <1.45%

MG - Made Ground
TFD-S - Tidal Flat Deposits - Sand
TFD-C - Tidal F;at Deposits - Clay
GT - Glacial Till
RMU - Redcar Mudstone Formation

TPH Analytical Fractions	Human Health Commercial Industrial GAC (mg/kg)	Location	LF\BH02	LF\TP01	LF\TP01	LF\TP02	LF\TP03	MS\BH02	MS\BH02	MS\BH02	MS\BH03
		Sample Top Depth (mg/kg)	8.7	0.3	1	1	4	2.25	10.2	11.2	1
>C5-C6 Aliphatics	3200		3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06
>C6-C8 Aliphatics	7800		1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06
>C8-C10 Aliphatics	2000		0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
>C10-C12 Aliphatics	9700		0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0546392	0.0001546	0.0001546	0.0001546
>C12-C16 Aliphatics	59000		4.746E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	0.0088136	2.034E-05	2.034E-05	2.034E-05
>C16-C35 Aliphatics	1600000		5.188E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	0.000825	3.063E-06	3.063E-06	3.063E-06
>EC5-EC7 Aromatics	26000		3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07
>EC7-EC8 Aromatics	56000		1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07
>EC8-EC10 Aromatics	3500		2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06
>EC10-EC12 Aromatics	16000		5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05
>EC12-EC16 Aromatics	36000		1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05
>EC16-EC21 Aromatics	28000		2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	6.071E-05	2.143E-05
>EC21-EC35 Aromatics	28000		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0005357	0.00005
Hazard Index			**0.0003617**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0644321**	**0.0003324**	**0.0008574**	**0.0003324**

TPH Analytical Fractions	Human Health Commercial Industrial GAC (mg/kg)	Location	MS\BH03	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH05	MS\BH06	MS\BH06	MS\BH07
		Sample Top Depth (mg/kg)	2	11	23.4	0.3	1	17.3	0.5	5.3	4.2
>C5-C6 Aliphatics	3200		3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06
>C6-C8 Aliphatics	7800		1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06
>C8-C10 Aliphatics	2000		0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
>C10-C12 Aliphatics	9700		0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0012371
>C12-C16 Aliphatics	59000		2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	0.0002034	2.034E-05	0.0028814
>C16-C35 Aliphatics	1600000		3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	0.0009	3.063E-06	0.00115
>EC5-EC7 Aromatics	26000		3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07
>EC7-EC8 Aromatics	56000		1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07
>EC8-EC10 Aromatics	3500		2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06
>EC10-EC12 Aromatics	16000		5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	0.0002563
>EC12-EC16 Aromatics	36000		1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	0.0001111	1.389E-05	0.0041667
>EC16-EC21 Aromatics	28000		2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	0.0021429	2.143E-05	0.0303571
>EC21-EC35 Aromatics	28000		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0314286	0.00005	0.0892857
Hazard Index			**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0350096**	**0.0003324**	**0.1293471**

TPH Analytical Fractions	Human Health Commercial Industrial GAC (mg/kg)	Location	MS\BH07	MS\BH07	MS\BH08	MS\BH09	MS\BH10	MS\BH10	MS\BH10	MS\BH10	MS\BH11
		Sample Top Depth (mg/kg)	4.65	15.7	0.36	0.5	1	4	11.3	19.1	4
>C5-C6 Aliphatics	3200		3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06
>C6-C8 Aliphatics	7800		1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06
>C8-C10 Aliphatics	2000		0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
>C10-C12 Aliphatics	9700		0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546
>C12-C16 Aliphatics	59000		2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05
>C16-C35 Aliphatics	1600000		3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06
>EC5-EC7 Aromatics	26000		3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07
>EC7-EC8 Aromatics	56000		1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07
>EC8-EC10 Aromatics	3500		2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06
>EC10-EC12 Aromatics	16000		0.0001688	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05
>EC12-EC16 Aromatics	36000		6.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05
>EC16-EC21 Aromatics	28000		0.0004286	2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05
>EC21-EC35 Aromatics	28000		0.0021071	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Hazard Index			**0.0029592**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**

TPH Analytical Fractions	Human Health Commercial Industrial GAC (mg/kg)	Location	MS\BH11	MS\BH12	MS\BH14	MS\BH14	MS\BH14	MS\BH15	MS\BH15	MS\BH16	MS\BH16
		Sample Top Depth (mg/kg)	5	1	4.2	14.2	17.5	1	2.7	0.5	3.3
>C5-C6 Aliphatics	3200		3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06
>C6-C8 Aliphatics	7800		1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06
>C8-C10 Aliphatics	2000		0.000005	0.000005	0.00002	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
>C10-C12 Aliphatics	9700		0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546
>C12-C16 Aliphatics	59000		2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05
>C16-C35 Aliphatics	1600000		3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	2.738E-05	3.063E-06
>EC5-EC7 Aromatics	26000		3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07
>EC7-EC8 Aromatics	56000		1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07
>EC8-EC10 Aromatics	3500		2.857E-06	2.857E-06	0.00008	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06
>EC10-EC12 Aromatics	16000		5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	0.00015	5.625E-05
>EC12-EC16 Aromatics	36000		1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	2.222E-05	1.389E-05
>EC16-EC21 Aromatics	28000		2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	0.000075	2.143E-05
>EC21-EC35 Aromatics	28000		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0011786	0.00005
Hazard Index			**0.0003324**	**0.0003324**	**0.0004246**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0016410**	**0.0003324**

TPH Analytical Fractions	Human Health Commercial Industrial GAC (mg/kg)	Location	MS\BH16	MS\BH16	MS\TP01	MS\TP04	MS\TP05	MS\TP05	MS\TP06	MS\TP06	MS\TP07
		Sample Top Depth (mg/kg)	4.2	5	4	4	1	2	1.2	3.8	2
>C5-C6 Aliphatics	3200		3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06	3.125E-06
>C6-C8 Aliphatics	7800		1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06	1.282E-06
>C8-C10 Aliphatics	2000		0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005	0.000005
>C10-C12 Aliphatics	9700		0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546	0.0001546
>C12-C16 Aliphatics	59000		2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	2.034E-05	0.0042373	2.034E-05
>C16-C35 Aliphatics	1600000		3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	3.063E-06	4.438E-05	0.000725	3.063E-06
>EC5-EC7 Aromatics	26000		3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07	3.846E-07
>EC7-EC8 Aromatics	56000		1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07	1.786E-07
>EC8-EC10 Aromatics	3500		2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06	2.857E-06
>EC10-EC12 Aromatics	16000		5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	5.625E-05	0.0002	0.0001688	5.625E-05
>EC12-EC16 Aromatics	36000		1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	1.389E-05	0.0001472	0.0055556	1.389E-05
>EC16-EC21 Aromatics	28000		2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	2.143E-05	0.0012143	0.0392857	2.143E-05
>EC21-EC35 Aromatics	28000		0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.0035	0.0078571	0.00005
Hazard Index			**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0003324**	**0.0052937**	**0.0579969**	**0.0003324**

TPH Analytical Fractions	Human Health Commercial Industrial GAC (mg/kg)	Location	MS\TP09	MS\TP09	MS\TP10
		Sample Top Depth (mg/kg)	1	3	0.3
>C5-C6 Aliphatics	3200		3.125E-06	3.125E-06	3.125E-06
>C6-C8 Aliphatics	7800		1.282E-06	1.282E-06	1.282E-06
>C8-C10 Aliphatics	2000		0.000005	0.000005	0.000005
>C10-C12 Aliphatics	9700		0.0001546	0.0001546	0.0001546
>C12-C16 Aliphatics	59000		2.034E-05	2.034E-05	2.034E-05
>C16-C35 Aliphatics	1600000		3.063E-06	3.063E-06	3.063E-06
>EC5-EC7 Aromatics	26000		3.846E-07	3.846E-07	3.846E-07
>EC7-EC8 Aromatics	56000		1.786E-07	1.786E-07	1.786E-07
>EC8-EC10 Aromatics	3500		2.857E-06	2.857E-06	2.857E-06
>EC10-EC12 Aromatics	16000		5.625E-05	5.625E-05	5.625E-05
>EC12-EC16 Aromatics	36000		1.389E-05	1.389E-05	1.389E-05
>EC16-EC21 Aromatics	28000		2.143E-05	2.143E-05	2.143E-05
>EC21-EC35 Aromatics	28000		0.00005	0.00005	0.00005
Hazard Index			**0.0003324**	**0.0003324**	**0.0003324**

Round 1
Groundwater Chemical Results Screened Against GAC Protective of Groundwater Quality (DWS)

			Field_ID	LF\BH01D	LF\BH01S	MS\BH03D	MS\BH03S	MS\BH04D	MS\BH04S	MS\BH05D	MS\BH05S	MS\BH07D	MS\BH07S	MS\BH08D
			Location_Code	LF\BH01	LF\BH01	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH05	MS\BH05	MS\BH07	MS\BH07	MS\BH08
			Well	D	S	D	S	D	S	D	S	D	S	D
			Sampled_Date_Time	13/08/2021	13/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	11/08/2021
			Monitoring_Unit	RMF	TFD SAND	RMF	TFD SAND	GLACIAL	TFD SAND	RMF	TFD SAND	TFD SAND	MADE GROUND	TFD SAND
Chem_Group	**ChemName**	**output unit**	Controlled Waters GAC_DWS (Groundwater)											
TPH	EPH >C10-C40	µg/L		280	210	3500	170	<10	<10	1000	370	120	280	54
	>C5-C6 Aliphatics	µg/L	**15.000**[#1]	<0.1	<0.1	120	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C6-C8 Aliphatics	µg/L	**15.000**[#1]	<0.1	<0.1	210	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C8-C10 Aliphatics	µg/L	**300**[#1]	<0.1	<0.1	15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C10-C12 Aliphatics	µg/L	**300**[#1]	6.4	<1	<1	<1	<1	14	6	<1	<1	<1	33
	>C12-C16 Aliphatics	µg/L	**300**[#1]	4.6	<1	<1	<1	<1	5.4	13	<1	<1	<1	8.6
	>C16-C21 Aliphatics	µg/L	**300**[#1]	20	<1	<1	<1	<1	8.2	13	<1	<1	<1	8.2
	>C16-C35 Aliphatics	µg/L		25.9	<2	<2	<2	<2	9.7	27	<2	<2	<2	9.2
	>C21-C35 Aliphatics	µg/L	**300**[#1]	5.9	<1	<1	<1	<1	1.5	14	<1	<1	<1	<1
	>C5-C35 Aliphatics	µg/L		37	<10	340	<10	<10	30	46	<10	<10	<10	51
	>EC5-EC7 Aromatics	µg/L	**1**[#2]	<0.1	<0.1	**58**	<0.1	<0.1	<0.1	<0.1	**5.2**	<0.1	<0.1	<0.1
	>EC7-EC8 Aromatics	µg/L	**700**[#1]	<0.1	<0.1	20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>EC8-EC10 Aromatics	µg/L	**300**[#1]	<0.1	<0.1	250	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>EC10-EC12 Aromatics	µg/L	**90**[#1]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC12-EC16 Aromatics	µg/L	**90**[#1]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC16-EC21 Aromatics	µg/L	**90**[#1]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC21-EC35 Aromatics	µg/L	**90**[#1]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC5-EC35 Aromatics	µg/L		<10	<10	330	<10	<10	<10	<10	<10	<10	<10	<10
	>C5-C35 Aliphatics & Aromatics	µg/L		37	<10	670	<10	<10	30	47	<10	<10	<10	51
VOC	Dichlorodifluoromethane	µg/L	**200**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	MTBE	µg/L	**1.800**[#4]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Chloromethane	µg/L	**190**[#3]	<1	<1	-	2	-	2	-	2	2	2	3
	Vinyl chloride	µg/L	**0.5**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bromomethane	µg/L	**7.5**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Chloroethane	µg/L	**21.000**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Trichlorofluoromethane	µg/L	**5.200**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1-dichloroethene	µg/L	**140**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Dichloromethane	µg/L	**20**[#5]	<27	<27	-	<27	-	<27	-	<27	<27	<27	<27
	trans-1,2-dichloroethene	µg/L	**50**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1-dichloroethane	µg/L	**2.8**[#3]	<1	<1	-	<1	-	<1	-	1	<1	<1	<1
	cis-1,2-dichloroethene	µg/L	**50**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,2-dichloropropane	µg/L		<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
	Bromochloromethane	µg/L	**83**[#3]	<4	<4	-	<4	-	<4	-	<4	<4	<4	<4
	Chloroform	µg/L	**100**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1,1-trichloroethane	µg/L	**2.000**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1-dichloropropene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Carbon tetrachloride	µg/L	**3**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-dichloroethane	µg/L	**3**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Benzene	µg/L	**1**[#2]	<1	<1	**58**	<1	<1	<1	<1	**5 - 5.2**	<1	<1	<1
	Trichloroethene	µg/L	**Use PCE + TCE**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-dichloropropane	µg/L	**40**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Dibromomethane	µg/L	**8.3**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bromodichloromethane	µg/L	**100**[#2]	<4	<4	-	<4	-	<4	-	<4	<4	<4	<4
	cis-1,3-dichloropropene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Toluene	µg/L	**700**[#5]	<1	<1	20	<1	<1	<1	<1	<1	<1	<1	<1
	trans-1,3-dichloropropene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1,2-trichloroethane	µg/L	**0.28**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Tetrachloroethene	µg/L	**Use PCE + TCE**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,3-dichloropropane	µg/L	**370**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Sum of PCE and TCE	µg/L	**10**[#2]	<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
	Chlorodibromomethane	µg/L	**100**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-dibromoethane	µg/L	**0.4**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Chlorobenzene	µg/L	**300**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1,1,2-tetrachloroethane	µg/L	**0.57**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Ethylbenzene	µg/L	**300**[#5]	<1	<1	210	<1	<1	<1	<1	<1	<1	<1	<1

			Field_ID	LF\BH01D	LF\BH01S	MS\BH03D	MS\BH03S	MS\BH04D	MS\BH04S	MS\BH05D	MS\BH05S	MS\BH07D	MS\BH07S	MS\BH08D
			Location_Code	LF\BH01	LF\BH01	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH05	MS\BH05	MS\BH07	MS\BH07	MS\BH08
			Well	D	S	D	S	D	S	D	S	D	S	D
			Sampled_Date_Time	13/08/2021	13/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	11/08/2021
			Monitoring_Unit	RMF	TFD SAND	RMF	TFD SAND	GLACIAL	TFD SAND	RMF	TFD SAND	TFD SAND	MADE GROUND	TFD SAND
Chem_Group	**ChemName**	**output unit**	Controlled Waters GAC_DWS (Groundwater)											
	Xylene (m & p)	µg/L		<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
	Xylene Total	µg/L	**500**[#5]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Xylene (o)	µg/L	**190**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Styrene	µg/L	**20**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bromoform	µg/L	**100**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Isopropylbenzene	µg/L	**450**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1,2,2-tetrachloroethane	µg/L	**0.076**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bromobenzene	µg/L	**62**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2,3-trichloropropane	µg/L	**0.00075**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	n-propylbenzene	µg/L	**660**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2-chlorotoluene	µg/L	**240**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,3,5-trimethylbenzene	µg/L	**60**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-chlorotoluene	µg/L	**250**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	tert-butylbenzene	µg/L	**690**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2,4-trimethylbenzene	µg/L	**56**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	sec-butylbenzene	µg/L	**2,000**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	p-isopropyltoluene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,3-dichlorobenzene	µg/L		<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
	1,4-dichlorobenzene	µg/L	**300**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	n-butylbenzene	µg/L	**1,000**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-dichlorobenzene	µg/L	**1,000**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-dibromo-3-chloropropane	µg/L	**1**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2,4-trichlorobenzene	µg/L	**0.1**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Hexachlorobutadiene	µg/L	**0.1**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2,3-trichlorobenzene	µg/L	**0.1**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-Dichloroethene	µg/L	**50**[#5]	<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
	Trihalomethanes	µg/L	**100**[#2]	<7	<7	-	<7	-	<7	-	<7	<7	<7	<7
	Hexachlorobenzene	µg/L	**0.1**[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Trichlorobenzene (total)	µg/L	**0.1**[#2]	<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
PAH	Naphthalene	µg/L	**6**[#4]	0.12	0.16	0.31	0.09	0.46	0.22	0.28	0.12	0.15	0.12	0.42
	Acenaphthylene	µg/L	**18**[#4]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	µg/L	**18**[#4]	0.05	0.06	<0.01	0.01	0.09	0.04	0.01	0.01	0.17	0.12	0.08
	Fluorene	µg/L	**12**[#4]	0.02	0.02	0.08	0.01	0.04	0.01	0.03	0.02	0.06	0.07	0.02
	Phenanthrene	µg/L	**4**[#4]	<0.01	<0.01	0.2	<0.01	0.01	<0.01	0.03	<0.01	<0.01	0.02	<0.01
	Anthracene	µg/L	**90**[#4]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
	Fluoranthene	µg/L	**4**[#5]	<0.01	0.01	<0.01	<0.01	0.02	<0.01	0.02	<0.01	<0.01	0.01	<0.01
	Pyrene	µg/L	**9**[#4]	<0.01	0.01	0.02	<0.01	0.02	<0.01	0.02	<0.01	<0.01	0.02	<0.01
	Benz(a)anthracene	µg/L	**3.5**[#4]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Chrysene	µg/L	**7**[#4]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(a) pyrene	µg/L	**0.01**[#2]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno(1,2,3-c,d)pyrene	µg/L	**Use PAHs (sum of 4)**[#2]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenz(a,h)anthracene	µg/L	**0.07**[#4]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(g,h,i)perylene	µg/L	**Use PAHs (sum of 4)**[#2]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(b)fluoranthene	µg/L	**Use PAHs (sum of 4)**[#2]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(k)fluoranthene	µg/L	**Use PAHs (sum of 4)**[#2]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(b)&(k)fluoranthene	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	PAHs (sum of 4)	µg/L	**0.1**[#2]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	PAH 16 Total	µg/L		<0.2	0.26	0.61	<0.2	0.63	0.28	0.39	<0.2	0.38	0.36	0.52
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	Benzo(a)pyrene (surrogate marker for PAH mixture)	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SVOC	2,3,5,6-Tetrachlorophenol	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2-chlorophenol	µg/L	**91**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2-methylphenol	µg/L	**930**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,4-dichlorophenol	µg/L	**46**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,4-dimethylphenol	µg/L	**360**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1

			Field_ID	LF\BH01D	LF\BH01S	MS\BH03D	MS\BH03S	MS\BH04D	MS\BH04S	MS\BH05D	MS\BH05S	MS\BH07D	MS\BH07S	MS\BH08D
			Location_Code	LF\BH01	LF\BH01	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH05	MS\BH05	MS\BH07	MS\BH07	MS\BH08
			Well	D	S	D	S	D	S	D	S	D	S	D
			Sampled_Date_Time	13/08/2021	13/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	11/08/2021
			Monitoring_Unit	RMF	TFD SAND	RMF	TFD SAND	GLACIAL	TFD SAND	RMF	TFD SAND	TFD SAND	MADE GROUND	TFD SAND
Chem_Group	**ChemName**	**output unit**	Controlled Waters GAC_DWS (Groundwater)											
	2,4,5-trichlorophenol	µg/L	**1.200**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,4,6-trichlorophenol	µg/L	**200**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-chloro-3-methylphenol	µg/L	**1.400**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-nitrophenol	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Pentachlorophenol	µg/L	**9**[#5]	<1	1.4	-	<1	-	<1	-	<1	<1	<1	<1
	Phenol	µg/L	**5.800**[#3]	4.4	7.9	-	3	-	<1	-	3.7	2	5	<1
	2-chloronaphthalene	µg/L	**750**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2-methylnaphthalene	µg/L	**36**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bis(2-ethylhexyl) phthalate	µg/L	**8**[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Butyl benzyl phthalate	µg/L	**16**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Di-n-butyl phthalate	µg/L	**900**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Di-n-octyl phthalate	µg/L	**200**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Diethylphthalate	µg/L	**15.000**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Dimethyl phthalate	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2-nitroaniline	µg/L	**190**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	3-nitroaniline	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-bromophenyl phenyl ether	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-chlorophenyl phenyl ether	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-nitroaniline	µg/L	**3.8**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Azobenzene	µg/L	**0.12**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bis(2-chloroethoxy) methane	µg/L	**59**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Carbazole	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Dibenzofuran	µg/L	**7.9**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Hexachlorocyclopentadiene	µg/L	**0.41**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1-Methylnaphthalene	µg/L	**1.1**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Benzyl alcohol	µg/L	**2.000**[#3]	1.7	2.2	-	<1	-	<1	-	1.6	<1	<1	<1
	Bis(2-chloroisopropyl)ether	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Total Monohydric Phenols (S) Corrected	µg/L		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
	Diphenylamine	µg/L	**1.300**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
PCBs	PCB 118+123	µg/L		-	-	-	-	-	-	-	-	<0.6	<0.6	-
	PCB congener 28 + 31	µg/L		-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	µg/L	**0.006**[#3]	-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	µg/L	**0.0004**[#3]	-	-	-	-	-	-	-	-	<0.2	<0.2	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	µg/L	**0.004**[#3]	-	-	-	-	-	-	-	-	<0.2	<0.2	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	µg/L	**0.004**[#3]	-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	µg/L	**0.0000012**[#3]	-	-	-	-	-	-	-	-	<0.5	<0.5	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	µg/L	**0.004**[#3]	-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	µg/L	**0.004**[#3]	-	-	-	-	-	-	-	-	<0.2	<0.2	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	µg/L	**0.004**[#3]	-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	µg/L	**0.000004**[#3]	-	-	-	-	-	-	-	-	<0.2	<0.2	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	µg/L	**0.004**[#3]	-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Total PCB WHO 12	µg/L		-	-	-	-	-	-	-	-	<1	<1	-
	PCB 52	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	PCB 101	µg/L		-	-	-	-	-	-	-	-	<0.3	<0.3	-
	PCB 138	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	PCB 153	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	PCB 180	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	Total PCB 7 Congeners	µg/L		-	-	-	-	-	-	-	-	<1	<1	-
Explosives	1,3-Dinitrobenzene	µg/L	**2**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,4-Dinitrotoluene	µg/L	**0.24**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,6-dinitrotoluene	µg/L	**0.049**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
Metals	Arsenic (Filtered)	µg/L	**10**[#2]	8.3	7	2.8	4.1	1.9	2.6	2.6	4.4	6.4	**13**	**13**
	Beryllium (Filtered)	µg/L	**12**[#5]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Boron (Filtered)	µg/L	**1.000**[#2]	260	220	73	390	570	590	280	280	380	380	460
	Cadmium (Filtered)	µg/L	**5**[#2]	0.05	0.05	0.08	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03

Round 1
Groundwater Chemical Results Screened Against GAC Protective of Groundwater Quality (DWS)

			Field_ID	LF\BH01D	LF\BH01S	MS\BH03D	MS\BH03S	MS\BH04D	MS\BH04S	MS\BH05D	MS\BH05S	MS\BH07D	MS\BH07S	MS\BH08D
			Location_Code	LF\BH01	LF\BH01	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH05	MS\BH05	MS\BH07	MS\BH07	MS\BH08
			Well	D	S	D	S	D	S	D	S	D	S	D
			Sampled_Date_Time	13/08/2021	13/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	11/08/2021
			Monitoring_Unit	RMF	TFD SAND	RMF	TFD SAND	GLACIAL	TFD SAND	RMF	TFD SAND	TFD SAND	MADE GROUND	TFD SAND
Chem_Group	**ChemName**	**output unit**	Controlled Waters GAC_DWS (Groundwater)											
	Copper (Filtered)	µg/L	**2.000**[#2]	<0.4	0.5	2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
	Iron (Filtered)	µg/L	**200**[#2]	29	12	70	14	**510**	**870**	13	44	26	41	14
	Lead (Filtered)	µg/L	**10**[#2]	<0.09	0.14	0.13	<0.09	<0.09	<0.09	0.09	0.11	0.1	0.16	<0.09
	Mercury (Filtered)	µg/L	**1**[#2]	0.19	0.23	0.03	0.07	<0.01	<0.01	0.72	0.02	0.03	0.33	0.06
	Nickel (Filtered)	µg/L	**20**[#2]	6.5	4.4	**22**	1	0.9	0.6	1	2.9	0.7	2.7	1.5
	Selenium (Filtered)	µg/L	**10**[#2]	4.9	**15**	**27**	4.7	0.71	0.29	**24**	0.69	8.2	**27**	3.8
	Vanadium (Filtered)	µg/L	**86**[#3]	15	15	1.7	14	<0.6	<0.6	14	1.3	2.3	7.6	4.5
	Zinc (Filtered)	µg/L	**6.000**[#3]	2.8	1.6	6	1.7	1.9	2.8	6.2	4.8	5.1	3.7	1.8
	Chromium (hexavalent)	µg/L	**50**[#2]	**83**	**50**	**120**	<7	<7	<7	19	<7	<7	<7	<7
	Chromium (Trivalent) (Filtered)	µg/L	**50**[#2]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Inorganics	Sulphate, Total Potential as SO4	µg/l	**250,000**	**390000**	**690000**	**1100000**	**920000**	**2700000**	**1000000**	210,000	96,000	**840000**	**1100000**	**710000**
	Cyanide (Free)	mg/L	**0.05**[#2]	<0.0001	<0.02 - 0.0002	<0.02 - 0.0002	<0.02 - 0.0005	<0.02 - 0.001	<0.02 - 0.0005	<0.02 - 0.0013	<0.02 - 0.0006	<0.02 - 0.0043	<0.02 - 0.0012	<0.02 - 0.0007
	Cyanide Total	mg/L	**0.05**[#2]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.042	<0.04	<0.04	<0.04
	Thiocyanate	mg/L	**0.004**[#3]	**0.025**	**0.1**	**0.026**	<0.02	<0.02	<0.02	**0.41**	**2.3**	<0.02	**0.052**	**0.044**
	Nitrate (as NO3-)	mg/L	**50**[#2]	-	-	-	-	-	-	1.5	0.4	-	-	-
	Nitrite (as NO2-)	mg/L	**0.5**[#2]	-	-	-	-	-	-	<0.1	0.45	-	-	-
	Nitrate (as N)	mg/L		0.19	0.37	0.24	0.2	0.31	0.27	-	-	0.28	0.22	0.17
	Nitrite (as N)	mg/L		0.052	<0.035	0.25	<0.035	<0.035	<0.035	-	-	<0.035	<0.035	<0.035
	Sulphur as S	mg/L		150	-	490	310	-	380	51	-	-	400	-
	Ammoniacal Nitrogen as N	mg/L	**0.5**	0.23	0.062	0.12	0.19	0.12	0.015	0.27	**10**	**1.2**	0.47	**1.2**
	Ammoniacal Nitrogen as NH3	mg/L		0.28	0.075	0.14	0.23	0.15	0.019	0.32	13	1.5	0.58	1.5
	Total Hardness as CaCO3	mg/L		518	772	2170	806	1160	1380	75.8	45.7	697	945	388
Other	TOC	mg/L		<1	68	<1	43	30	15	2.2	12	13	38	32
Field	pH	pH_Units		11.4	11	12.2	8.6	8.2	7.7	10.3	9.2	8.3	8	7.8
MISC	Bis(2-ethylhexyl)esther	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,4-dinitrobenzene	µg/L	**2**[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	3/4-Methylphenol (m/p-cresol)	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1

Env Stds Comments
#1:WHO Petroleum DWG 2008
#2:WS Regs 2016 (Eng/Wal)
#3:USEPA RSL (tapwater) [May 2020]
#4:AECOM DWG (WHO method)
#5:WHO DWG 2017

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

XXX Exceedance of GAC - DWS - England/Wales

			Field_ID	MS\BH09D	MS\BH11D	MS\BH11S	MS\BH12D	MS\BH12S	MS\BH13D	MS\BH13S	MS\BH14	MS\BH15D	MS\BH15S	MS\BH17D
			Location_Code	MS\BH09	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13	MS\BH14	MS\BH15	MS\BH15	MS\BH17
			Well	D	D	S	D	S	D	S	-	D	S	D
			Sampled_Date_Time	13/08/2021	11/08/2021	12/08/2021	13/08/2021	11/08/2021	12/08/2021	12/08/2021	10/08/2021	13/08/2021	13/08/2021	10/08/2021
			Monitoring_Unit	TFD SAND	TFD SAND	MADE GROUND	RMF	GLACIAL	RMF	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	RMF
Chem_Group	**ChemName**	**output unit**	Controlled Waters GAC_DWS (Groundwater)											
TPH	EPH >C10-C40	µg/L		150	<10	780	200	33	<10	440	53	130	120	<10
	>C5-C6 Aliphatics	µg/L	**15.000**[#1]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C6-C8 Aliphatics	µg/L	**15.000**[#1]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C8-C10 Aliphatics	µg/L	**300**[#1]	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C10-C12 Aliphatics	µg/L	**300**[#1]	2.8	45	110	<1	34	<1	<1	<1	2.4	5	<1
	>C12-C16 Aliphatics	µg/L	**300**[#1]	1.5	18	10	1.3	12	<1	<1	<1	1.6	<1	<1
	>C16-C21 Aliphatics	µg/L	**300**[#1]	30	24	4.9	5.1	19	<1	<1	<1	27	12	<1
	>C16-C35 Aliphatics	µg/L		31	36	6	6.1	24.8	<2	<2	<2	28	13.8	<2
	>C21-C35 Aliphatics	µg/L	**300**[#1]	<1	12	1.1	<1	5.8	<1	<1	<1	<1	1.8	<1
	>C5-C35 Aliphatics	µg/L		35	99	120	<10	71	<10	<10	<10	32	20	<10
	>EC5-EC7 Aromatics	µg/L	**1**[#2]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>EC7-EC8 Aromatics	µg/L	**700**[#1]	<0.1	<0.1	<0.1	22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>EC8-EC10 Aromatics	µg/L	**300**[#1]	<0.1	<0.1	<0.1	14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>EC10-EC12 Aromatics	µg/L	**90**[#1]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC12-EC16 Aromatics	µg/L	**90**[#1]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC16-EC21 Aromatics	µg/L	**90**[#1]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC21-EC35 Aromatics	µg/L	**90**[#1]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC5-EC35 Aromatics	µg/L		<10	<10	<10	36	<10	<10	<10	<10	<10	<10	<10
	>C5-C35 Aliphatics & Aromatics	µg/L		36	99	120	44	71	<10	<10	<10	32	20	<10
VOC	Dichlorodifluoromethane	µg/L	**200**[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	MTBE	µg/L	**1.800**[#4]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Chloromethane	µg/L	**190**[#3]	<1	-	2	<1	-	-	-	-	-	<1	-
	Vinyl chloride	µg/L	**0.5**[#2]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Bromomethane	µg/L	**7.5**[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Chloroethane	µg/L	**21.000**[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Trichlorofluoromethane	µg/L	**5.200**[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1-dichloroethene	µg/L	**140**[#5]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Dichloromethane	µg/L	**20**[#5]	<27	-	<27	<27	-	-	-	-	-	<27	-
	trans-1,2-dichloroethene	µg/L	**50**[#5]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1-dichloroethane	µg/L	**2.8**[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	cis-1,2-dichloroethene	µg/L	**50**[#5]	<1	-	<1	<1	-	-	-	-	-	<1	-
	2,2-dichloropropane	µg/L		<2	-	<2	<2	-	-	-	-	-	<2	-
	Bromochloromethane	µg/L	**83**[#3]	<4	-	<4	<4	-	-	-	-	-	<4	-
	Chloroform	µg/L	**100**[#2]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1,1-trichloroethane	µg/L	**2.000**[#5]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1-dichloropropene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Carbon tetrachloride	µg/L	**3**[#2]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-dichloroethane	µg/L	**3**[#2]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Benzene	µg/L	**1**[#2]	**<1 - 5**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trichloroethene	µg/L	**Use PCE + TCE**[#2]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-dichloropropane	µg/L	**40**[#5]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Dibromomethane	µg/L	**8.3**[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Bromodichloromethane	µg/L	**100**[#2]	<4	-	<4	<4	-	-	-	-	-	<4	-
	cis-1,3-dichloropropene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Toluene	µg/L	**700**[#5]	<1	<1	<1	**<1 - 22**	<1	<1	<1	<1	<1	<1	<1
	trans-1,3-dichloropropene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1,2-trichloroethane	µg/L	**0.28**[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Tetrachloroethene	µg/L	**Use PCE + TCE**[#2]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,3-dichloropropane	µg/L	**370**[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Sum of PCE and TCE	µg/L	**10**[#2]	<2	-	<2	<2	-	-	-	-	-	<2	-
	Chlorodibromomethane	µg/L	**100**[#2]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-dibromoethane	µg/L	**0.4**[#5]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Chlorobenzene	µg/L	**300**[#5]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1,1,2-tetrachloroethane	µg/L	**0.57**[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Ethylbenzene	µg/L	**300**[#5]	<1	<1	<1	**<1 - 14**	<1	<1	<1	<1	<1	<1	<1

			Field_ID	MS\BH09D	MS\BH11D	MS\BH11S	MS\BH12D	MS\BH12S	MS\BH13D	MS\BH13S	MS\BH14	MS\BH15D	MS\BH15S	MS\BH17D
			Location_Code	MS\BH09	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13	MS\BH14	MS\BH15	MS\BH15	MS\BH17
			Well	D	D	S	D	S	D	S	-	D	S	D
			Sampled_Date_Time	13/08/2021	11/08/2021	12/08/2021	13/08/2021	11/08/2021	12/08/2021	12/08/2021	10/08/2021	13/08/2021	13/08/2021	10/08/2021
			Monitoring_Unit	TFD SAND	TFD SAND	MADE GROUND	RMF	GLACIAL	RMF	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	RMF
Chem_Group	**ChemName**	**output unit**	Controlled Waters GAC_DWS (Groundwater)											
	Xylene (m & p)	µg/L		<2	-	<2	<2	-	-	-	-	-	<2	-
	Xylene Total	µg/L	**500[#5]**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Xylene (o)	µg/L	**190[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	Styrene	µg/L	**20[#5]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	Bromoform	µg/L	**100[#2]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	Isopropylbenzene	µg/L	**450[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1,2,2-tetrachloroethane	µg/L	**0.076[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	Bromobenzene	µg/L	**62[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2,3-trichloropropane	µg/L	**0.00075[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	n-propylbenzene	µg/L	**660[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	2-chlorotoluene	µg/L	**240[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,3,5-trimethylbenzene	µg/L	**60[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	4-chlorotoluene	µg/L	**250[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	tert-butylbenzene	µg/L	**690[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2,4-trimethylbenzene	µg/L	**56[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	sec-butylbenzene	µg/L	**2,000[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	p-isopropyltoluene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,3-dichlorobenzene	µg/L		<2	-	<2	<2	-	-	-	-	-	<2	-
	1,4-dichlorobenzene	µg/L	**300[#5]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	n-butylbenzene	µg/L	**1,000[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-dichlorobenzene	µg/L	**1,000[#5]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-dibromo-3-chloropropane	µg/L	**1[#5]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2,4-trichlorobenzene	µg/L	**0.1[#2]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	Hexachlorobutadiene	µg/L	**0.1[#2]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2,3-trichlorobenzene	µg/L	**0.1[#2]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-Dichloroethene	µg/L	**50[#5]**	<2	-	<2	<2	-	-	-	-	-	<2	-
	Trihalomethanes	µg/L	**100[#2]**	<7	-	<7	<7	-	-	-	-	-	<7	-
	Hexachlorobenzene	µg/L	**0.1[#2]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	Trichlorobenzene (total)	µg/L	**0.1[#2]**	<2	-	<2	<2	-	-	-	-	-	<2	-
PAH	Naphthalene	µg/L	**6[#4]**	0.2	0.17	0.11	0.08	0.5	0.24	0.1	0.65	4.9	0.6	0.06
	Acenaphthylene	µg/L	**18[#4]**	<0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.02	0.01	0.1	0.02
	Acenaphthene	µg/L	**18[#4]**	0.02	0.02	0.04	<0.01	0.08	0.08	0.06	2.3	0.51	0.42	0.12
	Fluorene	µg/L	**12[#4]**	0.01	0.01	0.01	0.06	0.04	0.02	0.02	0.52	0.07	0.2	0.04
	Phenanthrene	µg/L	**4[#4]**	<0.01	<0.01	0.08	0.03	0.05	0.01	<0.01	2.6	<0.01	0.1	0.08
	Anthracene	µg/L	**90[#4]**	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.19	<0.01	0.02	0.02
	Fluoranthene	µg/L	**4[#5]**	<0.01	0.01	0.09	0.01	0.04	0.02	<0.01	0.24	<0.01	0.03	0.04
	Pyrene	µg/L	**9[#4]**	<0.01	0.01	0.11	0.01	0.03	0.02	0.01	0.14	0.01	0.03	0.03
	Benz(a)anthracene	µg/L	**3.5[#4]**	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
	Chrysene	µg/L	**7[#4]**	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
	Benzo(a) pyrene	µg/L	**0.01[#2]**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno(1,2,3-c,d)pyrene	µg/L	**Use PAHs (sum of 4)[#2]**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenz(a,h)anthracene	µg/L	**0.07[#4]**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
	Benzo(g,h,i)perylene	µg/L	**Use PAHs (sum of 4)[#2]**	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
	Benzo(b)fluoranthene	µg/L	**Use PAHs (sum of 4)[#2]**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(k)fluoranthene	µg/L	**Use PAHs (sum of 4)[#2]**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(b)&(k)fluoranthene	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	PAHs (sum of 4)	µg/L	**0.1[#2]**	<0.04	<0.04	0.04	<0.04	<0.04	<0.04	<0.04	0.04	<0.04	<0.04	<0.04
	PAH 16 Total	µg/L		0.23	0.22	0.5	0.21	0.76	0.39	0.2	6.8	5.6	1.5	0.42
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	µg/L		<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02
	Benzo(a)pyrene (surrogate marker for PAH mixture)	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SVOC	2,3,5,6-Tetrachlorophenol	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	2-chlorophenol	µg/L	**91[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	2-methylphenol	µg/L	**930[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	2,4-dichlorophenol	µg/L	**46[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-
	2,4-dimethylphenol	µg/L	**360[#3]**	<1	-	<1	<1	-	-	-	-	-	<1	-

			Field_ID	MS\BH09D	MS\BH11D	MS\BH11S	MS\BH12D	MS\BH12S	MS\BH13D	MS\BH13S	MS\BH14	MS\BH15D	MS\BH15S	MS\BH17D
			Location_Code	MS\BH09	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13	MS\BH14	MS\BH15	MS\BH15	MS\BH17
			Well	D	D	S	D	S	D	S	-	D	S	D
			Sampled_Date_Time	13/08/2021	11/08/2021	12/08/2021	13/08/2021	11/08/2021	12/08/2021	12/08/2021	10/08/2021	13/08/2021	13/08/2021	10/08/2021
			Monitoring_Unit	TFD SAND	TFD SAND	MADE GROUND	RMF	GLACIAL	RMF	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	RMF
Chem_Group	ChemName	output unit	Controlled Waters GAC_DWS (Groundwater)											
	2,4,5-trichlorophenol	µg/L	1.200[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	2,4,6-trichlorophenol	µg/L	200[#5]	<1	-	<1	<1	-	-	-	-	-	<1	-
	4-chloro-3-methylphenol	µg/L	1.400[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	4-nitrophenol	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Pentachlorophenol	µg/L	9[#5]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Phenol	µg/L	5.800[#3]	<1	-	<1	<1	-	-	-	-	-	3.8	-
	2-chloronaphthalene	µg/L	750[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	2-methylnaphthalene	µg/L	36[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Bis(2-ethylhexyl) phthalate	µg/L	8[#5]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Butyl benzyl phthalate	µg/L	16[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Di-n-butyl phthalate	µg/L	900[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Di-n-octyl phthalate	µg/L	200[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Diethylphthalate	µg/L	15.000[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Dimethyl phthalate	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	2-nitroaniline	µg/L	190[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	3-nitroaniline	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	4-bromophenyl phenyl ether	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	4-chlorophenyl phenyl ether	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	4-nitroaniline	µg/L	3.8[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Azobenzene	µg/L	0.12[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Bis(2-chloroethoxy) methane	µg/L	59[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Carbazole	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Dibenzofuran	µg/L	7.9[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Hexachlorocyclopentadiene	µg/L	0.41[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1-Methylnaphthalene	µg/L	1.1[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Benzyl alcohol	µg/L	2.000[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Bis(2-chloroisopropyl)ether	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Total Monohydric Phenols (S) Corrected	µg/L		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
	Diphenylamine	µg/L	1.300[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
PCBs	PCB 118+123	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB congener 28 + 31	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	µg/L	0.006[#3]	-	-	-	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	µg/L	0.0004[#3]	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	µg/L	0.004[#3]	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	µg/L	0.004[#3]	-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	µg/L	0.0000012[#3]	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	µg/L	0.004[#3]	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	µg/L	0.004[#3]	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	µg/L	0.004[#3]	-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	µg/L	0.000004[#3]	-	-	-	-	-	-	-	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	µg/L	0.004[#3]	-	-	-	-	-	-	-	-	-	-	-
	Total PCB WHO 12	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB 52	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB 101	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB 138	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB 153	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB 180	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	µg/L		-	-	-	-	-	-	-	-	-	-	-
Explosives	1,3-Dinitrobenzene	µg/L	2[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	2,4-Dinitrotoluene	µg/L	0.24[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	2,6-dinitrotoluene	µg/L	0.049[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
Metals	Arsenic (Filtered)	µg/L	10[#2]	8.4	2.6	1.1	0.58	7.7	1.9	**10**	**24**	**11**	8.9	5.2
	Beryllium (Filtered)	µg/L	12[#5]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Boron (Filtered)	µg/L	1.000[#2]	210	700	360	180	300	660	360	17	76	80	<12
	Cadmium (Filtered)	µg/L	5[#2]	<0.03	<0.03	0.13	<0.03	<0.03	<0.03	<0.03	0.08	<0.03	<0.03	<0.03

Round 1
Groundwater Chemical Results Screened Against GAC Protective of Groundwater Quality (DWS)

			Field_ID	MS\BH09D	MS\BH11D	MS\BH11S	MS\BH12D	MS\BH12S	MS\BH13D	MS\BH13S	MS\BH14	MS\BH15D	MS\BH15S	MS\BH17D
			Location_Code	MS\BH09	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13	MS\BH14	MS\BH15	MS\BH15	MS\BH17
			Well	D	D	S	D	S	D	S	-	D	S	D
			Sampled_Date_Time	13/08/2021	11/08/2021	12/08/2021	13/08/2021	11/08/2021	12/08/2021	12/08/2021	10/08/2021	13/08/2021	13/08/2021	10/08/2021
			Monitoring_Unit	TFD SAND	TFD SAND	MADE GROUND	RMF	GLACIAL	RMF	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	RMF
Chem_Group	**ChemName**	**output unit**	Controlled Waters GAC_DWS (Groundwater)											
	Copper (Filtered)	µg/L	**2.000**[#2]	<0.4	<0.4	<0.4	1.7	0.4	<0.4	<0.4	0.7	<0.4	0.8	0.8
	Iron (Filtered)	µg/L	**200**[#2]	16	20	12	11	16	**1200**	91	16	8.6	14	22
	Lead (Filtered)	µg/L	**10**[#2]	0.09	0.1	1.8	0.49	<0.09	<0.09	<0.09	0.19	<0.09	0.19	0.1
	Mercury (Filtered)	µg/L	**1**[#2]	0.05	0.07	0.05	<0.01	0.08	<0.01	0.03	0.41	0.1	0.14	0.19
	Nickel (Filtered)	µg/L	**20**[#2]	1.6	2.3	1.4	4.4	3.1	11	0.9	5.2	0.7	0.9	2.2
	Selenium (Filtered)	µg/L	**10**[#2]	7.1	1.6	0.96	2.5	**28**	2	0.6	3.2	9.2	6.5	4.7
	Vanadium (Filtered)	µg/L	**86**[#3]	8.1	16	-	0.9	54	-	-	63	1.1	**93**	59
	Zinc (Filtered)	µg/L	**6.000**[#3]	4.4	1.8	220	3	3.2	8.7	6.3	<1.3	4.4	9.2	<1.3
	Chromium (hexavalent)	µg/L	**50**[#2]	<7	<7	<7	11	<7	<7	<7	<7	<7	<7	<7
	Chromium (Trivalent) (Filtered)	µg/L	**50**[#2]	<1	<1	4.3	<1	<1	<1	<1	<1	<1	<1	<1
Inorganics	Sulphate, Total Potential as SO4	µg/l	**250,000**	160,000	67,000	**770000**	130,000	160,000	**1300000**	**280000**	**540000**	130,000	**1100000**	**890000**
	Cyanide (Free)	mg/L	**0.05**[#2]	<0.02 - 0.0004	<0.02 - 0.0005	0.0001	<0.02 - 0.0005	<0.0001	0.0008	0.0044	<0.02 - 0.0005	<0.02 - 0.0002	<0.02 - 0.0001	<0.02 - 0.0007
	Cyanide Total	mg/L	**0.05**[#2]	<0.04	<0.04	-	<0.04	<0.04	-	-	<0.04	<0.04	<0.04	<0.04
	Thiocyanate	mg/L	**0.004**[#3]	**0.15**	**0.17**	-	<0.02	<0.02	-	-	**0.17**	**0.17**	**0.23**	**0.11**
	Nitrate (as NO3-)	mg/L	**50**[#2]	<0.1	-	-	-	<0.1	-	-	0.28	-	-	0.98
	Nitrite (as NO2-)	mg/L	**0.5**[#2]	<0.1	-	-	-	**0.69**	-	-	<0.1	-	-	<0.1
	Nitrate (as N)	mg/L		-	0.15	0.28	0.83	-	0.21	0.15	-	0.39	0.35	-
	Nitrite (as N)	mg/L		-	<0.035	<0.035	<0.035	-	<0.035	<0.035	-	<0.035	0.27	-
	Sulphur as S	mg/L		50	-	290	37	-	570	-	180	-	380	300
	Ammoniacal Nitrogen as N	mg/L	**0.5**	**1.9**	**1.8**	0.16	0.13	**0.66**	**2.6**	**2**	**0.79**	**1.3**	**0.57**	0.28
	Ammoniacal Nitrogen as NH3	mg/L		2.3	2.2	0.19	0.16	0.8	3.2	2.4	0.96	1.6	0.69	0.35
	Total Hardness as CaCO3	mg/L		30.3	95.4	725	437	142	3390	370	593	1040	931	1020
Other	TOC	mg/L		36	39	31	<1	100	3.9	8.2	7.6	4.6	6.1	16
Field	pH	pH_Units		9.7	8.4	7.9	11.9	11.2	7.2	8.5	10.9	9.7	10.7	11.2
MISC	Bis(2-ethylhexyl)esther	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,4-dinitrobenzene	µg/L	**2**[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	3/4-Methylphenol (m/p-cresol)	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-

Env Stds Comments
#1:WHO Petroleum DWG 2008
#2:WS Regs 2016 (Eng/Wal)
#3:USEPA RSL (tapwater) [May 2020]
#4:AECOM DWG (WHO method)
#5:WHO DWG 2017

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

XXX Exceedance of GAC - DWS - England/Wales

			Field_ID								
			Location_Code								
			Well								
			Sampled_Date_Time								
			Monitoring_Unit								
			Controlled Waters GAC_DWS (Groundwater)	Statistical Summary							
Chem_Group	ChemName	output unit		Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
TPH	EPH >C10-C40	µg/L		22	17	<10	3500	360	140	746	0	0
	>C5-C6 Aliphatics	µg/L	15.000[#1]	22	1	<0.1	120	5.5	0.05	26	0	0
	>C6-C8 Aliphatics	µg/L	15.000[#1]	22	1	<0.1	210	9.6	0.05	45	0	0
	>C8-C10 Aliphatics	µg/L	300[#1]	22	2	<0.1	15	0.76	0.05	3.2	0	0
	>C10-C12 Aliphatics	µg/L	300[#1]	22	10	<1	110	12	0.5	25	0	0
	>C12-C16 Aliphatics	µg/L	300[#1]	22	10	<1	18	3.7	0.5	5.2	0	0
	>C16-C21 Aliphatics	µg/L	300[#1]	22	11	<1	30	8	2.7	9.9	0	0
	>C16-C35 Aliphatics	µg/L		22	11	<2	36	10	3.5	12	0	0
	>C21-C35 Aliphatics	µg/L	300[#1]	22	7	<1	14	2.3	0.5	3.8	0	0
	>C5-C35 Aliphatics	µg/L		22	11	<10	340	43	12.5	74	0	0
	>EC5-EC7 Aromatics	µg/L	1[#2]	22	2	<0.1	58	2.9	0.05	12	2	2
	>EC7-EC8 Aromatics	µg/L	700[#1]	22	2	<0.1	22	2	0.05	6.2	0	0
	>EC8-EC10 Aromatics	µg/L	300[#1]	22	2	<0.1	250	12	0.05	53	0	0
	>EC10-EC12 Aromatics	µg/L	90[#1]	22	0	<1	<1	0.5	0.5	0	0	0
	>EC12-EC16 Aromatics	µg/L	90[#1]	22	0	<1	<1	0.5	0.5	0	0	0
	>EC16-EC21 Aromatics	µg/L	90[#1]	22	0	<1	<1	0.5	0.5	0	0	0
	>EC21-EC35 Aromatics	µg/L	90[#1]	22	0	<1	<1	0.5	0.5	0	0	0
	>EC5-EC35 Aromatics	µg/L		22	2	<10	330	21	5	69	0	0
	>C5-C35 Aliphatics & Aromatics	µg/L		22	12	<10	670	59	25	140	0	0
VOC	Dichlorodifluoromethane	µg/L	200[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	MTBE	µg/L	1.800[#4]	22	0	<1	<1	0.5	0.5	0	0	0
	Chloromethane	µg/L	190[#3]	12	7	<1	3	1.5	2	0.89	0	0
	Vinyl chloride	µg/L	0.5[#2]	12	0	<1	<1	0.5	0.5	0	12	0
	Bromomethane	µg/L	7.5[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	Chloroethane	µg/L	21.000[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	Trichlorofluoromethane	µg/L	5.200[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	1,1-dichloroethene	µg/L	140[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	Dichloromethane	µg/L	20[#5]	12	0	<27	<27	14	13.5	0	12	0
	trans-1,2-dichloroethene	µg/L	50[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	1,1-dichloroethane	µg/L	2.8[#3]	12	1	<1	1	0.54	0.5	0.14	0	0
	cis-1,2-dichloroethene	µg/L	50[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	2,2-dichloropropane	µg/L		12	0	<2	<2	1	1	0	0	0
	Bromochloromethane	µg/L	83[#3]	12	0	<4	<4	2	2	0	0	0
	Chloroform	µg/L	100[#2]	12	0	<1	<1	0.5	0.5	0	0	0
	1,1,1-trichloroethane	µg/L	2.000[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	1,1-dichloropropene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Carbon tetrachloride	µg/L	3[#2]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2-dichloroethane	µg/L	3[#2]	12	0	<1	<1	0.5	0.5	0	0	0
	Benzene	µg/L	1[#2]	22	3	<1	58	3.4	0.5	12	3	3
	Trichloroethene	µg/L	Use PCE + TCE[#2]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2-dichloropropane	µg/L	40[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	Dibromomethane	µg/L	8.3[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	Bromodichloromethane	µg/L	100[#2]	12	0	<4	<4	2	2	0	0	0
	cis-1,3-dichloropropene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Toluene	µg/L	700[#5]	22	2	<1	22	1.9	0.5	4.7	0	0
	trans-1,3-dichloropropene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,1,2-trichloroethane	µg/L	0.28[#3]	12	0	<1	<1	0.5	0.5	0	12	0
	Tetrachloroethene	µg/L	Use PCE + TCE[#2]	12	0	<1	<1	0.5	0.5	0	0	0
	1,3-dichloropropane	µg/L	370[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	Sum of PCE and TCE	µg/L	10[#2]	12	0	<2	<2	1	1	0	0	0
	Chlorodibromomethane	µg/L	100[#2]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2-dibromoethane	µg/L	0.4[#5]	12	0	<1	<1	0.5	0.5	0	12	0
	Chlorobenzene	µg/L	300[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	1,1,1,2-tetrachloroethane	µg/L	0.57[#3]	12	0	<1	<1	0.5	0.5	0	12	0
	Ethylbenzene	µg/L	300[#5]	22	2	<1	210	10	0.5	45	0	0

			Field_ID								
			Location_Code								
			Well								
			Sampled_Date_Time								
			Monitoring_Unit								
Chem_Group	ChemName	output unit	Controlled Waters GAC_DWS (Groundwater)	Statistical Summary							
				Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
	Xylene (m & p)	µg/L		12	0	<2	<2	1	1	0	0	0
	Xylene Total	µg/L	500[#5]	22	0	<1	<1	0.5	0.5	0	0	0
	Xylene (o)	µg/L	190[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	Styrene	µg/L	20[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	Bromoform	µg/L	100[#2]	12	0	<1	<1	0.5	0.5	0	0	0
	Isopropylbenzene	µg/L	450[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	1,1,2,2-tetrachloroethane	µg/L	0.076[#3]	12	0	<1	<1	0.5	0.5	0	12	0
	Bromobenzene	µg/L	62[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2,3-trichloropropane	µg/L	0.00075[#3]	12	0	<1	<1	0.5	0.5	0	12	0
	n-propylbenzene	µg/L	660[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	2-chlorotoluene	µg/L	240[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	1,3,5-trimethylbenzene	µg/L	60[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	4-chlorotoluene	µg/L	250[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	tert-butylbenzene	µg/L	690[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2,4-trimethylbenzene	µg/L	56[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	sec-butylbenzene	µg/L	2.000[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	p-isopropyltoluene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,3-dichlorobenzene	µg/L		12	0	<2	<2	1	1	0	0	0
	1,4-dichlorobenzene	µg/L	300[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	n-butylbenzene	µg/L	1.000[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2-dichlorobenzene	µg/L	1.000[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2-dibromo-3-chloropropane	µg/L	1[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2,4-trichlorobenzene	µg/L	0.1[#2]	12	0	<1	<1	0.5	0.5	0	12	0
	Hexachlorobutadiene	µg/L	0.1[#2]	12	0	<1	<1	0.5	0.5	0	12	0
	1,2,3-trichlorobenzene	µg/L	0.1[#2]	12	0	<1	<1	0.5	0.5	0	12	0
	1,2-Dichloroethene	µg/L	50[#5]	12	0	<2	<2	1	1	0	0	0
	Trihalomethanes	µg/L	100[#2]	12	0	<7	<7	3.5	3.5	0	0	0
	Hexachlorobenzene	µg/L	0.1[#2]	12	0	<1	<1	0.5	0.5	0	12	0
	Trichlorobenzene (total)	µg/L	0.1[#2]	12	0	<2	<2	1	1	0	12	0
PAH	Naphthalene	µg/L	6[#4]	22	22	0.06	4.9	0.46	0.185	1	0	0
	Acenaphthylene	µg/L	18[#4]	22	6	<0.01	0.1	0.011	0.005	0.02	0	0
	Acenaphthene	µg/L	18[#4]	22	20	<0.01	2.3	0.2	0.06	0.49	0	0
	Fluorene	µg/L	12[#4]	22	22	0.01	0.52	0.063	0.025	0.11	0	0
	Phenanthrene	µg/L	4[#4]	22	11	<0.01	2.6	0.15	0.0075	0.55	0	0
	Anthracene	µg/L	90[#4]	22	5	<0.01	0.19	0.016	0.005	0.039	0	0
	Fluoranthene	µg/L	4[#5]	22	12	<0.01	0.24	0.027	0.01	0.052	0	0
	Pyrene	µg/L	9[#4]	22	15	<0.01	0.14	0.024	0.01	0.034	0	0
	Benz(a)anthracene	µg/L	3.5[#4]	22	2	<0.01	0.02	0.0059	0.005	0.0033	0	0
	Chrysene	µg/L	7[#4]	22	2	<0.01	0.02	0.0059	0.005	0.0033	0	0
	Benzo(a) pyrene	µg/L	0.01[#2]	22	0	<0.01	<0.01	0.005	0.005	0	0	0
	Indeno(1,2,3-c,d)pyrene	µg/L	Use PAHs (sum of 4)[#2]	22	0	<0.01	<0.01	0.005	0.005	0	0	0
	Dibenz(a,h)anthracene	µg/L	0.07[#4]	22	1	<0.01	0.01	0.0052	0.005	0.0011	0	0
	Benzo(g,h,i)perylene	µg/L	Use PAHs (sum of 4)[#2]	22	2	<0.01	0.01	0.0055	0.005	0.0015	0	0
	Benzo(b)fluoranthene	µg/L	Use PAHs (sum of 4)[#2]	22	0	<0.01	<0.01	0.005	0.005	0	0	0
	Benzo(k)fluoranthene	µg/L	Use PAHs (sum of 4)[#2]	22	0	<0.01	<0.01	0.005	0.005	0	0	0
	Benzo(b)&(k)fluoranthene	µg/L		22	0	<0.02	<0.02	0.01	0.01	0	0	0
	PAHs (sum of 4)	µg/L	0.1[#2]	22	2	<0.04	0.04	0.022	0.02	0.0059	0	0
	PAH 16 Total	µg/L		22	19	<0.2	6.8	0.93	0.385	1.7	0	0
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	µg/L		22	2	<0.02	0.02	0.011	0.01	0.0029	0	0
	Benzo(a)pyrene (surrogate marker for PAH mixture)	µg/L		22	0	<0.01	<0.01	0.005	0.005	0	0	0
SVOC	2,3,5,6-Tetrachlorophenol	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2-chlorophenol	µg/L	91[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	2-methylphenol	µg/L	930[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	2,4-dichlorophenol	µg/L	46[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	2,4-dimethylphenol	µg/L	360[#3]	12	0	<1	<1	0.5	0.5	0	0	0

			Field_ID								
			Location_Code								
			Well								
			Sampled_Date_Time								
			Monitoring_Unit								
Chem_Group	ChemName	output unit	Controlled Waters GAC_DWS (Groundwater)	Statistical Summary							
				Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
	2,4,5-trichlorophenol	µg/L	1.200#3	12	0	<1	<1	0.5	0.5	0	0	0
	2,4,6-trichlorophenol	µg/L	200#5	12	0	<1	<1	0.5	0.5	0	0	0
	4-chloro-3-methylphenol	µg/L	1.400#3	12	0	<1	<1	0.5	0.5	0	0	0
	4-nitrophenol	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Pentachlorophenol	µg/L	9#5	12	1	<1	1.4	0.58	0.5	0.26	0	0
	Phenol	µg/L	5.800#3	12	7	<1	7.9	2.7	2.5	2.4	0	0
	2-chloronaphthalene	µg/L	750#3	12	0	<1	<1	0.5	0.5	0	0	0
	2-methylnaphthalene	µg/L	36#3	12	0	<1	<1	0.5	0.5	0	0	0
	Bis(2-ethylhexyl) phthalate	µg/L	8#5	12	0	<1	<1	0.5	0.5	0	0	0
	Butyl benzyl phthalate	µg/L	16#3	12	0	<1	<1	0.5	0.5	0	0	0
	Di-n-butyl phthalate	µg/L	900#3	12	0	<1	<1	0.5	0.5	0	0	0
	Di-n-octyl phthalate	µg/L	200#3	12	0	<1	<1	0.5	0.5	0	0	0
	Diethylphthalate	µg/L	15.000#3	12	0	<1	<1	0.5	0.5	0	0	0
	Dimethyl phthalate	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2-nitroaniline	µg/L	190#3	12	0	<1	<1	0.5	0.5	0	0	0
	3-nitroaniline	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	4-bromophenyl phenyl ether	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	4-chlorophenyl phenyl ether	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	4-nitroaniline	µg/L	3.8#3	12	0	<1	<1	0.5	0.5	0	0	0
	Azobenzene	µg/L	0.12#3	12	0	<1	<1	0.5	0.5	0	12	0
	Bis(2-chloroethoxy) methane	µg/L	59#3	12	0	<1	<1	0.5	0.5	0	0	0
	Carbazole	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Dibenzofuran	µg/L	7.9#3	12	0	<1	<1	0.5	0.5	0	0	0
	Hexachlorocyclopentadiene	µg/L	0.41#3	12	0	<1	<1	0.5	0.5	0	12	0
	1-Methylnaphthalene	µg/L	1.1#3	12	0	<1	<1	0.5	0.5	0	0	0
	Benzyl alcohol	µg/L	2.000#3	12	3	<1	2.2	0.83	0.5	0.62	0	0
	Bis(2-chloroisopropyl)ether	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Total Monohydric Phenols (S) Corrected	µg/L		22	0	<100	<100	50	50	0	0	0
	Diphenylamine	µg/L	1.300#3	12	0	<1	<1	0.5	0.5	0	0	0
PCBs	PCB 118+123	µg/L		2	0	<0.6	<0.6		0.3		0	0
	PCB congener 28 + 31	µg/L		2	0	<0.3	<0.3		0.15		0	0
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	µg/L	0.006#3	2	0	<0.3	<0.3		0.15		2	0
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	µg/L	0.0004#3	2	0	<0.2	<0.2		0.1		2	0
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	µg/L	0.004#3	2	0	<0.2	<0.2		0.1		2	0
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	µg/L	0.004#3	2	0	<0.3	<0.3		0.15		2	0
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	µg/L	0.0000012#3	2	0	<0.5	<0.5		0.25		2	0
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	µg/L	0.004#3	2	0	<0.3	<0.3		0.15		2	0
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	µg/L	0.004#3	2	0	<0.2	<0.2		0.1		2	0
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	µg/L	0.004#3	2	0	<0.3	<0.3		0.15		2	0
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	µg/L	0.000004#3	2	0	<0.2	<0.2		0.1		2	0
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	µg/L	0.004#3	2	0	<0.3	<0.3		0.15		2	0
	Total PCB WHO 12	µg/L		2	0	<1	<1		0.5		0	0
	PCB 52	µg/L		2	0	<0.2	<0.2		0.1		0	0
	PCB 101	µg/L		2	0	<0.3	<0.3		0.15		0	0
	PCB 138	µg/L		2	0	<0.2	<0.2		0.1		0	0
	PCB 153	µg/L		2	0	<0.2	<0.2		0.1		0	0
	PCB 180	µg/L		2	0	<0.2	<0.2		0.1		0	0
	Total PCB 7 Congeners	µg/L		2	0	<1	<1		0.5		0	0
Explosives	1,3-Dinitrobenzene	µg/L	2#3	12	0	<1	<1	0.5	0.5	0	0	0
	2,4-Dinitrotoluene	µg/L	0.24#3	12	0	<1	<1	0.5	0.5	0	12	0
	2,6-dinitrotoluene	µg/L	0.049#3	12	0	<1	<1	0.5	0.5	0	12	0
Metals	Arsenic (Filtered)	µg/L	10#2	22	22	0.58	24	6.7	5.8	5.4	5	5
	Beryllium (Filtered)	µg/L	12#5	22	0	<0.1	<0.1	0.05	0.05	0	0	0
	Boron (Filtered)	µg/L	1.000#2	22	21	<12	700	311	290	201	0	0
	Cadmium (Filtered)	µg/L	5#2	22	5	<0.03	0.13	0.029	0.015	0.031	0	0

Round 1
Groundwater Chemical Results Screened Against GAC Protective of Groundwater Quality (DWS)

			Field_ID								
			Location_Code								
			Well								
			Sampled_Date_Time								
			Monitoring_Unit								
			Controlled Waters GAC_DWS (Groundwater)	Statistical Summary							
Chem_Group	**ChemName**	**output unit**		Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
	Copper (Filtered)	µg/L	**2.000**[#2]	22	7	<0.4	2	0.45	0.2	0.5	0	0
	Iron (Filtered)	µg/L	**200**[#2]	22	22	8.6	1200	140	18	312	3	3
	Lead (Filtered)	µg/L	**10**[#2]	22	13	<0.09	1.8	0.19	0.095	0.37	0	0
	Mercury (Filtered)	µg/L	**1**[#2]	22	18	<0.01	0.72	0.13	0.065	0.17	0	0
	Nickel (Filtered)	µg/L	**20**[#2]	22	22	0.6	22	3.5	1.9	4.8	1	1
	Selenium (Filtered)	µg/L	**10**[#2]	22	22	0.29	28	8.3	4.7	9.5	5	5
	Vanadium (Filtered)	µg/L	**86**[#3]	19	17	<0.6	93	20	8.1	27	1	1
	Zinc (Filtered)	µg/L	**6.000**[#3]	22	20	<1.3	220	14	3.45	46	0	0
	Chromium (hexavalent)	µg/L	**50**[#2]	22	5	<7	120	16	3.5	30	3	3
	Chromium (Trivalent) (Filtered)	µg/L	**50**[#2]	22	1	<1	4.3	0.67	0.5	0.81	0	0
Inorganics	Sulphate, Total Potential as SO4	µg/l	**250,000**	22	22	67000	2700000	694682	700000	600606	15	15
	Cyanide (Free)	mg/L	**0.05**[#2]	22	20	<0.0001	0.0044	0.0044	0.00525	0.0021	0	0
	Cyanide Total	mg/L	**0.05**[#2]	19	1	<0.04	0.042	0.021	0.02	0.005	0	0
	Thiocyanate	mg/L	**0.004**[#3]	19	13	<0.02	2.3	0.21	0.052	0.52	19	13
	Nitrate (as NO3-)	mg/L	**50**[#2]	6	4	<0.1	1.5	0.54	0.34	0.58	0	0
	Nitrite (as NO2-)	mg/L	**0.5**[#2]	6	2	<0.1	0.69	0.22	0.05	0.28	1	1
	Nitrate (as N)	mg/L		16	16	0.15	0.83	0.29	0.255	0.16	0	0
	Nitrite (as N)	mg/L		16	3	<0.035	0.27	0.05	0.0175	0.083	0	0
	Sulphur as S	mg/L		13	13	37	570	276	300	172	0	0
	Ammoniacal Nitrogen as N	mg/L	**0.5**	22	22	0.015	10	1.2	0.52	2.1	11	11
	Ammoniacal Nitrogen as NH3	mg/L		22	22	0.019	13	1.5	0.635	2.7	0	0
	Total Hardness as CaCO3	mg/L		22	22	30.3	3390	806	711	770	0	0
Other	TOC	mg/L		22	19	<1	100	23	14	25	0	0
Field	pH	pH_Units		22	22	7.2	12.2	9.5	9.45	1.6	0	0
MISC	Bis(2-ethylhexyl)esther	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,4-dinitrobenzene	µg/L	**2**[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	3/4-Methylphenol (m/p-cresol)	µg/L		12	0	<1	<1	0.5	0.5	0	0	0

Env Stds Comments
#1:WHO Petroleum DWG 2008
#2:WS Regs 2016 (Eng/Wal)
#3:USEPA RSL (tapwater) [May 2020]
#4:AECOM DWG (WHO method)
#5:WHO DWG 2017

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

XXX Exceedance of GAC - DWS - England/Wales

			Field_ID	LF\BH01D	LF\BH01S	MS\BH03D	MS\BH03S	MS\BH04D	MS\BH04S	MS\BH05D	MS\BH05S	MS\BH07D	MS\BH07S	MS\BH08D
			Location_Code	LF\BH01	LF\BH01	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH05	MS\BH05	MS\BH07	MS\BH07	MS\BH08
			Well	D	S	D	S	D	S	D	S	D	S	D
			Sampled_Date_Time	13/08/2021	13/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	11/08/2021
			Monitoring_Unit	RMF	TFD SAND	RMF	TFD SAND	GLACIAL	TFD SAND	RMF	TFD SAND	TFD SAND	MADE GROUND	TFD SAND
Chem_Group	ChemName	output unit	Controlled Waters GAC_EQS-Coast (Surface Water)											
TPH	EPH >C10-C40	µg/L		280	210	3500	170	<10	<10	1000	370	120	280	54
	>C5-C6 Aliphatics	µg/L		<0.1	<0.1	120	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C6-C8 Aliphatics	µg/L		<0.1	<0.1	210	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C8-C10 Aliphatics	µg/L		<0.1	<0.1	15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C10-C12 Aliphatics	µg/L		6.4	<1	<1	<1	<1	14	6	<1	<1	<1	33
	>C12-C16 Aliphatics	µg/L		4.6	<1	<1	<1	<1	5.4	13	<1	<1	<1	8.6
	>C16-C21 Aliphatics	µg/L		20	<1	<1	<1	<1	8.2	13	<1	<1	<1	8.2
	>C16-C35 Aliphatics	µg/L		25.9	<2	<2	<2	<2	9.7	27	<2	<2	<2	9.2
	>C21-C35 Aliphatics	µg/L		5.9	<1	<1	<1	<1	1.5	14	<1	<1	<1	<1
	>C5-C35 Aliphatics	µg/L		37	<10	340	<10	<10	30	46	<10	<10	<10	51
	>EC5-EC7 Aromatics	µg/L	8[#1]	<0.1	<0.1	58	<0.1	<0.1	<0.1	<0.1	5.2	<0.1	<0.1	<0.1
	>EC7-EC8 Aromatics	µg/L	74[#2]	<0.1	<0.1	20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>EC8-EC10 Aromatics	µg/L		<0.1	<0.1	250	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>EC10-EC12 Aromatics	µg/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC12-EC16 Aromatics	µg/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC16-EC21 Aromatics	µg/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC21-EC35 Aromatics	µg/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC5-EC35 Aromatics	µg/L		<10	<10	330	<10	<10	<10	<10	<10	<10	<10	<10
	>C5-C35 Aliphatics & Aromatics	µg/L		37	<10	670	<10	<10	30	47	<10	<10	<10	51
VOC	Dichlorodifluoromethane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	MTBE	µg/L	260[#3]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Chloromethane	µg/L		<1	<1	-	2	-	2	-	2	2	2	3
	Vinyl chloride	µg/L	8[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bromomethane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Chloroethane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Trichlorofluoromethane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1-dichloroethene	µg/L	1[#3]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Dichloromethane	µg/L	20[#1]	<27	<27	-	<27	-	<27	-	<27	<27	<27	<27
	trans-1,2-dichloroethene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1-dichloroethane	µg/L		<1	<1	-	<1	-	<1	-	1	<1	<1	<1
	cis-1,2-dichloroethene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,2-dichloropropane	µg/L		<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
	Bromochloromethane	µg/L		<4	<4	-	<4	-	<4	-	<4	<4	<4	<4
	Chloroform	µg/L	2.5[#1]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1,1-trichloroethane	µg/L	100[#4]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1-dichloropropene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Carbon tetrachloride	µg/L	12[#1]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-dichloroethane	µg/L	10[#1]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Benzene	µg/L	8[#1]	<1	<1	58	<1	<1	<1	<1	5 - 5.2	<1	<1	<1
	Trichloroethene	µg/L	10[#1]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-dichloropropane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Dibromomethane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bromodichloromethane	µg/L		<4	<4	-	<4	-	<4	-	<4	<4	<4	<4
	cis-1,3-dichloropropene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Toluene	µg/L	74[#2]	<1	<1	20	<1	<1	<1	<1	<1	<1	<1	<1
	trans-1,3-dichloropropene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1,2-trichloroethane	µg/L	300[#4]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Tetrachloroethene	µg/L	10[#1]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,3-dichloropropane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Sum of PCE and TCE	µg/L		<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
	Chlorodibromomethane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-dibromoethane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Chlorobenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1,1,2-tetrachloroethane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Ethylbenzene	µg/L	20[#4]	<1	<1	210	<1	<1	<1	<1	<1	<1	<1	<1

			Field_ID	LF\BH01D	LF\BH01S	MS\BH03D	MS\BH03S	MS\BH04D	MS\BH04S	MS\BH05D	MS\BH05S	MS\BH07D	MS\BH07S	MS\BH08D
			Location_Code	LF\BH01	LF\BH01	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH05	MS\BH05	MS\BH07	MS\BH07	MS\BH08
			Well	D	S	D	S	D	S	D	S	D	S	D
			Sampled_Date_Time	13/08/2021	13/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	11/08/2021
			Monitoring_Unit	RMF	TFD SAND	RMF	TFD SAND	GLACIAL	TFD SAND	RMF	TFD SAND	TFD SAND	MADE GROUND	TFD SAND
Chem_Group	**ChemName**	**output unit**	Controlled Waters GAC_EQS-Coast (Surface Water)											
	Xylene (m & p)	µg/L		<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
	Xylene Total	µg/L	30[#4]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Xylene (o)	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Styrene	µg/L	50[#4]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bromoform	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Isopropylbenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,1,2,2-tetrachloroethane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bromobenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2,3-trichloropropane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	n-propylbenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2-chlorotoluene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,3,5-trimethylbenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-chlorotoluene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	tert-butylbenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2,4-trimethylbenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	sec-butylbenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	p-isopropyltoluene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,3-dichlorobenzene	µg/L		<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
	1,4-dichlorobenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	n-butylbenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-dichlorobenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-dibromo-3-chloropropane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2,4-trichlorobenzene	µg/L	Refer to 'Trichlorobenzene (total)'[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Hexachlorobutadiene	µg/L	0.6[#6]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2,3-trichlorobenzene	µg/L	Refer to 'Trichlorobenzene (total)'[#5]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,2-Dichloroethene	µg/L		<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
	Trihalomethanes	µg/L		<7	<7	-	<7	-	<7	-	<7	<7	<7	<7
	Hexachlorobenzene	µg/L	0.05[#6]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Trichlorobenzene (total)	µg/L	0.4[#1]	<2	<2	-	<2	-	<2	-	<2	<2	<2	<2
PAH	Naphthalene	µg/L	2[#1]	0.12	0.16	0.31	0.09	0.46	0.22	0.28	0.12	0.15	0.12	0.42
	Acenaphthylene	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	µg/L		0.05	0.06	<0.01	0.01	0.09	0.04	0.01	0.01	0.17	0.12	0.08
	Fluorene	µg/L		0.02	0.02	0.08	0.01	0.04	0.01	0.03	0.02	0.06	0.07	0.02
	Phenanthrene	µg/L		<0.01	<0.01	0.2	<0.01	0.01	<0.01	0.03	<0.01	<0.01	0.02	<0.01
	Anthracene	µg/L	0.1[#1]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
	Fluoranthene	µg/L	0.0063[#1]	<0.01	0.01	<0.01	<0.01	0.02	<0.01	0.02	<0.01	<0.01	0.01	<0.01
	Pyrene	µg/L		<0.01	0.01	0.02	<0.01	0.02	<0.01	0.02	<0.01	<0.01	0.02	<0.01
	Benz(a)anthracene	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Chrysene	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(a) pyrene	µg/L	0.00017[#1]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno(1,2,3-c,d)pyrene	µg/L	see BaP and notes[#5]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenz(a,h)anthracene	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(g,h,i)perylene	µg/L	0.00082[#6]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(b)fluoranthene	µg/L	0.017[#6]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(k)fluoranthene	µg/L	0.017[#6]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(b)&(k)fluoranthene	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	PAHs (sum of 4)	µg/L		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
	PAH 16 Total	µg/L		<0.2	0.26	0.61	<0.2	0.63	0.28	0.39	<0.2	0.38	0.36	0.52
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	Benzo(a)pyrene (surrogate marker for PAH mixture)	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SVOC	2,3,5,6-Tetrachlorophenol	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2-chlorophenol	µg/L	50[#4]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2-methylphenol	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,4-dichlorophenol	µg/L	0.42[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1

			Field_ID	LF\BH01D	LF\BH01S	MS\BH03D	MS\BH03S	MS\BH04D	MS\BH04S	MS\BH05D	MS\BH05S	MS\BH07D	MS\BH07S	MS\BH08D
			Location_Code	LF\BH01	LF\BH01	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH05	MS\BH05	MS\BH07	MS\BH07	MS\BH08
			Well	D	S	D	S	D	S	D	S	D	S	D
			Sampled_Date_Time	13/08/2021	13/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	11/08/2021
			Monitoring_Unit	RMF	TFD SAND	RMF	TFD SAND	GLACIAL	TFD SAND	RMF	TFD SAND	TFD SAND	MADE GROUND	TFD SAND
Chem_Group	ChemName	output unit	Controlled Waters GAC_EQS-Coast (Surface Water)											
	2,4-dimethylphenol	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,4,5-trichlorophenol	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,4,6-trichlorophenol	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-chloro-3-methylphenol	µg/L	40[#4]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-nitrophenol	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Pentachlorophenol	µg/L	0.4[#1]	<1	1.4	-	<1	-	<1	-	<1	<1	<1	<1
	Phenol	µg/L	7.7[#2]	4.4	7.9	-	3	-	<1	-	3.7	2	5	<1
	2-chloronaphthalene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2-methylnaphthalene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bis(2-ethylhexyl) phthalate	µg/L	1.3[#1]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Butyl benzyl phthalate	µg/L	0.75[#2]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Di-n-butyl phthalate	µg/L	8[#4]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Di-n-octyl phthalate	µg/L	20[#4]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Diethylphthalate	µg/L	200[#4]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Dimethyl phthalate	µg/L	800[#4]	<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2-nitroaniline	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	3-nitroaniline	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-bromophenyl phenyl ether	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-chlorophenyl phenyl ether	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	4-nitroaniline	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Azobenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Bis(2-chloroethoxy) methane	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Carbazole	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Dibenzofuran	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Hexachlorocyclopentadiene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1-Methylnaphthalene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Benzyl alcohol	µg/L		1.7	2.2	-	<1	-	<1	-	1.6	<1	<1	<1
	Bis(2-chloroisopropyl)ether	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	Total Monohydric Phenols (S) Corrected	µg/L		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
	Diphenylamine	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
PCBs	PCB 118+123	µg/L		-	-	-	-	-	-	-	-	<0.6	<0.6	-
	PCB congener 28 + 31	µg/L		-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	µg/L		-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	µg/L		-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	µg/L		-	-	-	-	-	-	-	-	<0.5	<0.5	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	µg/L		-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	µg/L		-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	µg/L		-	-	-	-	-	-	-	-	<0.3	<0.3	-
	Total PCB WHO 12	µg/L		-	-	-	-	-	-	-	-	<1	<1	-
	PCB 52	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	PCB 101	µg/L		-	-	-	-	-	-	-	-	<0.3	<0.3	-
	PCB 138	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	PCB 153	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	PCB 180	µg/L		-	-	-	-	-	-	-	-	<0.2	<0.2	-
	Total PCB 7 Congeners	µg/L		-	-	-	-	-	-	-	-	<1	<1	-
Explosives	1,3-Dinitrobenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,4-Dinitrotoluene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	2,6-dinitrotoluene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
Metals	Arsenic (Filtered)	µg/L	25[#2]	8.3	7	2.8	4.1	1.9	2.6	2.6	4.4	6.4	13	13
	Beryllium (Filtered)	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

			Field_ID	LF\BH01D	LF\BH01S	MS\BH03D	MS\BH03S	MS\BH04D	MS\BH04S	MS\BH05D	MS\BH05S	MS\BH07D	MS\BH07S	MS\BH08D
			Location_Code	LF\BH01	LF\BH01	MS\BH03	MS\BH03	MS\BH04	MS\BH04	MS\BH05	MS\BH05	MS\BH07	MS\BH07	MS\BH08
			Well	D	S	D	S	D	S	D	S	D	S	D
			Sampled_Date_Time	13/08/2021	13/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/08/2021	11/08/2021
			Monitoring_Unit	RMF	TFD SAND	RMF	TFD SAND	GLACIAL	TFD SAND	RMF	TFD SAND	TFD SAND	MADE GROUND	TFD SAND
Chem_Group	ChemName	output unit	Controlled Waters GAC_EQS-Coast (Surface Water)											
	Boron (Filtered)	µg/L	7.000[#4]	260	220	73	390	570	590	280	280	380	380	460
	Cadmium (Filtered)	µg/L	0.2[#1]	0.05	0.05	0.08	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	Copper (Filtered)	µg/L	3.76[#2]	<0.4	0.5	2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
	Iron (Filtered)	µg/L	1.000[#2]	29	12	70	14	510	870	13	44	26	41	14
	Lead (Filtered)	µg/L	1.3[#1]	<0.09	0.14	0.13	<0.09	<0.09	<0.09	0.09	0.11	0.1	0.16	<0.09
	Mercury (Filtered)	µg/L	0.07[#6]	**0.19**	**0.23**	0.03	0.07	<0.01	<0.01	**0.72**	0.02	0.03	**0.33**	0.06
	Nickel (Filtered)	µg/L	8.6[#1]	6.5	4.4	**22**	1	0.9	0.6	1	2.9	0.7	2.7	1.5
	Selenium (Filtered)	µg/L		4.9	15	27	4.7	0.71	0.29	24	0.69	8.2	27	3.8
	Vanadium (Filtered)	µg/L	100[#4]	15	15	1.7	14	<0.6	<0.6	14	1.3	2.3	7.6	4.5
	Zinc (Filtered)	µg/L	6.8[#2]	2.8	1.6	6	1.7	1.9	2.8	6.2	4.8	5.1	3.7	1.8
	Chromium (hexavalent)	µg/L	0.6[#2]	**83**	**50**	**120**	<7	<7	<7	**19**	<7	<7	<7	<7
	Chromium (Trivalent) (Filtered)	µg/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Inorganics	Sulphate, Total Potential as SO4	µg/l		390,000	690,000	1,100,000	920,000	2,700,000	1,000,000	210,000	96,000	840,000	1,100,000	710,000
	Cyanide (Free)	mg/L	0.001[#4]	<0.0001	<0.02 - 0.0002	<0.02 - 0.0002	<0.02 - 0.0005	**<0.02 - 0.001**	<0.02 - 0.0005	**<0.02 - 0.0013**	<0.02 - 0.0006	**<0.02 - 0.0043**	**<0.02 - 0.0012**	<0.02 - 0.0007
	Cyanide Total	mg/L	0.001[#2]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	**0.042**	<0.04	<0.04	<0.04
	Thiocyanate	mg/L		0.025	0.1	0.026	<0.02	<0.02	<0.02	0.41	2.3	<0.02	0.052	0.044
	Nitrate (as NO3-)	mg/L		-	-	-	-	-	-	1.5	0.4	-	-	-
	Nitrite (as NO2-)	mg/L		-	-	-	-	-	-	<0.1	0.45	-	-	-
	Nitrate (as N)	mg/L		0.19	0.37	0.24	0.2	0.31	0.27	-	-	0.28	0.22	0.17
	Nitrite (as N)	mg/L		0.052	<0.035	0.25	<0.035	<0.035	<0.035	-	-	<0.035	<0.035	<0.035
	Sulphur as S	mg/L		150	-	490	310	-	380	51	-	-	400	-
	Ammoniacal Nitrogen as N	mg/L	0.021 (unionised ammonia)[#2]	**0.23**	**0.062**	**0.12**	**0.19**	**0.12**	0.015	**0.27**	**10**	**1.2**	**0.47**	**1.2**
	Ammoniacal Nitrogen as NH3	mg/L		0.28	0.075	0.14	0.23	0.15	0.019	0.32	13	1.5	0.58	1.5
	Total Hardness as CaCO3	mg/L		518	772	2170	806	1160	1380	75.8	45.7	697	945	388
Other	TOC	mg/L		<1	68	<1	43	30	15	2.2	12	13	38	32
Field	pH	pH_Units		11.4	11	12.2	8.6	8.2	7.7	10.3	9.2	8.3	8	7.8
MISC	Bis(2-ethylhexyl)esther	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	1,4-dinitrobenzene	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1
	3/4-Methylphenol (m/p-cresol)	µg/L		<1	<1	-	<1	-	<1	-	<1	<1	<1	<1

Env Stds Comments

#1:WFD England/Wales. 2015 - AA-EQS Trans./Coastal
#2:WFD England/Wales. 2015 - Saltwater Standards
#3:PNEC (EU REACH) - Coastal
#4:SEPA WAT-SG-53 Marine EQS - AA - 2015
#5:Water Env't Regs (Scotland) 2015. AA-EQS Coast
#6:WFD England/Wales. 2015 - MAC-EQS Trans./Coastal

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

XXX Exceedance of GAC - Aquatic Toxicity - England/Wales - Transitional/Coastal

			Field_ID	MS\BH09D	MS\BH11D	MS\BH11S	MS\BH12D	MS\BH12S	MS\BH13D	MS\BH13S	MS\BH14	MS\BH15D	MS\BH15S	MS\BH17D
			Location_Code	MS\BH09	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13	MS\BH14	MS\BH15	MS\BH15	MS\BH17
			Well	D	D	S	D	S	D	S	-	D	S	D
			Sampled_Date_Time	13/08/2021	11/08/2021	12/08/2021	13/08/2021	11/08/2021	12/08/2021	12/08/2021	10/08/2021	13/08/2021	13/08/2021	10/08/2021
			Monitoring_Unit	TFD SAND	TFD SAND	MADE GROUND	RMF	GLACIAL	RMF	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	RMF
Chem_Group	ChemName	output unit	Controlled Waters GAC_EQS-Coast (Surface Water)											
TPH	EPH >C10-C40	µg/L		150	<10	780	200	33	<10	440	53	130	120	<10
	>C5-C6 Aliphatics	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C6-C8 Aliphatics	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C8-C10 Aliphatics	µg/L		<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>C10-C12 Aliphatics	µg/L		2.8	45	110	<1	34	<1	<1	<1	2.4	5	<1
	>C12-C16 Aliphatics	µg/L		1.5	18	10	1.3	12	<1	<1	<1	1.6	<1	<1
	>C16-C21 Aliphatics	µg/L		30	24	4.9	5.1	19	<1	<1	<1	27	12	<1
	>C16-C35 Aliphatics	µg/L		31	36	6	6.1	24.8	<2	<2	<2	28	13.8	<2
	>C21-C35 Aliphatics	µg/L		<1	12	1.1	<1	5.8	<1	<1	<1	<1	1.8	<1
	>C5-C35 Aliphatics	µg/L		35	99	120	<10	71	<10	<10	<10	32	20	<10
	>EC5-EC7 Aromatics	µg/L	8[#1]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>EC7-EC8 Aromatics	µg/L	74[#2]	<0.1	<0.1	<0.1	22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>EC8-EC10 Aromatics	µg/L		<0.1	<0.1	<0.1	14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	>EC10-EC12 Aromatics	µg/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC12-EC16 Aromatics	µg/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC16-EC21 Aromatics	µg/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC21-EC35 Aromatics	µg/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	>EC5-EC35 Aromatics	µg/L		<10	<10	<10	36	<10	<10	<10	<10	<10	<10	<10
	>C5-C35 Aliphatics & Aromatics	µg/L		36	99	120	44	71	<10	<10	<10	32	20	<10
VOC	Dichlorodifluoromethane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	MTBE	µg/L	260[#3]	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Chloromethane	µg/L		<1	-	2	<1	-	-	-	-	-	<1	-
	Vinyl chloride	µg/L	8[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Bromomethane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Chloroethane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Trichlorofluoromethane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1-dichloroethene	µg/L	1[#3]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Dichloromethane	µg/L	20[#1]	<27	-	<27	<27	-	-	-	-	-	<27	-
	trans-1,2-dichloroethene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1-dichloroethane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	cis-1,2-dichloroethene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	2,2-dichloropropane	µg/L		<2	-	<2	<2	-	-	-	-	-	<2	-
	Bromochloromethane	µg/L		<4	-	<4	<4	-	-	-	-	-	<4	-
	Chloroform	µg/L	2.5[#1]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1,1-trichloroethane	µg/L	100[#4]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1-dichloropropene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Carbon tetrachloride	µg/L	12[#1]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-dichloroethane	µg/L	10[#1]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Benzene	µg/L	8[#1]	<1 - 5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trichloroethene	µg/L	10[#1]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-dichloropropane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Dibromomethane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Bromodichloromethane	µg/L		<4	-	<4	<4	-	-	-	-	-	<4	-
	cis-1,3-dichloropropene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Toluene	µg/L	74[#2]	<1	<1	<1	<1 - 22	<1	<1	<1	<1	<1	<1	<1
	trans-1,3-dichloropropene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1,2-trichloroethane	µg/L	300[#4]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Tetrachloroethene	µg/L	10[#1]	<1	-	<1	<1	-	-	-	-	-	<1	-
	1,3-dichloropropane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Sum of PCE and TCE	µg/L		<2	-	<2	<2	-	-	-	-	-	<2	-
	Chlorodibromomethane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-dibromoethane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Chlorobenzene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1,1,2-tetrachloroethane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Ethylbenzene	µg/L	20[#4]	<1	<1	<1	<1 - 14	<1	<1	<1	<1	<1	<1	<1

Chem_Group	ChemName	output unit	Controlled Waters GAC_EQS-Coast (Surface Water)	Field_ID	MS\BH09D	MS\BH11D	MS\BH11S	MS\BH12D	MS\BH12S	MS\BH13D	MS\BH13S	MS\BH14	MS\BH15D	MS\BH15S	MS\BH17D
				Location_Code	MS\BH09	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13	MS\BH14	MS\BH15	MS\BH15	MS\BH17
				Well	D	D	S	D	S	D	S	-	D	S	D
				Sampled_Date_Time	13/08/2021	11/08/2021	12/08/2021	13/08/2021	11/08/2021	12/08/2021	12/08/2021	10/08/2021	13/08/2021	13/08/2021	10/08/2021
				Monitoring_Unit	TFD SAND	TFD SAND	MADE GROUND	RMF	GLACIAL	RMF	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	RMF
	Xylene (m & p)	µg/L			<2	-	<2	<2	-	-	-	-	-	<2	-
	Xylene Total	µg/L	30[#4]		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Xylene (o)	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	Styrene	µg/L	50[#4]		<1	-	<1	<1	-	-	-	-	-	<1	-
	Bromoform	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	Isopropylbenzene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	1,1,2,2-tetrachloroethane	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	Bromobenzene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2,3-trichloropropane	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	n-propylbenzene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	2-chlorotoluene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	1,3,5-trimethylbenzene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	4-chlorotoluene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	tert-butylbenzene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2,4-trimethylbenzene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	sec-butylbenzene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	p-isopropyltoluene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	1,3-dichlorobenzene	µg/L			<2	-	<2	<2	-	-	-	-	-	<2	-
	1,4-dichlorobenzene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	n-butylbenzene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-dichlorobenzene	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-dibromo-3-chloropropane	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2,4-trichlorobenzene	µg/L	Refer to 'Trichlorobenzene (total)'[#5]		<1	-	<1	<1	-	-	-	-	-	<1	-
	Hexachlorobutadiene	µg/L	0.6[#6]		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2,3-trichlorobenzene	µg/L	Refer to 'Trichlorobenzene (total)'[#5]		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,2-Dichloroethene	µg/L			<2	-	<2	<2	-	-	-	-	-	<2	-
	Trihalomethanes	µg/L			<7	-	<7	<7	-	-	-	-	-	<7	-
	Hexachlorobenzene	µg/L	0.05[#6]		<1	-	<1	<1	-	-	-	-	-	<1	-
	Trichlorobenzene (total)	µg/L	0.4[#1]		<2	-	<2	<2	-	-	-	-	-	<2	-
PAH	Naphthalene	µg/L	2[#1]		0.2	0.17	0.11	0.08	0.5	0.24	0.1	0.65	4.9	0.6	0.06
	Acenaphthylene	µg/L			<0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.02	0.01	0.1	0.02
	Acenaphthene	µg/L			0.02	0.02	0.04	<0.01	0.08	0.08	0.06	2.3	0.51	0.42	0.12
	Fluorene	µg/L			0.01	0.01	0.01	0.06	0.04	0.02	0.02	0.52	0.07	0.2	0.04
	Phenanthrene	µg/L			<0.01	<0.01	0.08	0.03	0.05	0.01	<0.01	2.6	<0.01	0.1	0.08
	Anthracene	µg/L	0.1[#1]		<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.19	<0.01	0.02	0.02
	Fluoranthene	µg/L	0.0063[#1]		<0.01	0.01	0.09	0.01	0.04	0.02	<0.01	0.24	<0.01	0.03	0.04
	Pyrene	µg/L			<0.01	0.01	0.11	0.01	0.03	0.02	0.01	0.14	0.01	0.03	0.03
	Benz(a)anthracene	µg/L			<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
	Chrysene	µg/L			<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
	Benzo(a) pyrene	µg/L	0.00017[#1]		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno(1,2,3-c,d)pyrene	µg/L	see BaP and notes[#5]		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenz(a,h)anthracene	µg/L			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
	Benzo(g,h,i)perylene	µg/L	0.00082[#6]		<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
	Benzo(b)fluoranthene	µg/L	0.017[#6]		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(k)fluoranthene	µg/L	0.017[#6]		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo(b)&(k)fluoranthene	µg/L			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	PAHs (sum of 4)	µg/L			<0.04	<0.04	0.04	<0.04	<0.04	<0.04	<0.04	0.04	<0.04	<0.04	<0.04
	PAH 16 Total	µg/L			0.23	0.22	0.5	0.21	0.76	0.39	0.2	6.8	5.6	1.5	0.42
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	µg/L			<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02
	Benzo(a)pyrene (surrogate marker for PAH mixture)	µg/L			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SVOC	2,3,5,6-Tetrachlorophenol	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	2-chlorophenol	µg/L	50[#4]		<1	-	<1	<1	-	-	-	-	-	<1	-
	2-methylphenol	µg/L			<1	-	<1	<1	-	-	-	-	-	<1	-
	2,4-dichlorophenol	µg/L	0.42[#2]		<1	-	<1	<1	-	-	-	-	-	<1	-

			Field_ID	MS\BH09D	MS\BH11D	MS\BH11S	MS\BH12D	MS\BH12S	MS\BH13D	MS\BH13S	MS\BH14	MS\BH15D	MS\BH15S	MS\BH17D
			Location_Code	MS\BH09	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13	MS\BH14	MS\BH15	MS\BH15	MS\BH17
			Well	D	D	S	D	S	D	S	-	D	S	D
			Sampled_Date_Time	13/08/2021	11/08/2021	12/08/2021	13/08/2021	11/08/2021	12/08/2021	12/08/2021	10/08/2021	13/08/2021	13/08/2021	10/08/2021
			Monitoring_Unit	TFD SAND	TFD SAND	MADE GROUND	RMF	GLACIAL	RMF	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	RMF
Chem_Group	ChemName	output unit	Controlled Waters GAC_EQS-Coast (Surface Water)											
	2,4-dimethylphenol	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	2,4,5-trichlorophenol	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	2,4,6-trichlorophenol	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	4-chloro-3-methylphenol	µg/L	40[#4]	<1	-	<1	<1	-	-	-	-	-	<1	-
	4-nitrophenol	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Pentachlorophenol	µg/L	0.4[#1]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Phenol	µg/L	7.7[#2]	<1	-	<1	<1	-	-	-	-	-	3.8	-
	2-chloronaphthalene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	2-methylnaphthalene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Bis(2-ethylhexyl) phthalate	µg/L	1.3[#1]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Butyl benzyl phthalate	µg/L	0.75[#2]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Di-n-butyl phthalate	µg/L	8[#4]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Di-n-octyl phthalate	µg/L	20[#4]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Diethylphthalate	µg/L	200[#4]	<1	-	<1	<1	-	-	-	-	-	<1	-
	Dimethyl phthalate	µg/L	800[#4]	<1	-	<1	<1	-	-	-	-	-	<1	-
	2-nitroaniline	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	3-nitroaniline	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	4-bromophenyl phenyl ether	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	4-chlorophenyl phenyl ether	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	4-nitroaniline	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Azobenzene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Bis(2-chloroethoxy) methane	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Carbazole	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Dibenzofuran	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Hexachlorocyclopentadiene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	1-Methylnaphthalene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Benzyl alcohol	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Bis(2-chloroisopropyl)ether	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	Total Monohydric Phenols (S) Corrected	µg/L		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
	Diphenylamine	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
PCBs	PCB 118+123	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB congener 28 + 31	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Total PCB WHO 12	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB 52	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB 101	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB 138	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB 153	µg/L		-	-	-	-	-	-	-	-	-	-	-
	PCB 180	µg/L		-	-	-	-	-	-	-	-	-	-	-
	Total PCB 7 Congeners	µg/L		-	-	-	-	-	-	-	-	-	-	-
Explosives	1,3-Dinitrobenzene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	2,4-Dinitrotoluene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	2,6-dinitrotoluene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
Metals	Arsenic (Filtered)	µg/L	25[#2]	8.4	2.6	1.1	0.58	7.7	1.9	10	24	11	8.9	5.2
	Beryllium (Filtered)	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

			Field_ID	MS\BH09D	MS\BH11D	MS\BH11S	MS\BH12D	MS\BH12S	MS\BH13D	MS\BH13S	MS\BH14	MS\BH15D	MS\BH15S	MS\BH17D
			Location_Code	MS\BH09	MS\BH11	MS\BH11	MS\BH12	MS\BH12	MS\BH13	MS\BH13	MS\BH14	MS\BH15	MS\BH15	MS\BH17
			Well	D	D	S	D	S	D	S	-	D	S	D
			Sampled_Date_Time	13/08/2021	11/08/2021	12/08/2021	13/08/2021	11/08/2021	12/08/2021	12/08/2021	10/08/2021	13/08/2021	13/08/2021	10/08/2021
			Monitoring_Unit	TFD SAND	TFD SAND	MADE GROUND	RMF	GLACIAL	RMF	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	RMF
Chem_Group	**ChemName**	**output unit**	Controlled Waters GAC_EQS-Coast (Surface Water)											
	Boron (Filtered)	µg/L	7.000[#4]	210	700	360	180	300	660	360	17	76	80	<12
	Cadmium (Filtered)	µg/L	0.2[#1]	<0.03	<0.03	0.13	<0.03	<0.03	<0.03	<0.03	0.08	<0.03	<0.03	<0.03
	Copper (Filtered)	µg/L	3.76[#2]	<0.4	<0.4	<0.4	1.7	0.4	<0.4	<0.4	0.7	<0.4	0.8	0.8
	Iron (Filtered)	µg/L	1.000[#2]	16	20	12	11	16	1200	91	16	8.6	14	22
	Lead (Filtered)	µg/L	1.3[#1]	0.09	0.1	1.8	0.49	<0.09	<0.09	<0.09	0.19	<0.09	0.19	0.1
	Mercury (Filtered)	µg/L	0.07[#6]	0.05	0.07	0.05	<0.01	0.08	<0.01	0.03	0.41	0.1	0.14	0.19
	Nickel (Filtered)	µg/L	8.6[#1]	1.6	2.3	1.4	4.4	3.1	11	0.9	5.2	0.7	0.9	2.2
	Selenium (Filtered)	µg/L		7.1	1.6	0.96	2.5	28	2	0.6	3.2	9.2	6.5	4.7
	Vanadium (Filtered)	µg/L	100[#4]	8.1	16	-	0.9	54	-	-	63	1.1	93	59
	Zinc (Filtered)	µg/L	6.8[#2]	4.4	1.8	220	3	3.2	8.7	6.3	<1.3	4.4	9.2	<1.3
	Chromium (hexavalent)	µg/L	0.6[#2]	<7	<7	<7	11	<7	<7	<7	<7	<7	<7	<7
	Chromium (Trivalent) (Filtered)	µg/L		<1	<1	4.3	<1	<1	<1	<1	<1	<1	<1	<1
Inorganics	Sulphate, Total Potential as SO4	µg/l		160,000	67,000	770,000	130,000	160,000	1,300,000	280,000	540,000	130,000	1,100,000	890,000
	Cyanide (Free)	mg/L	0.001[#4]	<0.02 - 0.0004	<0.02 - 0.0005	0.0001	<0.02 - 0.0005	<0.0001	0.0008	0.0044	<0.02 - 0.0005	<0.02 - 0.0002	<0.02 - 0.0001	<0.02 - 0.0007
	Cyanide Total	mg/L	0.001[#2]	<0.04	<0.04	-	<0.04	<0.04	-	-	<0.04	<0.04	<0.04	<0.04
	Thiocyanate	mg/L		0.15	0.17	-	<0.02	<0.02	-	-	0.17	0.17	0.23	0.11
	Nitrate (as NO3-)	mg/L		<0.1	-	-	-	<0.1	-	-	0.28	-	-	0.98
	Nitrite (as NO2-)	mg/L		<0.1	-	-	-	0.69	-	-	<0.1	-	-	<0.1
	Nitrate (as N)	mg/L		-	0.15	0.28	0.83	-	0.21	0.15	-	0.39	0.35	-
	Nitrite (as N)	mg/L		-	<0.035	<0.035	<0.035	-	<0.035	<0.035	-	<0.035	0.27	-
	Sulphur as S	mg/L		50	-	290	37	-	570	-	180	-	380	300
	Ammoniacal Nitrogen as N	mg/L	0.021 (unionised ammonia)[#2]	1.9	1.8	0.16	0.13	0.66	2.6	2	0.79	1.3	0.57	0.28
	Ammoniacal Nitrogen as NH3	mg/L		2.3	2.2	0.19	0.16	0.8	3.2	2.4	0.96	1.6	0.69	0.35
	Total Hardness as CaCO3	mg/L		30.3	95.4	725	437	142	3390	370	593	1040	931	1020
Other	TOC	mg/L		36	39	31	<1	100	3.9	8.2	7.6	4.6	6.1	16
Field	pH	pH_Units		9.7	8.4	7.9	11.9	11.2	7.2	8.5	10.9	9.7	10.7	11.2
MISC	Bis(2-ethylhexyl)esther	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	1,4-dinitrobenzene	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-
	3/4-Methylphenol (m/p-cresol)	µg/L		<1	-	<1	<1	-	-	-	-	-	<1	-

Env Stds Comments

#1:WFD England/Wales. 2015 - AA-EQS Trans./Coastal
#2:WFD England/Wales. 2015 - Saltwater Standards
#3:PNEC (EU REACH) - Coastal
#4:SEPA WAT-SG-53 Marine EQS - AA - 2015
#5:Water Env't Regs (Scotland) 2015. AA-EQS Coast
#6:WFD England/Wales. 2015 - MAC-EQS Trans./Coastal

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

XXX Exceedance of GAC - Aquatic Toxicity - England/Wales - Transitional/Coastal

			Field_ID									
			Location_Code									
			Well									
			Sampled_Date_Time									
			Monitoring_Unit									
			Controlled Waters GAC_EQS-Coast (Surface Water)	Statistical Summary								
Chem_Group	ChemName	output unit		Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
TPH	EPH >C10-C40	µg/L		22	17	<10	3500	360	140	746	0	0
	>C5-C6 Aliphatics	µg/L		22	1	<0.1	120	5.5	0.05	26	0	0
	>C6-C8 Aliphatics	µg/L		22	1	<0.1	210	9.6	0.05	45	0	0
	>C8-C10 Aliphatics	µg/L		22	2	<0.1	15	0.76	0.05	3.2	0	0
	>C10-C12 Aliphatics	µg/L		22	10	<1	110	12	0.5	25	0	0
	>C12-C16 Aliphatics	µg/L		22	10	<1	18	3.7	0.5	5.2	0	0
	>C16-C21 Aliphatics	µg/L		22	11	<1	30	8	2.7	9.9	0	0
	>C16-C35 Aliphatics	µg/L		22	11	<2	36	10	3.5	12	0	0
	>C21-C35 Aliphatics	µg/L		22	7	<1	14	2.3	0.5	3.8	0	0
	>C5-C35 Aliphatics	µg/L		22	11	<10	340	43	12.5	74	0	0
	>EC5-EC7 Aromatics	µg/L	8[#1]	22	2	<0.1	58	2.9	0.05	12	1	1
	>EC7-EC8 Aromatics	µg/L	74[#2]	22	2	<0.1	22	2	0.05	6.2	0	0
	>EC8-EC10 Aromatics	µg/L		22	2	<0.1	250	12	0.05	53	0	0
	>EC10-EC12 Aromatics	µg/L		22	0	<1	<1	0.5	0.5	0	0	0
	>EC12-EC16 Aromatics	µg/L		22	0	<1	<1	0.5	0.5	0	0	0
	>EC16-EC21 Aromatics	µg/L		22	0	<1	<1	0.5	0.5	0	0	0
	>EC21-EC35 Aromatics	µg/L		22	0	<1	<1	0.5	0.5	0	0	0
	>EC5-EC35 Aromatics	µg/L		22	2	<10	330	21	5	69	0	0
	>C5-C35 Aliphatics & Aromatics	µg/L		22	12	<10	670	59	25	140	0	0
VOC	Dichlorodifluoromethane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	MTBE	µg/L	260[#3]	22	0	<1	<1	0.5	0.5	0	0	0
	Chloromethane	µg/L		12	7	<1	3	1.5	2	0.89	0	0
	Vinyl chloride	µg/L	8[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	Bromomethane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Chloroethane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Trichlorofluoromethane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,1-dichloroethene	µg/L	1[#3]	12	0	<1	<1	0.5	0.5	0	0	0
	Dichloromethane	µg/L	20[#1]	12	0	<27	<27	14	13.5	0	12	0
	trans-1,2-dichloroethene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,1-dichloroethane	µg/L		12	1	<1	1	0.54	0.5	0.14	0	0
	cis-1,2-dichloroethene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2,2-dichloropropane	µg/L		12	0	<2	<2	1	1	0	0	0
	Bromochloromethane	µg/L		12	0	<4	<4	2	2	0	0	0
	Chloroform	µg/L	2.5[#1]	12	0	<1	<1	0.5	0.5	0	0	0
	1,1,1-trichloroethane	µg/L	100[#4]	12	0	<1	<1	0.5	0.5	0	0	0
	1,1-dichloropropene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Carbon tetrachloride	µg/L	12[#1]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2-dichloroethane	µg/L	10[#1]	12	0	<1	<1	0.5	0.5	0	0	0
	Benzene	µg/L	8[#1]	22	3	<1	58	3.4	0.5	12	1	1
	Trichloroethene	µg/L	10[#1]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2-dichloropropane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Dibromomethane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Bromodichloromethane	µg/L		12	0	<4	<4	2	2	0	0	0
	cis-1,3-dichloropropene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Toluene	µg/L	74[#2]	22	2	<1	22	1.9	0.5	4.7	0	0
	trans-1,3-dichloropropene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,1,2-trichloroethane	µg/L	300[#4]	12	0	<1	<1	0.5	0.5	0	0	0
	Tetrachloroethene	µg/L	10[#1]	12	0	<1	<1	0.5	0.5	0	0	0
	1,3-dichloropropane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Sum of PCE and TCE	µg/L		12	0	<2	<2	1	1	0	0	0
	Chlorodibromomethane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,2-dibromoethane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Chlorobenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,1,1,2-tetrachloroethane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Ethylbenzene	µg/L	20[#4]	22	2	<1	210	10	0.5	45	1	1

			Field_ID									
			Location_Code									
			Well									
			Sampled_Date_Time									
			Monitoring_Unit									
			Controlled Waters GAC_EQS-Coast (Surface Water)	Statistical Summary								
Chem_Group	**ChemName**	**output unit**		Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
	Xylene (m & p)	µg/L		12	0	<2	<2	1	1	0	0	0
	Xylene Total	µg/L	30[#4]	22	0	<1	<1	0.5	0.5	0	0	0
	Xylene (o)	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Styrene	µg/L	50[#4]	12	0	<1	<1	0.5	0.5	0	0	0
	Bromoform	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Isopropylbenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,1,2,2-tetrachloroethane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Bromobenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,2,3-trichloropropane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	n-propylbenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2-chlorotoluene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,3,5-trimethylbenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	4-chlorotoluene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	tert-butylbenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,2,4-trimethylbenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	sec-butylbenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	p-isopropyltoluene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,3-dichlorobenzene	µg/L		12	0	<2	<2	1	1	0	0	0
	1,4-dichlorobenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	n-butylbenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,2-dichlorobenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,2-dibromo-3-chloropropane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,2,4-trichlorobenzene	µg/L	Refer to 'Trichlorobenzene (total)'[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	Hexachlorobutadiene	µg/L	0.6[#6]	12	0	<1	<1	0.5	0.5	0	12	0
	1,2,3-trichlorobenzene	µg/L	Refer to 'Trichlorobenzene (total)'[#5]	12	0	<1	<1	0.5	0.5	0	0	0
	1,2-Dichloroethene	µg/L		12	0	<2	<2	1	1	0	0	0
	Trihalomethanes	µg/L		12	0	<7	<7	3.5	3.5	0	0	0
	Hexachlorobenzene	µg/L	0.05[#6]	12	0	<1	<1	0.5	0.5	0	12	0
	Trichlorobenzene (total)	µg/L	0.4[#1]	12	0	<2	<2	1	1	0	12	0
PAH	Naphthalene	µg/L	2[#1]	22	22	0.06	4.9	0.46	0.185	1	1	1
	Acenaphthylene	µg/L		22	6	<0.01	0.1	0.011	0.005	0.02	0	0
	Acenaphthene	µg/L		22	20	<0.01	2.3	0.2	0.06	0.49	0	0
	Fluorene	µg/L		22	22	0.01	0.52	0.063	0.025	0.11	0	0
	Phenanthrene	µg/L		22	11	<0.01	2.6	0.15	0.0075	0.55	0	0
	Anthracene	µg/L	0.1[#1]	22	5	<0.01	0.19	0.016	0.005	0.039	1	1
	Fluoranthene	µg/L	0.0063[#1]	22	12	<0.01	0.24	0.027	0.01	0.052	22	12
	Pyrene	µg/L		22	15	<0.01	0.14	0.024	0.01	0.034	0	0
	Benz(a)anthracene	µg/L		22	2	<0.01	0.02	0.0059	0.005	0.0033	0	0
	Chrysene	µg/L		22	2	<0.01	0.02	0.0059	0.005	0.0033	0	0
	Benzo(a) pyrene	µg/L	0.00017[#1]	22	0	<0.01	<0.01	0.005	0.005	0	22	0
	Indeno(1,2,3-c,d)pyrene	µg/L	see BaP and notes[#5]	22	0	<0.01	<0.01	0.005	0.005	0	0	0
	Dibenz(a,h)anthracene	µg/L		22	1	<0.01	0.01	0.0052	0.005	0.0011	0	0
	Benzo(g,h,i)perylene	µg/L	0.00082[#6]	22	2	<0.01	0.01	0.0055	0.005	0.0015	22	2
	Benzo(b)fluoranthene	µg/L	0.017[#6]	22	0	<0.01	<0.01	0.005	0.005	0	0	0
	Benzo(k)fluoranthene	µg/L	0.017[#6]	22	0	<0.01	<0.01	0.005	0.005	0	0	0
	Benzo(b)&(k)fluoranthene	µg/L		22	0	<0.02	<0.02	0.01	0.01	0	0	0
	PAHs (sum of 4)	µg/L		22	2	<0.04	0.04	0.022	0.02	0.0059	0	0
	PAH 16 Total	µg/L		22	19	<0.2	6.8	0.93	0.385	1.7	0	0
	benzo(g,h,i)perylene + indeno(1,2,3-cd)pyrene	µg/L		22	2	<0.02	0.02	0.011	0.01	0.0029	0	0
	Benzo(a)pyrene (surrogate marker for PAH mixture)	µg/L		22	0	<0.01	<0.01	0.005	0.005	0	0	0
SVOC	2,3,5,6-Tetrachlorophenol	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2-chlorophenol	µg/L	50[#4]	12	0	<1	<1	0.5	0.5	0	0	0
	2-methylphenol	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2,4-dichlorophenol	µg/L	0.42[#2]	12	0	<1	<1	0.5	0.5	0	12	0

			Field_ID									
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			Controlled Waters GAC_EQS-Coast (Surface Water)	Statistical Summary								
Chem_Group	ChemName	output unit		Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
	2,4-dimethylphenol	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2,4,5-trichlorophenol	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2,4,6-trichlorophenol	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	4-chloro-3-methylphenol	µg/L	40[#4]	12	0	<1	<1	0.5	0.5	0	0	0
	4-nitrophenol	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Pentachlorophenol	µg/L	0.4[#1]	12	1	<1	1.4	0.58	0.5	0.26	12	1
	Phenol	µg/L	7.7[#2]	12	7	<1	7.9	2.7	2.5	2.4	1	1
	2-chloronaphthalene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2-methylnaphthalene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Bis(2-ethylhexyl) phthalate	µg/L	1.3[#1]	12	0	<1	<1	0.5	0.5	0	0	0
	Butyl benzyl phthalate	µg/L	0.75[#2]	12	0	<1	<1	0.5	0.5	0	12	0
	Di-n-butyl phthalate	µg/L	8[#4]	12	0	<1	<1	0.5	0.5	0	0	0
	Di-n-octyl phthalate	µg/L	20[#4]	12	0	<1	<1	0.5	0.5	0	0	0
	Diethylphthalate	µg/L	200[#4]	12	0	<1	<1	0.5	0.5	0	0	0
	Dimethyl phthalate	µg/L	800[#4]	12	0	<1	<1	0.5	0.5	0	0	0
	2-nitroaniline	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	3-nitroaniline	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	4-bromophenyl phenyl ether	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	4-chlorophenyl phenyl ether	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	4-nitroaniline	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Azobenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Bis(2-chloroethoxy) methane	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Carbazole	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Dibenzofuran	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Hexachlorocyclopentadiene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1-Methylnaphthalene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Benzyl alcohol	µg/L		12	3	<1	2.2	0.83	0.5	0.62	0	0
	Bis(2-chloroisopropyl)ether	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	Total Monohydric Phenols (S) Corrected	µg/L		22	0	<100	<100	50	50	0	0	0
	Diphenylamine	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
PCBs	PCB 118+123	µg/L		2	0	<0.6	<0.6		0.3		0	0
	PCB congener 28 + 31	µg/L		2	0	<0.3	<0.3		0.15		0	0
	Tetrachlorobiphenyl, 3,3,4,4- (PCB 77)	µg/L		2	0	<0.3	<0.3		0.15		0	0
	Tetrachlorobiphenyl, 3,4,4,5- (PCB 81)	µg/L		2	0	<0.2	<0.2		0.1		0	0
	Pentachlorobiphenyl, 2,3,3,4,4- (PCB 105)	µg/L		2	0	<0.2	<0.2		0.1		0	0
	Pentachlorobiphenyl, 2,3,4,4,5- (PCB 114)	µg/L		2	0	<0.3	<0.3		0.15		0	0
	Pentachlorobiphenyl, 3,3,4,4,5- (PCB 126)	µg/L		2	0	<0.5	<0.5		0.25		0	0
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 156)	µg/L		2	0	<0.3	<0.3		0.15		0	0
	Hexachlorobiphenyl, 2,3,3,4,4,5- (PCB 157)	µg/L		2	0	<0.2	<0.2		0.1		0	0
	Hexachlorobiphenyl, 2,3,4,4,5,5- (PCB 167)	µg/L		2	0	<0.3	<0.3		0.15		0	0
	Hexachlorobiphenyl, 3,3,4,4,5,5- (PCB 169)	µg/L		2	0	<0.2	<0.2		0.1		0	0
	Heptachlorobiphenyl, 2,3,3,4,4,5,5- (PCB 189)	µg/L		2	0	<0.3	<0.3		0.15		0	0
	Total PCB WHO 12	µg/L		2	0	<1	<1		0.5		0	0
	PCB 52	µg/L		2	0	<0.2	<0.2		0.1		0	0
	PCB 101	µg/L		2	0	<0.3	<0.3		0.15		0	0
	PCB 138	µg/L		2	0	<0.2	<0.2		0.1		0	0
	PCB 153	µg/L		2	0	<0.2	<0.2		0.1		0	0
	PCB 180	µg/L		2	0	<0.2	<0.2		0.1		0	0
	Total PCB 7 Congeners	µg/L		2	0	<1	<1		0.5		0	0
Explosives	1,3-Dinitrobenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2,4-Dinitrotoluene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	2,6-dinitrotoluene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
Metals	Arsenic (Filtered)	µg/L	25[#2]	22	22	0.58	24	6.7	5.8	5.4	0	0
	Beryllium (Filtered)	µg/L		22	0	<0.1	<0.1	0.05	0.05	0	0	0

			Field_ID								
			Location_Code								
			Well								
			Sampled_Date_Time								
			Monitoring_Unit								
			Controlled Waters GAC_EQS-Coast (Surface Water)	Statistical Summary							
Chem_Group	ChemName	output unit		Number of Results	Number of Detects	Minimum Concentration	Maximum Concentration	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
	Boron (Filtered)	µg/L	7.000[#4]	22	21	<12	700	311	290	201	0	0
	Cadmium (Filtered)	µg/L	0.2[#1]	22	5	<0.03	0.13	0.029	0.015	0.031	0	0
	Copper (Filtered)	µg/L	3.76[#2]	22	7	<0.4	2	0.45	0.2	0.5	0	0
	Iron (Filtered)	µg/L	1.000[#2]	22	22	8.6	1200	140	18	312	1	1
	Lead (Filtered)	µg/L	1.3[#1]	22	13	<0.09	1.8	0.19	0.095	0.37	1	1
	Mercury (Filtered)	µg/L	0.07[#6]	22	18	<0.01	0.72	0.13	0.065	0.17	9	9
	Nickel (Filtered)	µg/L	8.6[#1]	22	22	0.6	22	3.5	1.9	4.8	2	2
	Selenium (Filtered)	µg/L		22	22	0.29	28	8.3	4.7	9.5	0	0
	Vanadium (Filtered)	µg/L	100[#4]	19	17	<0.6	93	20	8.1	27	0	0
	Zinc (Filtered)	µg/L	6.8[#2]	22	20	<1.3	220	14	3.45	46	3	3
	Chromium (hexavalent)	µg/L	0.6[#2]	22	5	<7	120	16	3.5	30	22	5
	Chromium (Trivalent) (Filtered)	µg/L		22	1	<1	4.3	0.67	0.5	0.81	0	0
Inorganics	Sulphate, Total Potential as SO4	µg/l		22	22	67000	2700000	694682	700000	600606	0	0
	Cyanide (Free)	mg/L	0.001[#4]	22	20	<0.0001	0.0044	0.0044	0.00525	0.0021	5	5
	Cyanide Total	mg/L	0.001[#2]	19	1	<0.04	0.042	0.021	0.02	0.005	19	1
	Thiocyanate	mg/L		19	13	<0.02	2.3	0.21	0.052	0.52	0	0
	Nitrate (as NO3-)	mg/L		6	4	<0.1	1.5	0.54	0.34	0.58	0	0
	Nitrite (as NO2-)	mg/L		6	2	<0.1	0.69	0.22	0.05	0.28	0	0
	Nitrate (as N)	mg/L		16	16	0.15	0.83	0.29	0.255	0.16	0	0
	Nitrite (as N)	mg/L		16	3	<0.035	0.27	0.05	0.0175	0.083	0	0
	Sulphur as S	mg/L		13	13	37	570	276	300	172	0	0
	Ammoniacal Nitrogen as N	mg/L	0.021 (unionised ammonia)[#2]	22	22	0.015	10	1.2	0.52	2.1	0	0
	Ammoniacal Nitrogen as NH3	mg/L		22	22	0.019	13	1.5	0.635	2.7	0	0
	Total Hardness as CaCO3	mg/L		22	22	30.3	3390	806	711	770	0	0
Other	TOC	mg/L		22	19	<1	100	23	14	25	0	0
Field	pH	pH_Units		22	22	7.2	12.2	9.5	9.45	1.6	0	0
MISC	Bis(2-ethylhexyl)esther	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	1,4-dinitrobenzene	µg/L		12	0	<1	<1	0.5	0.5	0	0	0
	3/4-Methylphenol (m/p-cresol)	µg/L		12	0	<1	<1	0.5	0.5	0	0	0

Env Stds Comments

#1:WFD England/Wales. 2015 - AA-EQS Trans./Coastal
#2:WFD England/Wales. 2015 - Saltwater Standards
#3:PNEC (EU REACH) - Coastal
#4:SEPA WAT-SG-53 Marine EQS - AA - 2015
#5:Water Env't Regs (Scotland) 2015. AA-EQS Coast
#6:WFD England/Wales. 2015 - MAC-EQS Trans./Coastal

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

XXX Exceedance of GAC - Aquatic Toxicity - England/Wales - Transitional/Coastal

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	DUPLICATE A (MS\BH09)	DUPLICATE B (MS\BH14)	LF\BH01 (D)	LF\BH01 (D)	LF\BH01 (S)	LF\BH01 (S)	MS\BH03 (D)	MS\BH03 (S)
												Depth	4.34-8.70	3.60-8.00	4.61-38.00	4.56-38.00	4.64-8.10	4.58-8.10	1.87-28.50	1.91-2.70
												Sampling Date	15/11/2021	16/11/2021	18/10/2021	17/11/2021	18/10/2021	17/11/2021	13/10/2021	17/11/2021
												Monitoring Unit	TFD SAND	TFD SAND	RMF	RMF	TFD SAND	TFD SAND	RMF	MADE GROUND
Metals											-									
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**25**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		9.4	23	5.1	9.1	9.7	11	6.8	4.2
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**7000**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		230	*< 12*	270	240	320	350	570	450
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**0.2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.03*	0.07	0.04	0.04	0.03	*< 0.03*	*< 0.03*	*< 0.03*
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**NV**		NO	0		*< 1.0*	*< 1.0*	7.9	*< 1.0*	16	*< 1.0*	*< 1.0*	*< 1.0*
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**0.6**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**3.76**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 0.4*	0.7	3.3	1.8	0.5	*< 0.4*	*< 0.4*	*< 0.4*
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**1000**	WFD England/Wales. 2015 - Saltwater Standards	YES	**5**		64	16	56	34	30	19	**11000**	86
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**1.3**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**3**		*< 0.09*	0.57	**1.4**	0.23	0.4	*< 0.09*	*< 0.09*	*< 0.09*
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**0.07**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	YES	**14**		0.06	**0.36**	**0.17**	**0.19**	**0.15**	**0.11**	0.06	0.07
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**8.6**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**1**		0.9	5.5	6.2	4.4	1.5	0.9	0.6	*< 0.5*
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**NV**		NO	0		1.8	2.5	3	2	1.4	1.3	0.8	1.1
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**100**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		2.2	6.6	8.1	7.1	3.8	0.7	0.9	2
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6.8**	WFD England/Wales. 2015 - Saltwater Standards	YES	**8**		3	3.1	**10**	6.2	4.9	2.5	1.7	3
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		9.2	**11.3**	**11.3**	10.6	10.2	9.2	7.7	8.2
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.001**	WFD England/Wales. 2015 - Saltwater Standards	YES	**36**		**0.0053**	**0.0052**	**0.0048**	**0.0052**	**0.0063**	**0.0057**	0.0001	**0.0084**
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.001**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**6**		0.0003	0.0002	0.0008	0.0003	0.0002	0.0003	*< 0.0001*	0.0004
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**NV**		NO	0		110	230	46	*< 20*	*< 20*	37	*< 20*	*< 20*
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		128	437	723	837	1050	991	6410	945
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		6.4	5.7	0.47	0.18	0.098	0.097	3	0.11
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.021**	WFD England/Wales. 2015 - Saltwater Standards (unionised ammonia)	YES	**41**		**5.2**	**4.7**	**0.39**	**0.15**	**0.08**	**0.08**	**2.5**	**0.09**
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**NV**		NO	0		*< 0.10*	*< 0.10*	17			0.31		0.34
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0					0.24	0.35		*< 0.10*	
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**NV**		NO	0		*< 0.10*	*< 0.10*				*< 0.10*		*< 0.10*
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035	**NV**		NO	0				*< 0.035*	*< 0.035*	*< 0.035*		*< 0.035*	
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**NV**		NO	0		160	420	820	7.5	900	840	2700	840
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		4.7	5.1	*< 1.0*	180	23	11	64	6
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**NV**		NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**NV**		NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**NV**		NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**NV**		NO	0		72	120	87	130	190	150	130	140
Benzene	<1	ug/l	42	0	<1	<1	<1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	<1	ug/l	42	2	<1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**20**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**2**		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Xylene	<1	ug/l	42	0	<1	<1	<1	**30**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
MTBE	<1	ug/l	42	0	<1	<1	<1	**260**	PNEC (EU REACH) - Coastal	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**50**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**10**		*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	**1100**	*< 100*
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0		*< 27*		*< 27*	*< 27*		*< 27*	*< 27*	*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	DUPLICATE A (MS\BH09)	DUPLICATE B (MS\BH14)	LF\BH01 (D)	LF\BH01 (D)	LF\BH01 (S)	LF\BH01 (S)	MS\BH03 (D)	MS\BH03 (S)
												Depth	4.34-8.70	3.60-8.00	4.61-38.00	4.56-38.00	4.64-8.10	4.58-8.10	1.87-28.50	1.91-2.70
												Sampling Date	15/11/2021	16/11/2021	18/10/2021	17/11/2021	18/10/2021	17/11/2021	13/10/2021	17/11/2021
												Monitoring Unit	TFD SAND	TFD SAND	RMF	RMF	TFD SAND	TFD SAND	RMF	MADE GROUND
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2		< 2	< 2		< 2	< 2	< 2
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4		< 4	< 4		< 4	< 4	< 4
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	8	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		4		< 1	< 1		< 1	< 1	< 1
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4		< 4	< 4		< 4	< 4	< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2		< 2	< 2		< 2	< 2	< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2		< 2	< 2		< 2	< 2	< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	7.7	WFD England/Wales. 2015 - Saltwater Standards	NO	0		< 1.0		1.9	1.3		< 1.0	< 1.0	< 1.0
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0		< 1.0		2.2	1.5		< 1.0	< 1.0	< 1.0
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	100	Methylphenols-SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	DUPLICATE A (MS\BH09)	DUPLICATE B (MS\BH14)	LF\BH01 (D)	LF\BH01 (D)	LF\BH01 (S)	LF\BH01 (S)	MS\BH03 (D)	MS\BH03 (S)
												Depth	4.34-8.70	3.60-8.00	4.61-38.00	4.56-38.00	4.64-8.10	4.58-8.10	1.87-28.50	1.91-2.70
												Sampling Date	15/11/2021	16/11/2021	18/10/2021	17/11/2021	18/10/2021	17/11/2021	13/10/2021	17/11/2021
												Monitoring Unit	TFD SAND	TFD SAND	RMF	RMF	TFD SAND	TFD SAND	RMF	MADE GROUND
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Anthracene	<1	ug/l	28	0	<1	<1	<1	0.1	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	8	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	1.3	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	3		< 1.0		5	< 1.0		< 1.0	< 1.0	< 1.0
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	2	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	1		0.2	<0.1	0.1	0.8	0.2	0.2	0.8	
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	NV		NO	0		<0.013	<0.013	<0.013	0.013	<0.013	<0.013	<0.013	
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	NV		NO	0		<0.013	0.13	0.039	0.08	0.04	<0.013	<0.013	
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	NV		NO	0		<0.014	0.025	<0.014	0.028	<0.014	<0.014	<0.014	
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	NV		NO	0		<0.011	<0.011	0.011	0.026	<0.011	0.015	<0.011	
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	0.1	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	0.0063	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	9		<0.012	0.225	<0.012	<0.012	<0.012	<0.012	<0.012	
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	NV		NO	0		<0.013	0.143	<0.013	0.015	<0.013	<0.013	<0.013	
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	NV		NO	0		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	NV		NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018	NV		NO	0		<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	0.00017	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	see BaP and notes	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	NV		NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	0.00082	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	NV		NO	0		0.2	0.523	<0.195	0.962	0.24	0.215	0.8	
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.017	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.017	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	2	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.052
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	NV		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.001
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	NV		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.001
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	NV		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.002

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	DUPLICATE A (MS\BH09)	DUPLICATE B (MS\BH14)	LF\BH01 (D)	LF\BH01 (D)	LF\BH01 (S)	LF\BH01 (S)	MS\BH03 (D)	MS\BH03 (S)
												Depth	4.34-8.70	3.60-8.00	4.61-38.00	4.56-38.00	4.64-8.10	4.58-8.10	1.87-28.50	1.91-2.70
												Sampling Date	15/11/2021	16/11/2021	18/10/2021	17/11/2021	18/10/2021	17/11/2021	13/10/2021	17/11/2021
												Monitoring Unit	TFD SAND	TFD SAND	RMF	RMF	TFD SAND	TFD SAND	RMF	MADE GROUND
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.004
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	**0.0063**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.002*
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00017**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**see BaP and notes**	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00082**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.06
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
TAME	Non detect		22	0	Non detect	Non detect	Non detect	**NR**		NO	0		Not Detected	Not Detected		Not Detected		Not Detected		Not Detected
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0									*< 0.6*
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0									*< 0.5*
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									*< 1.0*
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									*< 1.0*

n/US Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR All concentrations less than limit of detection. No screening value required.
NV No screening value available
1.1 Exceedance of EQS

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	MS\BH03 (S)	MS\BH03 (D)	MS\BH04 (D)	MS\BH04 (D)	MS\BH04 (S)	MS\BH04 (S)	MS\BH05 (D)	MS\BH05 (D)
												Depth	1.87-2.70	1.98-28.50	2.51-28.50	2.40-28.50	2.32-5.00	2.35-5.00	5.64-29.90	5.69-29.90
												Sampling Date	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	12/10/2021	15/11/2021
												Monitoring Unit	MADE GROUND	RMF	TFD CLAY	TFD CLAY	TFD SAND	TFD SAND	RMF	RMF
Metals											-									
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**25**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		4	2	3.5	4.3	4.6	4	9.6	6.1
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**7000**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		490	430	550	640	610	550	190	180
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**0.2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.03*	*< 0.03*	*< 0.03*	0.03	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**NV**		NO	0		*< 1.0*	*< 1.0*	5.9	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**0.6**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	**9.2**	*< 7.0*	*< 7.0*	*< 7.0*
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**3.76**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 0.4*	*< 0.4*	1.2	*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**1000**	WFD England/Wales. 2015 - Saltwater Standards	YES	**5**		120	360	480	430	**2400**	**1600**	24	51
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**1.3**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**3**		*< 0.09*	*< 0.09*	0.57	*< 0.09*	0.15	*< 0.09*	*< 0.09*	0.15
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**0.07**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	YES	**14**		0.07	**0.09**	*< 0.01*	0.01	*< 0.01*	*< 0.01*	0.05	0.05
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**8.6**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**1**		*< 0.5*	0.8	2.1	1.6	0.6	0.7	4.5	2.2
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**NV**		NO	0		1.5	0.3	0.83	0.6	0.33	0.49	0.56	0.35
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**100**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		4	1.5	*< 0.6*	*< 0.6*	*< 0.6*	*< 0.6*	1.9	0.8
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6.8**	WFD England/Wales. 2015 - Saltwater Standards	YES	**8**		*< 1.3*	1.5	3.8	2.4	*< 1.3*	2.6	1.4	5.7
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		8.2	7.1	**12**	8.1	8.5	7.7	9.5	9.6
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.001**	WFD England/Wales. 2015 - Saltwater Standards	YES	**36**		**0.0098**	0.0005	**0.0056**	**0.0086**	**0.0095**	**0.0078**	**0.019**	**0.006**
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.001**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**6**		0.0003	0.0001	0.0007	**0.0021**	0.001	**0.0025**	**0.0016**	0.0002
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**NV**		NO	0		23	*< 20*	*< 20*	*< 20*	*< 20*	*< 20*	3900	2700
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		876	1490	1090	576	1280	1160	19.2	34.9
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		*< 0.015*	3.4	1.9	0.085	0.11	0.12	6.6	15
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.021**	WFD England/Wales. 2015 - Saltwater Standards (unionised ammonia)	YES	**41**		*< 0.015*	**2.8**	**1.6**	**0.07**	**0.091**	**0.1**	**5.5**	**13**
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**NV**		NO	0		*< 0.10*			0.17		*< 0.10*	*< 0.10*	*< 0.10*
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0			*< 0.10*	*< 0.10*		*< 0.10*			
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**NV**		NO	0		11			1.4		14	5.3	*< 0.10*
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035	**NV**		NO	0			*< 0.035*	*< 0.035*		*< 0.035*			
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**NV**		NO	0		860	2100	1400	1400	1400	1500	82	81
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		8.1	4.1	*< 1.0*	12	5.9	4.6	9.2	6
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**NV**		NO	0		*< 0.1*	*< 0.1*	14	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**NV**		NO	0		*< 0.1*	*< 0.1*	21	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	30	*< 1.0*
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	5.5	*< 1.0*
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	14	*< 1.0*	*< 1.0*	21	*< 1.0*
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	9.9	*< 1.0*	*< 1.0*	1.4	*< 1.0*
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**NV**		NO	0		*< 10*	*< 10*	35	23	*< 10*	*< 10*	58	*< 10*
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 0.1*	*< 0.1*	19	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**NV**		NO	0		*< 0.1*	*< 0.1*	72	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**NV**		NO	0		*< 10*	*< 10*	91	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**NV**		NO	0		*< 10*	*< 10*	130	24	*< 10*	*< 10*	58	*< 10*
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**NV**		NO	0		130	1100	110	93	*< 10*	64	330	190
Benzene	<1	ug/l	42	0	<1	<1	<1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	<1	ug/l	42	2	<1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 1.0*	*< 1.0*	19	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**20**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**2**		*< 1.0*	*< 1.0*	**72**	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Xylene	<1	ug/l	42	0	<1	<1	<1	**30**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
MTBE	<1	ug/l	42	0	<1	<1	<1	**260**	PNEC (EU REACH) - Coastal	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**50**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**10**		*< 100*	**330**	**360**	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0				*< 27*	*< 27*		*< 27*		*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0				*< 1*	*< 1*		*< 1*		1
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	MS\BH03 (S)	MS\BH03 (D)	MS\BH04 (D)	MS\BH04 (D)	MS\BH04 (S)	MS\BH04 (S)	MS\BH05 (D)	MS\BH05 (D)
												Depth	1.87-2.70	1.98-28.50	2.51-28.50	2.40-28.50	2.32-5.00	2.35-5.00	5.64-29.90	5.69-29.90
												Sampling Date	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	12/10/2021	15/11/2021
												Monitoring Unit	MADE GROUND	RMF	TFD CLAY	TFD CLAY	TFD SAND	TFD SAND	RMF	RMF
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	NR		NO	0				< 2	< 2		< 2		< 2
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0				< 4	< 4		< 4		< 4
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0				< 1	< 1		< 1		5
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	8	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0				< 1	< 1		< 1		5
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0				< 4	< 4		< 4		< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0				< 2	< 2		< 2		< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0				< 2	< 2		< 2		< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	7.7	WFD England/Wales. 2015 - Saltwater Standards	NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	100	Methylphenols-SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	MS\BH03 (S)	MS\BH03 (D)	MS\BH04 (D)	MS\BH04 (D)	MS\BH04 (S)	MS\BH04 (S)	MS\BH05 (D)	MS\BH05 (D)
												Depth	1.87-2.70	1.98-28.50	2.51-28.50	2.40-28.50	2.32-5.00	2.35-5.00	5.64-29.90	5.69-29.90
												Sampling Date	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	12/10/2021	15/11/2021
												Monitoring Unit	MADE GROUND	RMF	TFD CLAY	TFD CLAY	TFD SAND	TFD SAND	RMF	RMF
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0				< 1.0	1.1		< 1.0		< 1.0
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Anthracene	<1	ug/l	28	0	<1	<1	<1	0.1	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	8	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	1.3	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	3				< 1.0	< 1.0		< 1.0		< 1.0
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	2	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	1		0.1	0.3	1.3	<0.1	0.2	<0.1	0.4	0.7
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	NV		NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	NV		NO	0		<0.013	<0.013	0.146	<0.013	0.053	<0.013	<0.013	<0.013
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	NV		NO	0		<0.014	0.033	0.035	<0.014	0.015	<0.014	<0.014	<0.014
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	NV		NO	0		<0.011	<0.011	0.017	<0.011	0.013	<0.011	0.016	<0.011
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	0.1	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	0.0063	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	9		<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	NV		NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	NV		NO	0		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	NV		NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018	NV		NO	0		<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	0.00017	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	see BaP and notes	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	NV		NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	0.00082	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	NV		NO	0		<0.195	0.333	1.498	<0.195	0.281	<0.195	0.416	0.7
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.017	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.017	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	2	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	0.101	n/US	n/US	n/US
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	NV		NO	0		n/US	n/US	n/US	n/US	0.007	n/US	n/US	n/US
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	NV		NO	0		n/US	n/US	n/US	n/US	0.027	n/US	n/US	n/US
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	NV		NO	0		n/US	n/US	n/US	n/US	0.006	n/US	n/US	n/US

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	MS\BH03 (S)	MS\BH03 (D)	MS\BH04 (D)	MS\BH04 (D)	MS\BH04 (S)	MS\BH04 (S)	MS\BH05 (D)	MS\BH05 (D)
												Depth	1.87-2.70	1.98-28.50	2.51-28.50	2.40-28.50	2.32-5.00	2.35-5.00	5.64-29.90	5.69-29.90
												Sampling Date	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	12/10/2021	15/11/2021
												Monitoring Unit	MADE GROUND	RMF	TFD CLAY	TFD CLAY	TFD SAND	TFD SAND	RMF	RMF
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	**NV**		NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	**0.0063**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	0.002	n/US	n/US	n/US
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	**NV**		NO	0		n/US	n/US	n/US	n/US	0.003	n/US	n/US	n/US
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	**NV**		NO	0		n/US	n/US	n/US	n/US	*<0.002*	n/US	n/US	n/US
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00017**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**see BaP and notes**	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00082**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		n/US	n/US	n/US	n/US	0.146	n/US	n/US	n/US
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
TAME	Non detect		22	0	Non detect	Non detect	Non detect	**NR**		NO	0			Not Detected		Not Detected		Not Detected		Not Detected
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0									
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0									
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									

n/US	Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR	All concentrations less than limit of detection. No screening value required.
NV	No screening value available
1.1	Exceedance of EQS

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH05 (S)	MS\BH05 (S)	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH09	MS\BH09	MS\BH11
												Depth	4.61-12.50	4.61-12.50	4.09-7.30	4.38-7.30	5.71-13.30	5.74-13.30	4.60-8.70	4.34-8.70	4.19-11.40
												Sampling Date	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND
Metals											-										
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**25**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		7.4	6.8	8.7	5.8	3.9	3.2	7.4	7.9	3.5
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**7000**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		200	140	370	410	650	660	230	230	740
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**0.2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**NV**		NO	0		*< 1.0*	*< 1.0*	2.4	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	1.1
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**0.6**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**3.76**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 0.4*	*< 0.4*	1	*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*	0.8
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**1000**	WFD England/Wales. 2015 - Saltwater Standards	YES	**5**		95	99	38	340	85	37	18	56	89
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**1.3**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**3**		0.1	0.12	0.56	*< 0.09*	*< 0.09*	*< 0.09*	*< 0.09*	0.11	0.26
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**0.07**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	YES	**14**		0.03	0.02	0.06	*< 0.01*	0.04	0.05	**0.13**	**0.12**	0.07
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**8.6**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**1**		4.3	3.7	1.3	0.5	0.7	0.6	1.3	1.2	2.2
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**NV**		NO	0		0.49	0.31	2.3	*< 0.25*	0.74	0.47	5.6	2.6	0.41
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**100**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		1	0.9	1.5	*< 0.6*	4.2	5.6	15	3.3	20
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6.8**	WFD England/Wales. 2015 - Saltwater Standards	YES	**8**		*< 1.3*	1.3	**11**	*< 1.3*	*< 1.3*	1.7	*< 1.3*	2.1	**51**
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		9.5	9.6	8	8.1	8.3	8.3	9.2	9.3	8.9
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.001**	WFD England/Wales. 2015 - Saltwater Standards	YES	**36**		**0.02**	**0.0089**	**0.013**	**0.0049**	**0.0085**	**0.0072**	**0.0051**	**0.012**	**0.014**
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.001**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**6**		**0.0017**	0.0004	0.0007	0.0001	0.0003	0.0003	0.0003	0.0007	0.0004
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**NV**		NO	0		4400	4300	*< 20*	54	43	31	110	170	190
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		19.5	11.1	647	769	552	577	106	108	128
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		12	23	1.1	1.8	2.3	3	6.6	6.3	4.1
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.021**	WFD England/Wales. 2015 - Saltwater Standards (unionised ammonia)	YES	**41**		**10**	**19**	**0.91**	**1.5**	**1.9**	**2.5**	**5.4**	**5.2**	**3.3**
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**NV**		NO	0		*< 0.10*	0.15		*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	0.36	*< 0.10*
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0				1.5						
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**NV**		NO	0		5.6	3.1	15	*< 0.10*	*< 0.10*	*< 0.10*	1.8	*< 0.10*	2.2
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035	**NV**		NO	0										
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**NV**		NO	0		85	100	820	85	730	380	150	160	96
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		8.5	8	8.4	5.5	29	9.1	17	8.2	23
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**NV**		NO	0		4.8	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	6.4	*< 1.0*	*< 1.0*
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**NV**		NO	0		4	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	6.7	*< 1.0*	*< 1.0*
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**NV**		NO	0		120	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	160	*< 1.0*	*< 1.0*
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**NV**		NO	0		70	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	220	*< 1.0*	*< 1.0*
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**NV**		NO	0		200	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	390	*< 10*	*< 10*
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**NV**		NO	0		*< 1.0*	*< 1.0*	3.9	*< 1.0*	2.1	*< 1.0*	2.2	*< 1.0*	*< 1.0*
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**NV**		NO	0		7.6	*< 1.0*	11	*< 1.0*	4.1	*< 1.0*	8.4	*< 1.0*	*< 1.0*
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**NV**		NO	0		59	*< 1.0*	74	*< 1.0*	43	*< 1.0*	110	*< 1.0*	*< 1.0*
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**NV**		NO	0		25	*< 1.0*	23	*< 1.0*	15	*< 1.0*	110	*< 1.0*	*< 1.0*
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**NV**		NO	0		92	*< 10*	110	*< 10*	64	*< 10*	240	*< 10*	*< 10*
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**NV**		NO	0		290	*< 10*	110	*< 10*	64	*< 10*	630	*< 10*	*< 10*
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**NV**		NO	0		170	70	15	140	110	29	300	56	*< 10*
Benzene	<1	ug/l	42	0	<1	<1	<1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	<1	ug/l	42	2	<1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**20**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**2**		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Xylene	<1	ug/l	42	0	<1	<1	<1	**30**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
MTBE	<1	ug/l	42	0	<1	<1	<1	**260**	PNEC (EU REACH) - Coastal	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**50**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**10**		*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0		*< 27*		*< 27*		*< 27*		*< 27*	*< 27*	*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0		2		*< 1*		*< 1*		1	*< 1*	*< 1*
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH05 (S)	MS\BH05 (S)	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH09	MS\BH09	MS\BH11
												Depth	4.61-12.50	4.61-12.50	4.09-7.30	4.38-7.30	5.71-13.30	5.74-13.30	4.60-8.70	4.34-8.70	4.19-11.40
												Sampling Date	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2		< 2		< 2		< 2	< 2	< 2
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4		< 4		< 4		< 4	< 4	< 4
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	8	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		2		< 1		< 1		4	4	< 1
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4		< 4		< 4		< 4	< 4	< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2		< 2		< 2		< 2	< 2	< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2		< 2		< 2		< 2	< 2	< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	7.7	WFD England/Wales. 2015 - Saltwater Standards	NO	0		< 1.0		< 5.0		< 1.0		< 1.0	1.2	< 1.0
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	100	Methylphenols-SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH05 (S)	MS\BH05 (S)	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH09	MS\BH09	MS\BH11
												Depth	4.61-12.50	4.61-12.50	4.09-7.30	4.38-7.30	5.71-13.30	5.74-13.30	4.60-8.70	4.34-8.70	4.19-11.40
												Sampling Date	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Anthracene	<1	ug/l	28	0	<1	<1	<1	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	**8**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	**1.3**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**3**		< 1.0		**13**		< 1.0		< 1.0	**2.9**	< 1.0
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	**2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**1**		0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.3	0.1
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	**NV**		NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	**NV**		NO	0		<0.013	<0.013	0.053	<0.013	0.014	0.015	<0.013	<0.013	0.078
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	**NV**		NO	0		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	0.022
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	**NV**		NO	0		0.012	<0.011	<0.011	0.039	<0.011	<0.011	<0.011	<0.011	0.019
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	**0.0063**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**9**		<0.012	<0.012	<0.012	**0.019**	<0.012	<0.012	<0.012	<0.012	<0.012
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	**NV**		NO	0		<0.013	<0.013	<0.013	0.032	<0.013	<0.013	<0.013	<0.013	<0.013
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	**NV**		NO	0		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	**NV**		NO	0		<0.011	<0.011	<0.011	0.015	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018	**NV**		NO	0		<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	**0.00017**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	**see BaP and notes**	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	**NV**		NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	**0.00082**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	**NV**		NO	0		<0.195	<0.195	<0.195	0.205	<0.195	<0.195	<0.195	0.3	0.219
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	**2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH05 (S)	MS\BH05 (S)	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH09	MS\BH09	MS\BH11
												Depth	4.61-12.50	4.61-12.50	4.09-7.30	4.38-7.30	5.71-13.30	5.74-13.30	4.60-8.70	4.34-8.70	4.19-11.40
												Sampling Date	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	**0.0063**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00017**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**see BaP and notes**	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00082**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
TAME	Non detect		22	0	Non detect	Non detect	Non detect	**NR**		NO	0			Not Detected		Not Detected		Not Detected		Not Detected	
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0										
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0										
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0										
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0										

n/US Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR All concentrations less than limit of detection. No screening value required.
NV No screening value available
1.1 Exceedance of EQS

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH11	MS\BH12 (D)	MS\BH12 (D)	MS\BH12 (S)	MS\BH12 (S)	MS\BH13 (D)	MS\BH13 (D)	MS\BH13 (S)
												Depth	4.17-11.40	4.11-34.50	3.98-34.50	4.09-20.50	4.01-20.50	2.28-20.00	2.35-20.00	2.29-9.50
												Sampling Date	17/11/2021	18/10/2021	17/11/2021	12/10/2021	17/11/2021	12/10/2021	16/11/2021	12/10/2021
												Monitoring Unit	TFD SAND	RMF	RMF	GLACIAL TILL	GLACIAL TILL	RMF	RMF	TFD SAND
Metals											-									
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**25**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		2.5	0.73	0.72	0.95	1.3	0.95	1	16
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**7000**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		690	700	550	180	36	590	650	630
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**0.2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.03*	0.08	*< 0.03*	*< 0.03*	*< 0.03*	0.19	0.2	*< 0.03*
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**NV**		NO	0		*< 1.0*	2.2	*< 1.0*	6.1	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**0.6**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**3.76**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 0.4*	1.5	*< 0.4*	0.9	*< 0.4*	1.7	1.5	*< 0.4*
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**1000**	WFD England/Wales. 2015 - Saltwater Standards	YES	**5**		130	**4500**	**2700**	23	15	7.6	83	350
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**1.3**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**3**		0.38	1.1	*< 0.09*	0.23	*< 0.09*	**2.5**	0.69	*< 0.09*
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**0.07**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	YES	**14**		0.04	0.03	0.04	0.02	0.03	*< 0.01*	*< 0.01*	0.01
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**8.6**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**1**		1	2.4	0.7	2.7	5.8	7.6	**15**	1
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**NV**		NO	0		0.29	0.63	*< 0.25*	3	7.8	0.7	0.61	0.27
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**100**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		13	2.2	0.6	4.8	3	*< 0.6*	*< 0.6*	1.3
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6.8**	WFD England/Wales. 2015 - Saltwater Standards	YES	**8**		3.4	**8.5**	1.6	1.9	*< 1.3*	**22**	**18**	3.8
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		8.7	7.2	7	**11.6**	**11.8**	7.2	7	8.2
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.001**	WFD England/Wales. 2015 - Saltwater Standards	YES	**36**		**0.012**	0.0003	0.0006	**0.0099**	**0.0055**	**0.0022**	0.0009	**0.039**
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.001**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**6**		0.0005	*< 0.0001*	*< 0.0001*	**0.0018**	0.0005	0.0007	0.0009	**0.0056**
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**NV**		NO	0		240	32	*< 20*	25	*< 20*	42	*< 20*	9300
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		126	1780	1650	349	1740	6550	6140	416
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		4.6	7.9	6.8	4.9	5	5.8	6.4	5.4
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.021**	WFD England/Wales. 2015 - Saltwater Standards (unionised ammonia)	YES	**41**		**3.8**	**6.5**	**5.6**	**4.1**	**4.1**	**4.8**	**5.3**	**4.5**
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**NV**		NO	0		0.25	140						
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0				0.44	*< 0.10*	0.39	*< 0.10*	*< 0.10*	*< 0.10*
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**NV**		NO	0		*< 0.10*			23		440		44
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035	**NV**		NO	0			*< 0.035*	*< 0.035*		*< 0.035*		*< 0.035*	
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**NV**		NO	0		110	210	170	380	1100	3000	2600	1100
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		11	41	37	62	190	2	1.8	6.8
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	1	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	6.1	*< 1.0*	10
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	4.3	*< 1.0*	15
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	79	*< 1.0*	80
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	20	*< 1.0*	49
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**NV**		NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	110	*< 10*	150
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	13	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	23	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	3.1	*< 1.0*	2.7
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**NV**		NO	0		2.5	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	9.2	*< 1.0*	7.1
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**NV**		NO	0		24	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	42	*< 1.0*	33
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**NV**		NO	0		1.5	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	6.2	*< 1.0*	7.5
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**NV**		NO	0		29	*< 10*	*< 10*	*< 10*	36	61	*< 10*	50
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**NV**		NO	0		29	*< 10*	*< 10*	*< 10*	37	170	*< 10*	200
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**NV**		NO	0		59	180	76	73	110	86	58	100
Benzene	<1	ug/l	42	0	<1	<1	<1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	<1	ug/l	42	2	<1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	13	*< 1.0*	*< 1.0*	*< 1.0*
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**20**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**2**		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	**23**	*< 1.0*	*< 1.0*	*< 1.0*
Xylene	<1	ug/l	42	0	<1	<1	<1	**30**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
MTBE	<1	ug/l	42	0	<1	<1	<1	**260**	PNEC (EU REACH) - Coastal	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**50**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**10**		**910**	**610**	**510**	*< 100*	*< 100*	**2000**	**1200**	**160**
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0		*< 27*	*< 27*	*< 27*		*< 27*			*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH11	MS\BH12 (D)	MS\BH12 (D)	MS\BH12 (S)	MS\BH12 (S)	MS\BH13 (D)	MS\BH13 (D)	MS\BH13 (S)
												Depth	4.17-11.40	4.11-34.50	3.98-34.50	4.09-20.50	4.01-20.50	2.28-20.00	2.35-20.00	2.29-9.50
												Sampling Date	17/11/2021	18/10/2021	17/11/2021	12/10/2021	17/11/2021	12/10/2021	16/11/2021	12/10/2021
												Monitoring Unit	TFD SAND	RMF	RMF	GLACIAL TILL	GLACIAL TILL	RMF	RMF	TFD SAND
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2	< 2		< 2			< 2
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4	< 4	< 4		< 4			< 4
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	8	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		< 1	< 1	< 1		< 1			< 1
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4	< 4	< 4		< 4			< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2	< 2		< 2			< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2	< 2		< 2			< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	7.7	WFD England/Wales. 2015 - Saltwater Standards	NO	0		< 1.0	3.5	< 1.0		< 1.0			< 1.0
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	100	Methylphenols-SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH11	MS\BH12 (D)	MS\BH12 (D)	MS\BH12 (S)	MS\BH12 (S)	MS\BH13 (D)	MS\BH13 (D)	MS\BH13 (S)
												Depth	4.17-11.40	4.11-34.50	3.98-34.50	4.09-20.50	4.01-20.50	2.28-20.00	2.35-20.00	2.29-9.50
												Sampling Date	17/11/2021	18/10/2021	17/11/2021	12/10/2021	17/11/2021	12/10/2021	16/11/2021	12/10/2021
												Monitoring Unit	TFD SAND	RMF	RMF	GLACIAL TILL	GLACIAL TILL	RMF	RMF	TFD SAND
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Anthracene	<1	ug/l	28	0	<1	<1	<1	0.1	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	8	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		< 1.0	< 1.0	< 1.0		< 1.0			2
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	1.3	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	3		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	2	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	1			<0.1	<0.1	0.4	0.7	<0.1	<0.1	<0.1
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	NV		NO	0			<0.013	<0.013	0.015	<0.013	<0.013	<0.013	<0.013
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	NV		NO	0			0.061	<0.013	0.271	<0.013	<0.013	<0.013	<0.013
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	NV		NO	0			0.017	<0.014	0.065	<0.014	<0.014	<0.014	<0.014
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	NV		NO	0			<0.011	0.011	0.015	0.011	<0.011	<0.011	<0.011
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	0.1	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0			<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	0.0063	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	9			<0.012	0.013	<0.012	<0.012	<0.012	0.012	<0.012
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	NV		NO	0			<0.013	<0.013	<0.013	<0.013	<0.013	0.013	<0.013
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	NV		NO	0			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	NV		NO	0			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018	NV		NO	0			<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	0.00017	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0			<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	see BaP and notes	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	NV		NO	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	0.00082	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	NV		NO	0			<0.195	<0.195	0.766	0.711	<0.195	<0.195	<0.195
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.017	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.017	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	2	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		0.11	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	NV		NO	0		0.003	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	NV		NO	0		0.044	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	NV		NO	0		0.012	n/US	n/US	n/US	n/US	<0.001	n/US	n/US

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH11	MS\BH12 (D)	MS\BH12 (D)	MS\BH12 (S)	MS\BH12 (S)	MS\BH13 (D)	MS\BH13 (D)	MS\BH13 (S)
												Depth	4.17-11.40	4.11-34.50	3.98-34.50	4.09-20.50	4.01-20.50	2.28-20.00	2.35-20.00	2.29-9.50
												Sampling Date	17/11/2021	18/10/2021	17/11/2021	12/10/2021	17/11/2021	12/10/2021	16/11/2021	12/10/2021
												Monitoring Unit	TFD SAND	RMF	RMF	GLACIAL TILL	GLACIAL TILL	RMF	RMF	TFD SAND
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	**NV**		NO	0		0.005	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	**0.0063**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		0.001	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	**NV**		NO	0		0.003	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	**NV**		NO	0		*<0.002*	n/US	n/US	n/US	n/US	*<0.002*	n/US	n/US
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00017**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**see BaP and notes**	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00082**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		0.178	n/US	n/US	n/US	n/US	*<0.016*	n/US	n/US
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
TAME	Non detect		22	0	Non detect	Non detect	Non detect	**NR**		NO	0		Not Detected		Not Detected		Not Detected		Not Detected	
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0									
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0									
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									

n/US	Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR	All concentrations less than limit of detection. No screening value required.
NV	No screening value available
1.1	Exceedance of EQS

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH13 (S)	MS\BH14	MS\BH14	MS\BH15 (D)	MS\BH15 (D)	MS\BH15 (S)	MS\BH15 (S)	MS\BH17
												Depth	2.28-9.50	3.63-8.00	3.60-8.00	3.51-12.00	3.57-12.00	3.49-5.00	3.53-5.00	5.65-20.00
												Sampling Date	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	MADE GROUND	RMF
Metals											-									
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**25**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		10	**61**	2.5	10	8.2	12	7.9	6.5
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**7000**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		620	59	*< 12*	100	64	92	58	*< 12*
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**0.2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.03*	0.08	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**0.6**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**3.76**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		1.2	1	0.8	*< 0.4*	*< 0.4*	*< 0.4*	0.6	*< 0.4*
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**1000**	WFD England/Wales. 2015 - Saltwater Standards	YES	**5**		890	230	40	11	11	9.2	22	28
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**1.3**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**3**		0.1	**1.6**	0.26	*< 0.09*	*< 0.09*	0.11	*< 0.09*	0.11
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**0.07**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	YES	**14**		*< 0.01*	**0.19**	*< 0.01*	**0.16**	**0.17**	**0.25**	**0.19**	**0.28**
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**8.6**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**1**		1.3	6.3	*< 0.5*	*< 0.5*	0.6	1	0.9	3.2
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**NV**		NO	0		*< 0.25*	1.6	*< 0.25*	5.1	2	6.8	5.2	4.4
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**100**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		2	33	*< 0.6*	*< 0.6*	0.6	22	96	31
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6.8**	WFD England/Wales. 2015 - Saltwater Standards	YES	**8**		**8.8**	**17**	3	*< 1.3*	*< 1.3*	*< 1.3*	*< 1.3*	2.2
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		8	10.9	**11.3**	10	10.3	10.9	10.9	**11.1**
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.001**	WFD England/Wales. 2015 - Saltwater Standards	YES	**36**		*< 0.0001*	**0.0051**	**0.0045**	**0.015**	**0.011**	**0.012**	**0.0082**	**0.037**
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.001**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**6**		*< 0.0001*	0.0002	*< 0.0001*	0.0005	0.0002	0.0003	0.0003	0.0004
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**NV**		NO	0		7400	200	210	270	280	220	220	110
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		433	104	4.49	1010	2230	873	1060	783
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		6.4	8.5	5.8	2.6	2.2	2.3	1.8	3.9
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.021**	WFD England/Wales. 2015 - Saltwater Standards (unionised ammonia)	YES	**41**		**5.3**	**7**	**4.8**	**2.1**	**1.9**	**1.9**	**1.5**	**3.2**
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**NV**		NO	0			*< 0.10*	0.82	0.19	*< 0.10*	*< 0.10*	0.12	*< 0.10*
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0		*< 0.10*							
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**NV**		NO	0			2.7	1.8	3.7	0.42	2.9	1.7	7.3
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035	**NV**		NO	0		*< 0.035*							
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**NV**		NO	0		350	130	400	1100	1300	880	970	810
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		6.1	14	5.9	3	100	3.4	6.3	5.2
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**NV**		NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**NV**		NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	2.5	*< 1.0*	*< 1.0*
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	8.3	*< 1.0*	*< 1.0*
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	3.6	*< 1.0*	*< 1.0*
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**NV**		NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**NV**		NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	15	*< 10*	*< 10*
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**NV**		NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	15	*< 10*	*< 10*
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**NV**		NO	0		*< 10*	*< 10*	120	*< 10*	130	*< 10*	96	*< 10*
Benzene	<1	ug/l	42	0	<1	<1	<1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	<1	ug/l	42	2	<1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**20**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**2**		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Xylene	<1	ug/l	42	0	<1	<1	<1	**30**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
MTBE	<1	ug/l	42	0	<1	<1	<1	**260**	PNEC (EU REACH) - Coastal	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**50**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**10**		**170**	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0		*< 27*	*< 27*		*< 27*		*< 27*	*< 27*	*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH13 (S)	MS\BH14	MS\BH14	MS\BH15 (D)	MS\BH15 (D)	MS\BH15 (S)	MS\BH15 (S)	MS\BH17
												Depth	2.28-9.50	3.63-8.00	3.60-8.00	3.51-12.00	3.57-12.00	3.49-5.00	3.53-5.00	5.65-20.00
												Sampling Date	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	MADE GROUND	RMF
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2		< 2		< 2	< 2	< 2
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4	< 4		< 4		< 4	< 4	< 4
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	8	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4	< 4		< 4		< 4	< 4	< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2		< 2		< 2	< 2	< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2		< 2		< 2	< 2	< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	7.7	WFD England/Wales. 2015 - Saltwater Standards	NO	0		< 1.0	2.4		< 1.0		< 1.0	< 1.0	< 1.0
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	100	Methylphenols-SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		< 1.0	13		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH13 (S)	MS\BH14	MS\BH14	MS\BH15 (D)	MS\BH15 (D)	MS\BH15 (S)	MS\BH15 (S)	MS\BH17
												Depth	2.28-9.50	3.63-8.00	3.60-8.00	3.51-12.00	3.57-12.00	3.49-5.00	3.53-5.00	5.65-20.00
												Sampling Date	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	MADE GROUND	RMF
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Anthracene	<1	ug/l	28	0	<1	<1	<1	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	**8**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		1.2	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	**1.3**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**3**		< 1.0	1.1		< 1.0		< 1.0	< 1.0	< 1.0
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	**2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**1**		<0.1	0.4	<0.1	**5.1**	<0.1	0.6	<0.1	0.6
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	**NV**		NO	0		<0.013	<0.013	0.013	0.02	<0.013	0.202	0.18	0.025
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	**NV**		NO	0		<0.013	0.611	0.157	0.986	0.074	0.589	0.361	0.141
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	**NV**		NO	0		<0.014	0.158	0.026	0.11	<0.014	0.28	0.185	0.03
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	**NV**		NO	0		<0.011	0.361	<0.011	0.015	0.011	0.152	0.096	0.038
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		<0.013	0.026	<0.013	<0.013	<0.013	<0.013	0.015	<0.013
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	**0.0063**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**9**		<0.012	**0.053**	**0.266**	<0.012	<0.012	**0.018**	**0.031**	<0.012
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	**NV**		NO	0		<0.013	0.036	0.168	<0.013	<0.013	0.015	0.02	<0.013
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	**NV**		NO	0		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	**NV**		NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018	**NV**		NO	0		<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	**0.00017**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	**see BaP and notes**	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	**NV**		NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	**0.00082**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	**NV**		NO	0		<0.195	1.645	0.63	6.231	<0.195	1.856	0.888	0.834
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	**2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH13 (S)	MS\BH14	MS\BH14	MS\BH15 (D)	MS\BH15 (D)	MS\BH15 (S)	MS\BH15 (S)	MS\BH17
												Depth	2.28-9.50	3.63-8.00	3.60-8.00	3.51-12.00	3.57-12.00	3.49-5.00	3.53-5.00	5.65-20.00
												Sampling Date	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	MADE GROUND	RMF
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	**0.0063**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00017**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**see BaP and notes**	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00082**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
TAME	Non detect		22	0	Non detect	Non detect	Non detect	**NR**		NO	0		Not Detected		Not Detected		Not Detected		Not Detected	
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0									
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0									
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									

n/US Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR All concentrations less than limit of detection. No screening value required.
NV No screening value available
1.1 Exceedance of EQS

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3
												Exploratory monitoring well	MS\BH17	Trip Blank	TRIP BLANK
												Depth	5.64-20.00		
												Sampling Date	16/11/2021	13/10/2021	15/11/2021
												Monitoring Unit	RMF		
Metals											-				
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**25**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		1.6		
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*		
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**7000**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		*< 12*		
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**0.2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.03*		
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**NV**		NO	0		*< 1.0*		
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**0.6**	WFD England/Wales. 2015 - Saltwater Standards	YES	**1**		*< 7.0*		
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**3.76**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		1.6		
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**1000**	WFD England/Wales. 2015 - Saltwater Standards	YES	**5**		81		
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**1.3**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**3**		0.49		
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**0.07**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	YES	**14**		*< 0.01*		
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**8.6**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**1**		*< 0.5*		
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**NV**		NO	0		0.43		
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**100**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		1.6		
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6.8**	WFD England/Wales. 2015 - Saltwater Standards	YES	**8**		*< 1.3*		
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		**11.3**		
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.001**	WFD England/Wales. 2015 - Saltwater Standards	YES	**36**		**0.076**		
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.001**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**6**		*< 0.0001*		
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**NV**		NO	0		120		
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		27.5		
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		3.3		
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.021**	WFD England/Wales. 2015 - Saltwater Standards (unionised ammonia)	YES	**41**		**2.7**		
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**NV**		NO	0		*< 0.10*		
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0				
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**NV**		NO	0		*< 0.10*		
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035	**NV**		NO	0				
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**NV**		NO	0		920		
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		4.3		
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**NV**		NO	0		*< 0.1*		
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**NV**		NO	0		*< 0.1*		
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**NV**		NO	0		*< 0.1*		
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**NV**		NO	0		*< 1.0*		
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**NV**		NO	0		*< 1.0*		
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**NV**		NO	0		*< 1.0*		
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**NV**		NO	0		*< 1.0*		
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**NV**		NO	0		*< 10*		
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 0.1*		
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 0.1*		
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**NV**		NO	0		*< 0.1*		
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**NV**		NO	0		*< 1.0*		
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**NV**		NO	0		*< 1.0*		
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**NV**		NO	0		*< 1.0*		
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**NV**		NO	0		*< 1.0*		
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**NV**		NO	0		*< 10*		
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**NV**		NO	0		*< 10*		
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**NV**		NO	0		120		
Benzene	<1	ug/l	42	0	<1	<1	<1	**8**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 1.0*		
Toluene	<1	ug/l	42	2	<1	19	16.00	**74**	WFD England/Wales. 2015 - Saltwater Standards	NO	0		*< 1.0*		
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**20**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**2**		*< 1.0*		
Xylene	<1	ug/l	42	0	<1	<1	<1	**30**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		*< 1.0*		
MTBE	<1	ug/l	42	0	<1	<1	<1	**260**	PNEC (EU REACH) - Coastal	NO	0		*< 1.0*		
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**50**	SEPA WAT-SG-53 Marine EQS - AA - 2015	YES	**10**		*< 100*		
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0		*< 27*	*< 27*	*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0		*< 1*	*< 1*	*< 1*
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3
												Exploratory monitoring well	MS\BH17	Trip Blank	TRIP BLANK
												Depth	5.64-20.00		
												Sampling Date	16/11/2021	13/10/2021	15/11/2021
												Monitoring Unit	RMF		
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2	< 2
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4	< 4	< 4
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0		< 1	< 1	< 1
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	8	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		< 1	< 1	< 1
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4	< 4	< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2	< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2	< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	7.7	WFD England/Wales. 2015 - Saltwater Standards	NO	0		< 1.0		
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0		< 1.0		
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	100	Methylphenols-SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		< 1.0		
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3
												Exploratory monitoring well	MS\BH17	Trip Blank	TRIP BLANK
												Depth	5.64-20.00		
												Sampling Date	16/11/2021	13/10/2021	15/11/2021
												Monitoring Unit	RMF		
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	**NR**		NO	0		*< 1.0*		
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Fluorene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Anthracene	<1	ug/l	28	0	<1	<1	<1	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*< 1.0*		
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	**8**	SEPA WAT-SG-53 Marine EQS - AA - 2015	NO	0		*< 1.0*		
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Pyrene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Chrysene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	**1.3**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**3**		*< 1.0*		
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Azobenzene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Carbazole	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	**NR**		NO	0		*< 1.0*		
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	**2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**1**		*<0.1*		
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	**NV**		NO	0		0.021		
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	**NV**		NO	0		0.184		
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	**NV**		NO	0		0.037		
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	**NV**		NO	0		0.034		
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*<0.013*		
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	**0.0063**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	YES	**9**		**0.032**		
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	**NV**		NO	0		0.025		
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	**NV**		NO	0		*<0.015*		
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	**NV**		NO	0		*<0.011*		
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018	**NV**		NO	0		*<0.018*		
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	**0.00017**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		*<0.016*		
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	**see BaP and notes**	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		*<0.011*		
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	**NV**		NO	0		*<0.01*		
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	**0.00082**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		*<0.011*		
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	**NV**		NO	0		0.333		
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		*<0.01*		
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		*<0.01*		
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	**2**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US		
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	**NV**		NO	0		n/US		
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	**NV**		NO	0		n/US		
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	**NV**		NO	0		n/US		

Groundwater Chemical Screening Against EQS Protective of Surface Water
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	SCREENING VALUE EQS COASTAL	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3
												Exploratory monitoring well	MS\BH17	Trip Blank	TRIP BLANK
												Depth	5.64-20.00		
												Sampling Date	16/11/2021	13/10/2021	15/11/2021
												Monitoring Unit	RMF		
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	**NV**		NO	0		n/US		
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.1**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US		
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	**0.0063**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US		
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	**NV**		NO	0		n/US		
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US		
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US		
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	**NV**		NO	0		n/US		
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00017**	WFD England/Wales. 2015 - AA-EQS Trans./Coastal	NO	0		n/US		
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**see BaP and notes**	Water Env't Regs (Scotland) 2015. AA-EQS Coast	NO	0		n/US		
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**NV**		NO	0		n/US		
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.00082**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US		
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		n/US		
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US		
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.017**	WFD England/Wales. 2015 - MAC-EQS Trans./Coastal	NO	0		n/US		
TAME	Non detect		22	0	Non detect	Non detect	Non detect	**NR**		NO	0		Not Detected		
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0				
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0				
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0				
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0				

n/US	Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR	All concentrations less than limit of detection. No screening value required.
NV	No screening value available
1.1	Exceedance of EQS

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	DUPLICATE A (MS\BH09)	DUPLICATE B (MS\BH14)	LF\BH01 (D)	LF\BH01 (D)	LF\BH01 (S)	LF\BH01 (S)	MS\BH03 (D)	MS\BH03 (S)
												Depth	4.34-8.70	3.60-8.00	4.61-38.00	4.56-38.00	4.64-8.10	4.58-8.10	1.87-28.50	1.91-2.70
												Sampling Date	15/11/2021	16/11/2021	18/10/2021	17/11/2021	18/10/2021	17/11/2021	13/10/2021	17/11/2021
												Monitoring Unit	TFD SAND	TFD SAND	RMF	RMF	TFD SAND	TFD SAND	RMF	MADE GROUND
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**10**	WS Regs 2016 (Eng/Wal)	YES	**5**		9.4	**23**	5.1	9.1	9.7	**11**	6.8	4.2
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**12**	WHO DWG 2017	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**1000**	WS Regs 2016 (Eng/Wal)	NO	0		230	*< 12*	270	240	320	350	570	450
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**5**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.03*	0.07	0.04	0.04	0.03	*< 0.03*	*< 0.03*	*< 0.03*
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*	*< 1.0*	7.9	*< 1.0*	16	*< 1.0*	*< 1.0*	*< 1.0*
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**2000**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.4*	0.7	3.3	1.8	0.5	*< 0.4*	*< 0.4*	*< 0.4*
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**200**	WS Regs 2016 (Eng/Wal)	YES	**12**		64	16	56	34	30	19	**11000**	86
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**10**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.09*	0.57	1.4	0.23	0.4	*< 0.09*	*< 0.09*	*< 0.09*
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**1**	WS Regs 2016 (Eng/Wal)	NO	0		0.06	0.36	0.17	0.19	0.15	0.11	0.06	0.07
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**20**	WS Regs 2016 (Eng/Wal)	NO	0		0.9	5.5	6.2	4.4	1.5	0.9	0.6	*< 0.5*
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**10**	WS Regs 2016 (Eng/Wal)	NO	0		1.8	2.5	3	2	1.4	1.3	0.8	1.1
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**86**	USEPA RSL (tapwater) [May 2020]	YES	**1**		2.2	6.6	8.1	7.1	3.8	0.7	0.9	2
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6000**	USEPA RSL (tapwater) [May 2020]	NO	0		3	3.1	10	6.2	4.9	2.5	1.7	3
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		9.2	**11.3**	**11.3**	10.6	10.2	9.2	7.7	8.2
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.05**	WS Regs 2016 (Eng/Wal)	YES	**1**		0.0053	0.0052	0.0048	0.0052	0.0063	0.0057	0.0001	0.0084
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.05**	WS Regs 2016 (Eng/Wal)	NO	0		0.0003	0.0002	0.0008	0.0003	0.0002	0.0003	*< 0.0001*	0.0004
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**4**	USEPA RSL (tapwater) [May 2020]	YES	**29**		**110**	**230**	**46**	*< 20*	*< 20*	**37**	*< 20*	*< 20*
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		128	437	723	837	1050	991	6410	945
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		6.4	5.7	0.47	0.18	0.098	0.097	3	0.11
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.5**	WS Regs 2016 (Eng/Wal) as NH4	YES	**33**		**5.2**	**4.7**	0.39	0.15	0.08	0.08	**2.5**	0.09
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**50**	WS Regs 2016 (Eng/Wal)	YES	**1**		*< 0.10*	*< 0.10*	17			0.31		0.34
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0					0.24	0.35		*< 0.10*	
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**0.5**	WS Regs 2016 (Eng/Wal)	YES	**18**		*< 0.10*	*< 0.10*				*< 0.10*		*< 0.10*
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035			NO	0				*< 0.035*	*< 0.035*	*< 0.035*		*< 0.035*	
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**250**	WS Regs 2016 (Eng/Wal)	YES	**28**		160	**420**	**820**	7.5	**900**	**840**	**2700**	**840**
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		4.7	5.1	*< 1.0*	180	23	11	64	6
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**700**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**90**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**90**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**90**	WHO Petroleum DWG 2008	YES	**1**		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**90**	WHO Petroleum DWG 2008	YES	**1**		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		72	120	87	130	190	150	130	140
Benzene	<1	ug/l	42	0	<1	<1	<1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	<1	ug/l	42	2	<1	19	16.00	**700**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**300**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Xylene	<1	ug/l	42	0	<1	<1	<1	**500**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
MTBE	<1	ug/l	42	0	<1	<1	<1	**1800**	AECOM DWG (WHO method)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**5800**	USEPA RSL (tapwater) [May 2020] (phenol)	NO	0		*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	1100	*< 100*
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0		*< 27*		*< 27*	*< 27*		*< 27*	*< 27*	*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*	*< 1*		*< 1*	*< 1*	*< 1*
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	**NR**		NO	0		*< 2*		*< 2*	*< 2*		*< 2*	*< 2*	*< 2*
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	**NR**		NO	0		*< 4*		*< 4*	*< 4*		*< 4*	*< 4*	*< 4*

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	DUPLICATE A (MS\BH09)	DUPLICATE B (MS\BH14)	LF\BH01 (D)	LF\BH01 (D)	LF\BH01 (S)	LF\BH01 (S)	MS\BH03 (D)	MS\BH03 (S)
												Depth	4.34-8.70	3.60-8.00	4.61-38.00	4.56-38.00	4.64-8.10	4.58-8.10	1.87-28.50	1.91-2.70
												Sampling Date	15/11/2021	16/11/2021	18/10/2021	17/11/2021	18/10/2021	17/11/2021	13/10/2021	17/11/2021
												Monitoring Unit	TFD SAND	TFD SAND	RMF	RMF	TFD SAND	TFD SAND	RMF	MADE GROUND
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	1	WS Regs 2016 (Eng/Wal)	YES	5		4		< 1	< 1		< 1	< 1	< 1
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4		< 4	< 4		< 4	< 4	< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2		< 2	< 2		< 2	< 2	< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2		< 2	< 2		< 2	< 2	< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1	< 1		< 1	< 1	< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	5800	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0		1.9	1.3		< 1.0	< 1.0	< 1.0
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0		< 1.0		2.2	1.5		< 1.0	< 1.0	< 1.0
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	930	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	DUPLICATE A (MS\BH09)	DUPLICATE B (MS\BH14)	LF\BH01 (D)	LF\BH01 (D)	LF\BH01 (S)	LF\BH01 (S)	MS\BH03 (D)	MS\BH03 (S)
												Depth	4.34-8.70	3.60-8.00	4.61-38.00	4.56-38.00	4.64-8.10	4.58-8.10	1.87-28.50	1.91-2.70
												Sampling Date	15/11/2021	16/11/2021	18/10/2021	17/11/2021	18/10/2021	17/11/2021	13/10/2021	17/11/2021
												Monitoring Unit	TFD SAND	TFD SAND	RMF	RMF	TFD SAND	TFD SAND	RMF	MADE GROUND
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	900	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	8	WHO DWG 2017	YES	1		< 1.0		5	< 1.0		< 1.0	< 1.0	< 1.0
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	6	AECOM DWG (WHO method)	NO	0		0.2	<0.1	0.1	0.8	0.2	0.2	0.8	
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	18	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	<0.013	0.013	<0.013	<0.013	<0.013	
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	18	AECOM DWG (WHO method)	NO	0		<0.013	0.13	0.039	0.08	0.04	<0.013	<0.013	
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	12	AECOM DWG (WHO method)	NO	0		<0.014	0.025	<0.014	0.028	<0.014	<0.014	<0.014	
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	4	AECOM DWG (WHO method)	NO	0		<0.011	<0.011	0.011	0.026	<0.011	0.015	<0.011	
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	90	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	4	WHO DWG 2017	NO	0		<0.012	0.225	<0.012	<0.012	<0.012	<0.012	<0.012	
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	9	AECOM DWG (WHO method)	NO	0		<0.013	0.143	<0.013	0.015	<0.013	<0.013	<0.013	
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	3.5	AECOM DWG (WHO method)	NO	0		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	7	AECOM DWG (WHO method)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018			NO	0		<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	0.01	WS Regs 2016 (Eng/Wal)	NO	0		<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.07	AECOM DWG (WHO method)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	NV		NO	0		0.2	0.523	<0.195	0.962	0.24	0.215	0.8	
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Sum of 4 PAHs	<0.024	ug/l	40	0	<0.024	<0.024	<0.024	0.1	WS Regs 2016 (Eng/Wal)	NO	0		<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	6	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.052
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	18	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.001
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	18	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.001
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	12	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.002
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	4	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.004
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	90	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	<0.001
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	4	WHO DWG 2017	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	<0.001
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	9	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	<0.001
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	3.5	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	<0.001
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	7	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	<0.001
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	NV		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	<0.002
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	0.01	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	<0.001
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	<0.001

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	DUPLICATE A (MS\BH09)	DUPLICATE B (MS\BH14)	LF\BH01 (D)	LF\BH01 (D)	LF\BH01 (S)	LF\BH01 (S)	MS\BH03 (D)	MS\BH03 (S)
												Depth	4.34-8.70	3.60-8.00	4.61-38.00	4.56-38.00	4.64-8.10	4.58-8.10	1.87-28.50	1.91-2.70
												Sampling Date	15/11/2021	16/11/2021	18/10/2021	17/11/2021	18/10/2021	17/11/2021	13/10/2021	17/11/2021
												Monitoring Unit	TFD SAND	TFD SAND	RMF	RMF	TFD SAND	TFD SAND	RMF	MADE GROUND
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.07**	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	0.06
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	*<0.001*
TAME	Non Detect	ug/l	22	0	Non Detect	Non Detect	Non Detect	**NR**		NO	0		Not Detected	Not Detected		Not Detected		Not Detected		Not Detected
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0									*< 0.6*
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0									*< 0.5*
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									*< 0.2*
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									*< 0.3*
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									*< 1.0*
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									*< 1.0*

n/US Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR All concentrations less than limit of detection. No screening value required.
NV No screening value available
1.1 Exceedance of DWS

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	MS\BH03 (S)	MS\BH03 (D)	MS\BH04 (D)	MS\BH04 (D)	MS\BH04 (S)	MS\BH04 (S)	MS\BH05 (D)	MS\BH05 (D)
												Depth	1.87-2.70	1.98-28.50	2.51-28.50	2.40-28.50	2.32-5.00	2.35-5.00	5.64-29.90	5.69-29.90
												Sampling Date	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	12/10/2021	15/11/2021
												Monitoring Unit	MADE GROUND	RMF	TFD CLAY	TFD CLAY	TFD SAND	TFD SAND	RMF	RMF
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**10**	WS Regs 2016 (Eng/Wal)	YES	**5**		4	2	3.5	4.3	4.6	4	9.6	6.1
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**12**	WHO DWG 2017	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**1000**	WS Regs 2016 (Eng/Wal)	NO	0		490	430	550	640	610	550	190	180
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**5**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.03*	*< 0.03*	*< 0.03*	0.03	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*	*< 1.0*	5.9	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	9.2	*< 7.0*	*< 7.0*	*< 7.0*
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**2000**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.4*	*< 0.4*	1.2	*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**200**	WS Regs 2016 (Eng/Wal)	YES	**12**		120	**360**	**480**	**430**	**2400**	**1600**	24	51
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**10**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.09*	*< 0.09*	0.57	*< 0.09*	0.15	*< 0.09*	*< 0.09*	0.15
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**1**	WS Regs 2016 (Eng/Wal)	NO	0		0.07	0.09	*< 0.01*	0.01	*< 0.01*	*< 0.01*	0.05	0.05
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**20**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.5*	0.8	2.1	1.6	0.6	0.7	4.5	2.2
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**10**	WS Regs 2016 (Eng/Wal)	NO	0		1.5	0.3	0.83	0.6	0.33	0.49	0.56	0.35
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**86**	USEPA RSL (tapwater) [May 2020]	YES	**1**		4	1.5	*< 0.6*	*< 0.6*	*< 0.6*	*< 0.6*	1.9	0.8
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6000**	USEPA RSL (tapwater) [May 2020]	NO	0		*< 1.3*	1.5	3.8	2.4	*< 1.3*	2.6	1.4	5.7
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		8.2	7.1	**12**	8.1	8.5	7.7	9.5	9.6
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.05**	WS Regs 2016 (Eng/Wal)	YES	**1**		0.0098	0.0005	0.0056	0.0086	0.0095	0.0078	0.019	0.006
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.05**	WS Regs 2016 (Eng/Wal)	NO	0		0.0003	0.0001	0.0007	0.0021	0.001	0.0025	0.0016	0.0002
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**4**	USEPA RSL (tapwater) [May 2020]	YES	**29**		**23**	*< 20*	*< 20*	*< 20*	*< 20*	*< 20*	**3900**	**2700**
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		876	1490	1090	576	1280	1160	19.2	34.9
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		*< 0.015*	3.4	1.9	0.085	0.11	0.12	6.6	15
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.5**	WS Regs 2016 (Eng/Wal) as NH4	YES	**33**		*< 0.015*	**2.8**	**1.6**	0.07	0.091	0.1	**5.5**	**13**
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**50**	WS Regs 2016 (Eng/Wal)	YES	**1**		*< 0.10*			0.17		*< 0.10*	*< 0.10*	*< 0.10*
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0			*< 0.10*	*< 0.10*		*< 0.10*			
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**0.5**	WS Regs 2016 (Eng/Wal)	YES	**18**		**11**			**1.4**		**14**	**5.3**	*< 0.10*
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035			NO	0			*< 0.035*	*< 0.035*		*< 0.035*			
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**250**	WS Regs 2016 (Eng/Wal)	YES	**28**		**860**	**2100**	**1400**	**1400**	**1400**	**1500**	82	81
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		8.1	4.1	*< 1.0*	12	5.9	4.6	9.2	6
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	14	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	21	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	30	*< 1.0*
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	5.5	*< 1.0*
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	14	*< 1.0*	*< 1.0*	21	*< 1.0*
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	9.9	*< 1.0*	*< 1.0*	1.4	*< 1.0*
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	35	23	*< 10*	*< 10*	58	*< 10*
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**700**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	19	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	72	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**90**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**90**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**90**	WHO Petroleum DWG 2008	YES	**1**		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**90**	WHO Petroleum DWG 2008	YES	**1**		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	91	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	130	24	*< 10*	*< 10*	58	*< 10*
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		130	1100	110	93	*< 10*	64	330	190
Benzene	<1	ug/l	42	0	<1	<1	<1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	<1	ug/l	42	2	<1	19	16.00	**700**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	19	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**300**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	72	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Xylene	<1	ug/l	42	0	<1	<1	<1	**500**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
MTBE	<1	ug/l	42	0	<1	<1	<1	**1800**	AECOM DWG (WHO method)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**5800**	USEPA RSL (tapwater) [May 2020] (phenol)	NO	0		*< 100*	330	360	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0				*< 27*	*< 27*		*< 27*		*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0				*< 1*	*< 1*		*< 1*		1
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0				*< 1*	*< 1*		*< 1*		*< 1*
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	**NR**		NO	0				*< 2*	*< 2*		*< 2*		*< 2*
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	**NR**		NO	0				*< 4*	*< 4*		*< 4*		*< 4*

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	MS\BH03 (S)	MS\BH03 (D)	MS\BH04 (D)	MS\BH04 (D)	MS\BH04 (S)	MS\BH04 (S)	MS\BH05 (D)	MS\BH05 (D)
												Depth	1.87-2.70	1.98-28.50	2.51-28.50	2.40-28.50	2.32-5.00	2.35-5.00	5.64-29.90	5.69-29.90
												Sampling Date	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	12/10/2021	15/11/2021
												Monitoring Unit	MADE GROUND	RMF	TFD CLAY	TFD CLAY	TFD SAND	TFD SAND	RMF	RMF
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0				< 1	< 1				5
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	1	WS Regs 2016 (Eng/Wal)	YES	5				< 1	< 1		< 1		5
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0				< 4	< 4		< 4		< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0				< 2	< 2		< 2		< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0				< 2	< 2		< 2		< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0				< 1	< 1		< 1		< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	5800	USEPA RSL (tapwater) [May 2020]	NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	930	USEPA RSL (tapwater) [May 2020]	NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	MS\BH03 (S)	MS\BH03 (D)	MS\BH04 (D)	MS\BH04 (D)	MS\BH04 (S)	MS\BH04 (S)	MS\BH05 (D)	MS\BH05 (D)
												Depth	1.87-2.70	1.98-28.50	2.51-28.50	2.40-28.50	2.32-5.00	2.35-5.00	5.64-29.90	5.69-29.90
												Sampling Date	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	12/10/2021	15/11/2021
												Monitoring Unit	MADE GROUND	RMF	TFD CLAY	TFD CLAY	TFD SAND	TFD SAND	RMF	RMF
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0				< 1.0	1.1		< 1.0		< 1.0
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	900	USEPA RSL (tapwater) [May 2020]	NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	8	WHO DWG 2017	YES	1				< 1.0	< 1.0		< 1.0		< 1.0
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0				< 1.0	< 1.0		< 1.0		< 1.0
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	6	AECOM DWG (WHO method)	NO	0		0.1	0.3	1.3	<0.1	0.2	<0.1	0.4	0.7
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	18	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	18	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	0.146	<0.013	0.053	<0.013	<0.013	<0.013
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	12	AECOM DWG (WHO method)	NO	0		<0.014	0.033	0.035	<0.014	0.015	<0.014	<0.014	<0.014
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	4	AECOM DWG (WHO method)	NO	0		<0.011	<0.011	0.017	<0.011	0.013	<0.011	0.016	<0.011
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	90	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	4	WHO DWG 2017	NO	0		<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	9	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	3.5	AECOM DWG (WHO method)	NO	0		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	7	AECOM DWG (WHO method)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018			NO	0		<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	0.01	WS Regs 2016 (Eng/Wal)	NO	0		<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.07	AECOM DWG (WHO method)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	NV		NO	0		<0.195	0.333	1.498	<0.195	0.281	<0.195	0.416	0.7
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sum of 4 PAHs	<0.024	ug/l	40	0	<0.024	<0.024	<0.024	0.1	WS Regs 2016 (Eng/Wal)	NO	0		<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	6	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	0.101	n/US	n/US	n/US
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	18	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	0.007	n/US	n/US	n/US
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	18	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	0.027	n/US	n/US	n/US
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	12	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	0.006	n/US	n/US	n/US
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	4	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	<0.001	n/US	n/US	n/US
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	90	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	<0.001	n/US	n/US	n/US
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	4	WHO DWG 2017	NO	0		n/US	n/US	n/US	n/US	0.002	n/US	n/US	n/US
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	9	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	0.003	n/US	n/US	n/US
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	3.5	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	<0.001	n/US	n/US	n/US
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	7	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	<0.001	n/US	n/US	n/US
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	NV		NO	0		n/US	n/US	n/US	n/US	<0.002	n/US	n/US	n/US
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	0.01	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	<0.001	n/US	n/US	n/US
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	<0.001	n/US	n/US	n/US

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3
												Exploratory monitoring well	MS\BH03 (S)	MS\BH03 (D)	MS\BH04 (D)	MS\BH04 (D)	MS\BH04 (S)	MS\BH04 (S)	MS\BH05 (D)	MS\BH05 (D)
												Depth	1.87-2.70	1.98-28.50	2.51-28.50	2.40-28.50	2.32-5.00	2.35-5.00	5.64-29.90	5.69-29.90
												Sampling Date	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	12/10/2021	15/11/2021
												Monitoring Unit	MADE GROUND	RMF	TFD CLAY	TFD CLAY	TFD SAND	TFD SAND	RMF	RMF
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.07**	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		n/US	n/US	n/US	n/US	0.146	n/US	n/US	n/US
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US	n/US
TAME	Non Detect	ug/l	22	0	Non Detect	Non Detect	Non Detect	**NR**		NO	0			Not Detected		Not Detected		Not Detected		Not Detected
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0									
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0									
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									

n/US	Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR	All concentrations less than limit of detection. No screening value required.
NV	No screening value available
1.1	Exceedance of DWS

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH05 (S)	MS\BH05 (S)	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH09	MS\BH09	MS\BH11
												Depth	4.61-12.50	4.61-12.50	4.09-7.30	4.38-7.30	5.71-13.30	5.74-13.30	4.60-8.70	4.34-8.70	4.19-11.40
												Sampling Date	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**10**	WS Regs 2016 (Eng/Wal)	YES	**5**		7.4	6.8	8.7	5.8	3.9	3.2	7.4	7.9	3.5
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**12**	WHO DWG 2017	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**1000**	WS Regs 2016 (Eng/Wal)	NO	0		200	140	370	410	650	660	230	230	740
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**5**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*	*< 1.0*	2.4	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	1.1
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**2000**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.4*	*< 0.4*	1	*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*	*< 0.4*	0.8
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**200**	WS Regs 2016 (Eng/Wal)	YES	**12**		95	99	38	**340**	85	37	18	56	89
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**10**	WS Regs 2016 (Eng/Wal)	NO	0		0.1	0.12	0.56	*< 0.09*	*< 0.09*	*< 0.09*	0.11	0.26	
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**1**	WS Regs 2016 (Eng/Wal)	NO	0		0.03	0.02	0.06	*< 0.01*	0.04	0.05	0.13	0.12	0.07
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**20**	WS Regs 2016 (Eng/Wal)	NO	0		4.3	3.7	1.3	0.5	0.7	0.6	1.3	1.2	2.2
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**10**	WS Regs 2016 (Eng/Wal)	NO	0		0.49	0.31	2.3	*< 0.25*	0.74	0.47	5.6	2.6	0.41
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**86**	USEPA RSL (tapwater) [May 2020]	YES	**1**		1	0.9	1.5	*< 0.6*	4.2	5.6	15	3.3	20
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6000**	USEPA RSL (tapwater) [May 2020]	NO	0		*< 1.3*	1.3	11	*< 1.3*	*< 1.3*	1.7	*< 1.3*	2.1	51
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		9.5	9.6	8	8.1	8.3	8.3	9.2	9.3	8.9
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.05**	WS Regs 2016 (Eng/Wal)	YES	**1**		0.02	0.0089	0.013	0.0049	0.0085	0.0072	0.0051	0.012	0.014
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.05**	WS Regs 2016 (Eng/Wal)	NO	0		0.0017	0.0004	0.0007	0.0001	0.0003	0.0003	0.0003	0.0007	0.0004
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**4**	USEPA RSL (tapwater) [May 2020]	YES	**29**		**4400**	**4300**	*< 20*	**54**	**43**	**31**	**110**	**170**	**190**
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		19.5	11.1	647	769	552	577	106	108	128
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		12	23	1.1	1.8	2.3	3	6.6	6.3	4.1
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.5**	WS Regs 2016 (Eng/Wal) as NH4	YES	**33**		**10**	**19**	**0.91**	**1.5**	**1.9**	**2.5**	**5.4**	**5.2**	**3.3**
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**50**	WS Regs 2016 (Eng/Wal)	YES	**1**		*< 0.10*	0.15		*< 0.10*	*< 0.10*	*< 0.10*	*< 0.10*	0.36	*< 0.10*
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0				1.5						
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**0.5**	WS Regs 2016 (Eng/Wal)	YES	**18**		**5.6**	**3.1**	**15**	*< 0.10*	*< 0.10*	*< 0.10*	**1.8**	*< 0.10*	**2.2**
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035			NO	0										
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**250**	WS Regs 2016 (Eng/Wal)	YES	**28**		85	100	**820**	85	**730**	**380**	150	160	96
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		8.5	8	8.4	5.5	29	9.1	17	8.2	23
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**300**	WHO Petroleum DWG 2008	NO	0		4.8	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	6.4	*< 1.0*	*< 1.0*
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**300**	WHO Petroleum DWG 2008	NO	0		4	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	6.7	*< 1.0*	*< 1.0*
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**300**	WHO Petroleum DWG 2008	NO	0		120	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	160	*< 1.0*	*< 1.0*
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**300**	WHO Petroleum DWG 2008	NO	0		70	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	220	*< 1.0*	*< 1.0*
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		200	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	390	*< 10*	*< 10*
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**700**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**90**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	3.9	*< 1.0*	2.1	*< 1.0*	2.2	*< 1.0*	*< 1.0*
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**90**	WHO Petroleum DWG 2008	NO	0		7.6	*< 1.0*	11	*< 1.0*	4.1	*< 1.0*	8.4	*< 1.0*	*< 1.0*
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**90**	WHO Petroleum DWG 2008	YES	**1**		59	*< 1.0*	74	*< 1.0*	43	*< 1.0*	**110**	*< 1.0*	*< 1.0*
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**90**	WHO Petroleum DWG 2008	YES	**1**		25	*< 1.0*	23	*< 1.0*	15	*< 1.0*	**110**	*< 1.0*	*< 1.0*
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		92	*< 10*	110	*< 10*	64	*< 10*	240	*< 10*	*< 10*
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		290	*< 10*	110	*< 10*	64	*< 10*	630	*< 10*	*< 10*
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		170	70	15	140	110	29	300	56	*< 10*
Benzene	<1	ug/l	42	0	<1	<1	<1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	<1	ug/l	42	2	<1	19	16.00	**700**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**300**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Xylene	<1	ug/l	42	0	<1	<1	<1	**500**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
MTBE	<1	ug/l	42	0	<1	<1	<1	**1800**	AECOM DWG (WHO method)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**5800**	USEPA RSL (tapwater) [May 2020] (phenol)	NO	0		*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0		*< 27*		*< 27*		*< 27*		*< 27*	*< 27*	*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0		2		*< 1*		*< 1*		1	*< 1*	*< 1*
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*		*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	**NR**		NO	0		*< 2*		*< 2*		*< 2*		*< 2*	*< 2*	*< 2*
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	**NR**		NO	0		*< 4*		*< 4*		*< 4*		*< 4*	*< 4*	*< 4*

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH05 (S)	MS\BH05 (S)	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH09	MS\BH09	MS\BH11
												Depth	4.61-12.50	4.61-12.50	4.09-7.30	4.38-7.30	5.71-13.30	5.74-13.30	4.60-8.70	4.34-8.70	4.19-11.40
												Sampling Date	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	1	WS Regs 2016 (Eng/Wal)	YES	5		2		< 1		< 1		4	4	< 1
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4		< 4		< 4		< 4	< 4	< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2		< 2		< 2		< 2	< 2	< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2		< 2		< 2		< 2	< 2	< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1		< 1		< 1		< 1	< 1	< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	5800	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0		< 5.0		< 1.0		< 1.0	1.2	< 1.0
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	930	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH05 (S)	MS\BH05 (S)	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH09	MS\BH09	MS\BH11
												Depth	4.61-12.50	4.61-12.50	4.09-7.30	4.38-7.30	5.71-13.30	5.74-13.30	4.60-8.70	4.34-8.70	4.19-11.40
												Sampling Date	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	900	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	8	WHO DWG 2017	YES	1		< 1.0		13		< 1.0		< 1.0	2.9	< 1.0
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		< 5.0		< 1.0		< 1.0	< 1.0	< 1.0
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	6	AECOM DWG (WHO method)	NO	0		0.1	0.1	<0.1	0.1	<0.1	0.1	<0.1	0.3	0.1
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	18	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	18	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	0.053	<0.013	0.014	0.015	<0.013	<0.013	0.078
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	12	AECOM DWG (WHO method)	NO	0		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	0.022
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	4	AECOM DWG (WHO method)	NO	0		0.012	<0.011	<0.011	0.039	<0.011	<0.011	<0.011	<0.011	0.019
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	90	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	4	WHO DWG 2017	NO	0		<0.012	<0.012	<0.012	0.019	<0.012	<0.012	<0.012	<0.012	<0.012
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	9	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	<0.013	0.032	<0.013	<0.013	<0.013	<0.013	<0.013
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	3.5	AECOM DWG (WHO method)	NO	0		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	7	AECOM DWG (WHO method)	NO	0		<0.011	<0.011	<0.011	0.015	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018			NO	0		<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	0.01	WS Regs 2016 (Eng/Wal)	NO	0		<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.07	AECOM DWG (WHO method)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	NV		NO	0		<0.195	<0.195	<0.195	0.205	<0.195	<0.195	<0.195	0.3	0.219
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sum of 4 PAHs	<0.024	ug/l	40	0	<0.024	<0.024	<0.024	0.1	WS Regs 2016 (Eng/Wal)	NO	0		<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	6	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	18	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	18	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	12	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	4	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	90	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	4	WHO DWG 2017	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	9	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	3.5	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	7	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	NV		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	0.01	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R2	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH05 (S)	MS\BH05 (S)	MS\BH07	MS\BH07	MS\BH08	MS\BH08	MS\BH09	MS\BH09	MS\BH11
												Depth	4.61-12.50	4.61-12.50	4.09-7.30	4.38-7.30	5.71-13.30	5.74-13.30	4.60-8.70	4.34-8.70	4.19-11.40
												Sampling Date	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	12/10/2021	15/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.07**	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
TAME	Non Detect	ug/l	22	0	Non Detect	Non Detect	Non Detect	**NR**		NO	0			Not Detected		Not Detected		Not Detected		Not Detected	
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0										
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0										
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0										
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0										
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0										
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0										

n/US Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR All concentrations less than limit of detection. No screening value required.
NV No screening value available
1.1 Exceedance of DWS

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH11	MS\BH12 (D)	MS\BH12 (D)	MS\BH12 (S)	MS\BH12 (S)	MS\BH13 (D)	MS\BH13 (D)	MS\BH13 (S)
												Depth	4.17-11.40	4.11-34.50	3.98-34.50	4.09-20.50	4.01-20.50	2.28-20.00	2.35-20.00	2.29-9.50
												Sampling Date	17/11/2021	18/10/2021	17/11/2021	12/10/2021	17/11/2021	12/10/2021	16/11/2021	12/10/2021
												Monitoring Unit	TFD SAND	RMF	RMF	GLACIAL TILL	GLACIAL TILL	RMF	RMF	TFD SAND
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**10**	WS Regs 2016 (Eng/Wal)	YES	**5**		2.5	0.73	0.72	0.95	1.3	0.95	1	**16**
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**12**	WHO DWG 2017	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**1000**	WS Regs 2016 (Eng/Wal)	NO	0		690	700	550	180	36	590	650	630
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**5**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.03*	0.08	*< 0.03*	*< 0.03*	*< 0.03*	0.19	0.2	*< 0.03*
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*	2.2	*< 1.0*	6.1	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**2000**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.4*	1.5	*< 0.4*	0.9	*< 0.4*	1.7	1.5	*< 0.4*
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**200**	WS Regs 2016 (Eng/Wal)	YES	**12**		130	**4500**	**2700**	23	15	7.6	83	**350**
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**10**	WS Regs 2016 (Eng/Wal)	NO	0		0.38	1.1	*< 0.09*	0.23	*< 0.09*	2.5	0.69	*< 0.09*
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**1**	WS Regs 2016 (Eng/Wal)	NO	0		0.04	0.03	0.04	0.02	0.03	*< 0.01*	*< 0.01*	0.01
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**20**	WS Regs 2016 (Eng/Wal)	NO	0		1	2.4	0.7	2.7	5.8	7.6	15	1
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**10**	WS Regs 2016 (Eng/Wal)	NO	0		0.29	0.63	*< 0.25*	3	7.8	0.7	0.61	0.27
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**86**	USEPA RSL (tapwater) [May 2020]	YES	**1**		13	2.2	0.6	4.8	3	*< 0.6*	*< 0.6*	1.3
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6000**	USEPA RSL (tapwater) [May 2020]	NO	0		3.4	8.5	1.6	1.9	*< 1.3*	22	18	3.8
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		8.7	7.2	7	**11.6**	**11.8**	7.2	7	8.2
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.05**	WS Regs 2016 (Eng/Wal)	YES	**1**		0.012	0.0003	0.0006	0.0099	0.0055	0.0022	0.0009	0.039
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.05**	WS Regs 2016 (Eng/Wal)	NO	0		0.0005	*< 0.0001*	*< 0.0001*	0.0018	0.0005	0.0007	0.0009	0.0056
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**4**	USEPA RSL (tapwater) [May 2020]	YES	**29**		**240**	**32**	*< 20*	**25**	*< 20*	**42**	*< 20*	**9300**
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		126	1780	1650	349	1740	6550	6140	416
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		4.6	7.9	6.8	4.9	5	5.8	6.4	5.4
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.5**	WS Regs 2016 (Eng/Wal) as NH4	YES	**33**		**3.8**	**6.5**	**5.6**	**4.1**	**4.1**	**4.8**	**5.3**	**4.5**
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**50**	WS Regs 2016 (Eng/Wal)	YES	**1**		0.25	**140**						
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0				0.44	*< 0.10*	0.39	*< 0.10*	*< 0.10*	*< 0.10*
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**0.5**	WS Regs 2016 (Eng/Wal)	YES	**18**		*< 0.10*			**23**		**440**		**44**
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035			NO	0			*< 0.035*	*< 0.035*		*< 0.035*		*< 0.035*	
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**250**	WS Regs 2016 (Eng/Wal)	YES	**28**		110	210	170	**380**	**1100**	**3000**	**2600**	**1100**
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		11	41	37	62	190	2	1.8	6.8
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	1	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	6.1	*< 1.0*	10
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	4.3	*< 1.0*	15
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	79	*< 1.0*	80
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	20	*< 1.0*	49
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	110	*< 10*	150
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**700**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	13	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	23	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**90**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	3.1	*< 1.0*	2.7
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**90**	WHO Petroleum DWG 2008	NO	0		2.5	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	9.2	*< 1.0*	7.1
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**90**	WHO Petroleum DWG 2008	YES	**1**		24	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	42	*< 1.0*	33
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**90**	WHO Petroleum DWG 2008	YES	**1**		1.5	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	6.2	*< 1.0*	7.5
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		29	*< 10*	*< 10*	*< 10*	36	61	*< 10*	50
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		29	*< 10*	*< 10*	*< 10*	37	170	*< 10*	200
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		59	180	76	73	110	86	58	100
Benzene	<1	ug/l	42	0	<1	<1	<1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	<1	ug/l	42	2	<1	19	16.00	**700**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	13	*< 1.0*	*< 1.0*	*< 1.0*
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**300**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	23	*< 1.0*	*< 1.0*	*< 1.0*
Xylene	<1	ug/l	42	0	<1	<1	<1	**500**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
MTBE	<1	ug/l	42	0	<1	<1	<1	**1800**	AECOM DWG (WHO method)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**5800**	USEPA RSL (tapwater) [May 2020] (phenol)	NO	0		910	610	510	*< 100*	*< 100*	2000	1200	160
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0		*< 27*	*< 27*	*< 27*		*< 27*			*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*		*< 1*			*< 1*
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	**NR**		NO	0		*< 2*	*< 2*	*< 2*		*< 2*			*< 2*
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	**NR**		NO	0		*< 4*	*< 4*	*< 4*		*< 4*			*< 4*

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH11	MS\BH12 (D)	MS\BH12 (D)	MS\BH12 (S)	MS\BH12 (S)	MS\BH13 (D)	MS\BH13 (D)	MS\BH13 (S)
												Depth	4.17-11.40	4.11-34.50	3.98-34.50	4.09-20.50	4.01-20.50	2.28-20.00	2.35-20.00	2.29-9.50
												Sampling Date	17/11/2021	18/10/2021	17/11/2021	12/10/2021	17/11/2021	12/10/2021	16/11/2021	12/10/2021
												Monitoring Unit	TFD SAND	RMF	RMF	GLACIAL TILL	GLACIAL TILL	RMF	RMF	TFD SAND
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	1	WS Regs 2016 (Eng/Wal)	YES	5		< 1	< 1	< 1		< 1			< 1
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4	< 4	< 4		< 4			< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2	< 2		< 2			< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2	< 2		< 2			< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1		< 1			< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	5800	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0	3.5	< 1.0		< 1.0			< 1.0
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	930	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH11	MS\BH12 (D)	MS\BH12 (D)	MS\BH12 (S)	MS\BH12 (S)	MS\BH13 (D)	MS\BH13 (D)	MS\BH13 (S)
												Depth	4.17-11.40	4.11-34.50	3.98-34.50	4.09-20.50	4.01-20.50	2.28-20.00	2.35-20.00	2.29-9.50
												Sampling Date	17/11/2021	18/10/2021	17/11/2021	12/10/2021	17/11/2021	12/10/2021	16/11/2021	12/10/2021
												Monitoring Unit	TFD SAND	RMF	RMF	GLACIAL TILL	GLACIAL TILL	RMF	RMF	TFD SAND
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	900	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0	< 1.0	< 1.0		< 1.0			2
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	8	WHO DWG 2017	YES	1		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0	< 1.0		< 1.0			< 1.0
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	6	AECOM DWG (WHO method)	NO	0			<0.1	<0.1	0.4	0.7	<0.1	<0.1	<0.1
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	18	AECOM DWG (WHO method)	NO	0			<0.013	<0.013	0.015	<0.013	<0.013	<0.013	<0.013
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	18	AECOM DWG (WHO method)	NO	0			0.061	<0.013	0.271	<0.013	<0.013	<0.013	<0.013
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	12	AECOM DWG (WHO method)	NO	0			0.017	<0.014	0.065	<0.014	<0.014	<0.014	<0.014
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	4	AECOM DWG (WHO method)	NO	0			<0.011	0.011	0.015	0.011	<0.011	<0.011	<0.011
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	90	AECOM DWG (WHO method)	NO	0			<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	4	WHO DWG 2017	NO	0			<0.012	0.013	<0.012	<0.012	<0.012	0.012	<0.012
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	9	AECOM DWG (WHO method)	NO	0			<0.013	<0.013	<0.013	<0.013	<0.013	0.013	<0.013
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	3.5	AECOM DWG (WHO method)	NO	0			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	7	AECOM DWG (WHO method)	NO	0			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018			NO	0			<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	0.01	WS Regs 2016 (Eng/Wal)	NO	0			<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.07	AECOM DWG (WHO method)	NO	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0			<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	NV		NO	0			<0.195	<0.195	0.766	0.711	<0.195	<0.195	<0.195
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sum of 4 PAHs	<0.024	ug/l	40	0	<0.024	<0.024	<0.024	0.1	WS Regs 2016 (Eng/Wal)	NO	0			<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	6	AECOM DWG (WHO method)	NO	0		0.11	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	18	AECOM DWG (WHO method)	NO	0		0.003	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	18	AECOM DWG (WHO method)	NO	0		0.044	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	12	AECOM DWG (WHO method)	NO	0		0.012	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	4	AECOM DWG (WHO method)	NO	0		0.005	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	90	AECOM DWG (WHO method)	NO	0		<0.001	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	4	WHO DWG 2017	NO	0		0.001	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	9	AECOM DWG (WHO method)	NO	0		0.003	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	3.5	AECOM DWG (WHO method)	NO	0		<0.001	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	7	AECOM DWG (WHO method)	NO	0		<0.001	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	NV		NO	0		<0.002	n/US	n/US	n/US	n/US	<0.002	n/US	n/US
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	0.01	WS Regs 2016 (Eng/Wal)	NO	0		<0.001	n/US	n/US	n/US	n/US	<0.001	n/US	n/US
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.001	n/US	n/US	n/US	n/US	<0.001	n/US	n/US

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH11	MS\BH12 (D)	MS\BH12 (D)	MS\BH12 (S)	MS\BH12 (S)	MS\BH13 (D)	MS\BH13 (D)	MS\BH13 (S)
												Depth	4.17-11.40	4.11-34.50	3.98-34.50	4.09-20.50	4.01-20.50	2.28-20.00	2.35-20.00	2.29-9.50
												Sampling Date	17/11/2021	18/10/2021	17/11/2021	12/10/2021	17/11/2021	12/10/2021	16/11/2021	12/10/2021
												Monitoring Unit	TFD SAND	RMF	RMF	GLACIAL TILL	GLACIAL TILL	RMF	RMF	TFD SAND
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.07**	AECOM DWG (WHO method)	NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		0.178	n/US	n/US	n/US	n/US	*<0.016*	n/US	n/US
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		*<0.001*	n/US	n/US	n/US	n/US	*<0.001*	n/US	n/US
TAME	Non Detect	ug/l	22	0	Non Detect	Non Detect	Non Detect	**NR**		NO	0		Not Detected		Not Detected		Not Detected		Not Detected	
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0									
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0									
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									

n/US	Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR	All concentrations less than limit of detection. No screening value required.
NV	No screening value available
1.1	Exceedance of DWS

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH13 (S)	MS\BH14	MS\BH14	MS\BH15 (D)	MS\BH15 (D)	MS\BH15 (S)	MS\BH15 (S)	MS\BH17
												Depth	2.28-9.50	3.63-8.00	3.60-8.00	3.51-12.00	3.57-12.00	3.49-5.00	3.53-5.00	5.65-20.00
												Sampling Date	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	MADE GROUND	RMF
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**10**	WS Regs 2016 (Eng/Wal)	YES	5		10	**61**	2.5	10	8.2	**12**	7.9	6.5
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**12**	WHO DWG 2017	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**1000**	WS Regs 2016 (Eng/Wal)	NO	0		620	59	*< 12*	100	64	92	58	*< 12*
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**5**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.03*	0.08	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*	*< 0.03*
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*	*< 7.0*
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**2000**	WS Regs 2016 (Eng/Wal)	NO	0		1.2	1	0.8	*< 0.4*	*< 0.4*	*< 0.4*	0.6	*< 0.4*
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**200**	WS Regs 2016 (Eng/Wal)	YES	12		**890**	**230**	40	11	11	9.2	22	28
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**10**	WS Regs 2016 (Eng/Wal)	NO	0		0.1	1.6	0.26	*< 0.09*	*< 0.09*	0.11	*< 0.09*	0.11
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.01*	0.19	*< 0.01*	0.16	0.17	0.25	0.19	0.28
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**20**	WS Regs 2016 (Eng/Wal)	NO	0		1.3	6.3	*< 0.5*	*< 0.5*	0.6	1	0.9	3.2
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**10**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.25*	1.6	*< 0.25*	5.1	2	6.8	5.2	4.4
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**86**	USEPA RSL (tapwater) [May 2020]	YES	1		2	33	*< 0.6*	*< 0.6*	0.6	22	**96**	31
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6000**	USEPA RSL (tapwater) [May 2020]	NO	0		8.8	17	3	*< 1.3*	*< 1.3*	*< 1.3*	*< 1.3*	2.2
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	8		8	10.9	**11.3**	10	10.3	10.9	10.9	**11.1**
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.05**	WS Regs 2016 (Eng/Wal)	YES	1		*< 0.0001*	0.0051	0.0045	0.015	0.011	0.012	0.0082	0.037
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.05**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.0001*	0.0002	*< 0.0001*	0.0005	0.0002	0.0003	0.0003	0.0004
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**4**	USEPA RSL (tapwater) [May 2020]	YES	29		**7400**	**200**	**210**	**270**	**280**	**220**	**220**	**110**
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		433	104	4.49	1010	2230	873	1060	783
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		6.4	8.5	5.8	2.6	2.2	2.3	1.8	3.9
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.5**	WS Regs 2016 (Eng/Wal) as NH4	YES	33		**5.3**	**7**	**4.8**	**2.1**	**1.9**	**1.9**	**1.5**	**3.2**
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**50**	WS Regs 2016 (Eng/Wal)	YES	1			*< 0.10*	0.82	0.19	*< 0.10*	*< 0.10*	0.12	*< 0.10*
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0		*< 0.10*							
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**0.5**	WS Regs 2016 (Eng/Wal)	YES	18			**2.7**	**1.8**	**3.7**	0.42	**2.9**	**1.7**	**7.3**
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035			NO	0		*< 0.035*							
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**250**	WS Regs 2016 (Eng/Wal)	YES	28		**350**	130	**400**	**1100**	**1300**	**880**	**970**	**810**
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		6.1	14	5.9	3	100	3.4	6.3	5.2
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	*< 10*
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**700**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*	*< 0.1*
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**90**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	2.5	*< 1.0*	*< 1.0*
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**90**	WHO Petroleum DWG 2008	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	8.3	*< 1.0*	*< 1.0*
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**90**	WHO Petroleum DWG 2008	YES	1		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	3.6	*< 1.0*	*< 1.0*
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**90**	WHO Petroleum DWG 2008	YES	1		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	15	*< 10*	*< 10*
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	*< 10*	*< 10*	*< 10*	15	*< 10*	*< 10*
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*	*< 10*	120	*< 10*	130	*< 10*	96	*< 10*
Benzene	<1	ug/l	42	0	<1	<1	<1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Toluene	<1	ug/l	42	2	<1	19	16.00	**700**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**300**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Xylene	<1	ug/l	42	0	<1	<1	<1	**500**	WHO DWG 2017	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
MTBE	<1	ug/l	42	0	<1	<1	<1	**1800**	AECOM DWG (WHO method)	NO	0		*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*	*< 1.0*
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**5800**	USEPA RSL (tapwater) [May 2020] (phenol)	NO	0		170	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*	*< 100*
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0		*< 27*	*< 27*		*< 27*		*< 27*	*< 27*	*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*		*< 1*		*< 1*	*< 1*	*< 1*
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	**NR**		NO	0		*< 2*	*< 2*		*< 2*		*< 2*	*< 2*	*< 2*
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	**NR**		NO	0		*< 4*	*< 4*		*< 4*		*< 4*	*< 4*	*< 4*

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH13 (S)	MS\BH14	MS\BH14	MS\BH15 (D)	MS\BH15 (D)	MS\BH15 (S)	MS\BH15 (S)	MS\BH17
												Depth	2.28-9.50	3.63-8.00	3.60-8.00	3.51-12.00	3.57-12.00	3.49-5.00	3.53-5.00	5.65-20.00
												Sampling Date	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	MADE GROUND	RMF
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	1	WS Regs 2016 (Eng/Wal)	YES	5		< 1	< 1		< 1		< 1	< 1	< 1
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4	< 4		< 4		< 4	< 4	< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2		< 2		< 2	< 2	< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2		< 2		< 2	< 2	< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1		< 1		< 1	< 1	< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	5800	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0	2.4		< 1.0		< 1.0	< 1.0	< 1.0
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	930	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0	13		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH13 (S)	MS\BH14	MS\BH14	MS\BH15 (D)	MS\BH15 (D)	MS\BH15 (S)	MS\BH15 (S)	MS\BH17
												Depth	2.28-9.50	3.63-8.00	3.60-8.00	3.51-12.00	3.57-12.00	3.49-5.00	3.53-5.00	5.65-20.00
												Sampling Date	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	MADE GROUND	RMF
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	900	USEPA RSL (tapwater) [May 2020]	NO	0		1.2	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	8	WHO DWG 2017	YES	1		< 1.0	1.1		< 1.0		< 1.0	< 1.0	< 1.0
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	6	AECOM DWG (WHO method)	NO	0		<0.1	0.4	<0.1	5.1	<0.1	0.6	<0.1	0.6
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	18	AECOM DWG (WHO method)	NO	0		<0.013	<0.013	0.013	0.02	<0.013	0.202	0.18	0.025
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	18	AECOM DWG (WHO method)	NO	0		<0.013	0.611	0.157	0.986	0.074	0.589	0.361	0.141
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	12	AECOM DWG (WHO method)	NO	0		<0.014	0.158	0.026	0.11	<0.014	0.28	0.185	0.03
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	4	AECOM DWG (WHO method)	NO	0		<0.011	0.361	<0.011	0.015	0.011	0.152	0.096	0.038
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	90	AECOM DWG (WHO method)	NO	0		<0.013	0.026	<0.013	<0.013	<0.013	<0.013	0.015	<0.013
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	4	WHO DWG 2017	NO	0		<0.012	0.053	0.266	<0.012	<0.012	0.018	0.031	<0.012
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	9	AECOM DWG (WHO method)	NO	0		<0.013	0.036	0.168	<0.013	<0.013	0.015	0.02	<0.013
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	3.5	AECOM DWG (WHO method)	NO	0		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	7	AECOM DWG (WHO method)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018			NO	0		<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	0.01	WS Regs 2016 (Eng/Wal)	NO	0		<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.07	AECOM DWG (WHO method)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	NV		NO	0		<0.195	1.645	0.63	6.231	<0.195	1.856	0.888	0.834
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sum of 4 PAHs	<0.024	ug/l	40	0	<0.024	<0.024	<0.024	0.1	WS Regs 2016 (Eng/Wal)	NO	0		<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	6	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	18	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	18	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	12	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	4	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	90	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	4	WHO DWG 2017	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	9	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	3.5	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	7	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	NV		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	0.01	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3	R2	R3	R2	R3	R2
												Exploratory monitoring well	MS\BH13 (S)	MS\BH14	MS\BH14	MS\BH15 (D)	MS\BH15 (D)	MS\BH15 (S)	MS\BH15 (S)	MS\BH17
												Depth	2.28-9.50	3.63-8.00	3.60-8.00	3.51-12.00	3.57-12.00	3.49-5.00	3.53-5.00	5.65-20.00
												Sampling Date	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021	16/11/2021	13/10/2021
												Monitoring Unit	TFD SAND	TFD SAND	TFD SAND	TFD SAND	TFD SAND	MADE GROUND	MADE GROUND	RMF
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.07**	AECOM DWG (WHO method)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US	n/US	n/US	n/US	n/US	n/US	n/US	n/US
TAME	Non Detect	ug/l	22	0	Non Detect	Non Detect	Non Detect	**NR**		NO	0		Not Detected		Not Detected		Not Detected		Not Detected	
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0									
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0									
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0									
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0									
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0									

n/US	Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR	All concentrations less than limit of detection. No screening value required.
NV	No screening value available
1.1	Exceedance of DWS

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3
												Exploratory monitoring well	MS\BH17	Trip Blank	TRIP BLANK
												Depth	5.64-20.00		
												Sampling Date	16/11/2021	13/10/2021	15/11/2021
												Monitoring Unit	RMF		
Arsenic, Dissolved	<0.16	ug/l	42	42	0.72	61	7.50	**10**	WS Regs 2016 (Eng/Wal)	YES	**5**		1.6		
Beryllium, Dissolved	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**12**	WHO DWG 2017	NO	0		*< 0.1*		
Boron, Dissolved	<12	ug/l	42	38	<12	740	387.34	**1000**	WS Regs 2016 (Eng/Wal)	NO	0		*< 12*		
Cadmium, Dissolved	<0.03	ug/l	42	9	<0.03	0.2	0.08	**5**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.03*		
Chromium III, Dissolved	<1	ug/l	42	7	<1	16	5.94	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*		
Chromium, Hexavalent	<7	ug/l	42	1	<7	9.2	9.20	**50**	WS Regs 2016 (Eng/Wal)	NO	0		*< 7.0*		
Copper, Dissolved	<0.4	ug/l	42	16	<0.4	3.3	1.26	**2000**	WS Regs 2016 (Eng/Wal)	NO	0		1.6		
Iron, Dissolved	<5.5	ug/l	42	42	7.6	11000	637.09	**200**	WS Regs 2016 (Eng/Wal)	YES	**12**		81		
Lead, Dissolved	<0.09	ug/l	42	23	<0.09	2.5	0.53	**10**	WS Regs 2016 (Eng/Wal)	NO	0		0.49		
Mercury, Dissolved	<0.01	ug/l	42	33	<0.01	0.36	0.10	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.01*		
Nickel, Dissolved	<0.5	ug/l	42	37	<0.5	15	2.64	**20**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.5*		
Selenium, Dissolved	<0.25	ug/l	42	38	<0.25	7.8	1.86	**10**	WS Regs 2016 (Eng/Wal)	NO	0		0.43		
Vanadium, Dissolved	<0.6	ug/l	42	33	<0.6	96	9.16	**86**	USEPA RSL (tapwater) [May 2020]	YES	**1**		1.6		
Zinc, Dissolved	<1.3	ug/l	42	30	<1.3	51	6.97	**6000**	USEPA RSL (tapwater) [May 2020]	NO	0		*< 1.3*		
pH	<	pH	42	42	7	12	9.31	**11**	Hazardous Waste Value	YES	**8**		**11.3**		
Cyanide, Total Low Level	<0.0001	mg/l	42	41	<0.0001	0.076	0.01	**0.05**	WS Regs 2016 (Eng/Wal)	YES	**1**		**0.076**		
Cyanide, Free Low Level	<0.0001	mg/l	42	36	<0.0001	0.0056	0.00	**0.05**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.0001*		
Thiocyanate	<20	ug/l	42	29	<20	9300	1207.34	**4**	USEPA RSL (tapwater) [May 2020]	YES	**29**		**120**		
Total Hardness as CaCO3	<0.1	mg/l	42	42	4.49	6550	1100.97	**N/A**		NO	0		27.5		
Ammoniacal Nitrogen as NH3	<0.015	mg/l	42	41	<0.015	23	4.56	**NV**		NO	0		3.3		
Ammoniacal Nitrogen as N	<0.015	mg/l	42	41	<0.015	19	3.78	**0.5**	WS Regs 2016 (Eng/Wal) as NH4	YES	**33**		**2.7**		
Nitrate as NO3	<0.1	mg/l	28	11	<0.1	140	14.52	**50**	WS Regs 2016 (Eng/Wal)	YES	**1**		*< 0.10*		
Nitrate as N	<0.1	mg/l	14	5	<0.1	1.5	0.58	**NV**		NO	0				
Nitrite as NO2	<0.1	mg/l	30	19	<0.1	440	30.89	**0.5**	WS Regs 2016 (Eng/Wal)	YES	**18**		*< 0.10*		
Nitrite as N	<0.035	mg/l	12	0	<0.035	<0.035	<0.035			NO	0				
Sulphate as SO4	<0.1	mg/l	42	42	7.5	3000	801.11	**250**	WS Regs 2016 (Eng/Wal)	YES	**28**		**920**		
Total Organic Carbon	<1	mg/l	42	40	<1	190	24.01	**N/A**		NO	0		4.3		
Aliphatic C5-C6	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*		
Aliphatic C6-C8	<0.1	ug/l	42	1	<0.1	14	14.00	**15000**	WHO Petroleum DWG 2008	NO	0		*< 0.1*		
Aliphatic C8-C10	<0.1	ug/l	42	2	<0.1	21	11.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*		
Aliphatic C10-C12	<1	ug/l	42	5	<1	30	11.46	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*		
Aliphatic C12-C16	<1	ug/l	42	5	<1	15	7.10	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*		
Aliphatic C16-C21	<1	ug/l	42	6	<1	160	79.00	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*		
Aliphatic C21-C35	<1	ug/l	42	6	<1	220	61.72	**300**	WHO Petroleum DWG 2008	NO	0		*< 1.0*		
Aliphatic C5-C35	<10	ug/l	42	7	<10	390	138.00	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*		
Aromatic C5-C7	<0.1	ug/l	42	0	<0.1	<0.1	<0.1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 0.1*		
Aromatic C7-C8	<0.1	ug/l	42	2	<0.1	19	16.00	**700**	WHO Petroleum DWG 2008	NO	0		*< 0.1*		
Aromatic C8-C10	<0.1	ug/l	42	2	<0.1	72	47.50	**300**	WHO Petroleum DWG 2008	NO	0		*< 0.1*		
Aromatic C10-C12	<1	ug/l	42	6	<1	3.9	2.75	**90**	WHO Petroleum DWG 2008	NO	0		*< 1.0*		
Aromatic C12-C16	<1	ug/l	42	8	<1	11	7.28	**90**	WHO Petroleum DWG 2008	NO	0		*< 1.0*		
Aromatic C16-C21	<1	ug/l	42	8	<1	110	48.58	**90**	WHO Petroleum DWG 2008	YES	**1**		*< 1.0*		
Aromatic C21-C35	<1	ug/l	42	7	<1	110	26.89	**90**	WHO Petroleum DWG 2008	YES	**1**		*< 1.0*		
Aromatic C5-C35	<10	ug/l	42	10	<10	240	78.80	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*		
TPH Ali/Aro Total C5-C35	<10	ug/l	42	12	<10	630	146.42	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		*< 10*		
EPH (C10-C40)	<10	ug/l	42	35	<10	1100	146.69	**60000**	USEPA RSL (tapwater) [May 2020] (mineral oil)	NO	0		120		
Benzene	<1	ug/l	42	0	<1	<1	<1	**1**	WS Regs 2016 (Eng/Wal)	NO	0		*< 1.0*		
Toluene	<1	ug/l	42	2	<1	19	16.00	**700**	WHO DWG 2017	NO	0		*< 1.0*		
Ethylbenzene	<1	ug/l	42	2	<1	72	47.50	**300**	WHO DWG 2017	NO	0		*< 1.0*		
Xylene	<1	ug/l	42	0	<1	<1	<1	**500**	WHO DWG 2017	NO	0		*< 1.0*		
MTBE	<1	ug/l	42	0	<1	<1	<1	**1800**	AECOM DWG (WHO method)	NO	0		*< 1.0*		
Phenol - Monohydric	<100	ug/l	42	10	<100	2000	735.00	**5800**	USEPA RSL (tapwater) [May 2020] (phenol)	NO	0		*< 100*		
Dichlorodifluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Chloromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Vinyl Chloride	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Bromomethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Chloroethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Trichlorofluoromethane	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
1,1-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
Methylene Chloride	<27	ug/l	30	0	<27	<27	<27	**NR**		NO	0		*< 27*	*< 27*	*< 27*
Trans-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
1,1-dichloroethane	<1	ug/l	30	3	<1	2	1.33	**NV**		NO	0		*< 1*	*< 1*	*< 1*
Cis-1,2-dichloroethylene	<1	ug/l	30	0	<1	<1	<1	**NR**		NO	0		*< 1*	*< 1*	*< 1*
2,2-dichloropropane	<2	ug/l	30	0	<2	<2	<2	**NR**		NO	0		*< 2*	*< 2*	*< 2*
Bromochloromethane	<4	ug/l	30	0	<4	<4	<4	**NR**		NO	0		*< 4*	*< 4*	*< 4*

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3
												Exploratory monitoring well	MS\BH17	Trip Blank	TRIP BLANK
												Depth	5.64-20.00		
												Sampling Date	16/11/2021	13/10/2021	15/11/2021
												Monitoring Unit	RMF		
Chloroform	<1	ug/l	30	1	<1	5	5.00	NR		NO	0		< 1	< 1	< 1
1,1,1-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,1-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Carbon tetrachloride	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Benzene	<1	ug/l	30	5	<1	5	3.80	1	WS Regs 2016 (Eng/Wal)	YES	5		< 1	< 1	< 1
1,2-dichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Trichloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Dibromomethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Bromodichloromethane	<4	ug/l	30	0	<4	<4	<4	NR		NO	0		< 4	< 4	< 4
cis-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Toluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
trans-1,3-dichloropropene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,1,2-trichloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Tetrachloroethylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,3-dichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Dibromochloromethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2-dibromoethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Chlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,1,1,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Ethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
m+p-Xylene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2	< 2
o-Xylene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Styrene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Bromoform	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Isopropylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,1,2,2-tetrachloroethane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Bromobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2,3-trichloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
n-propylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
2-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,3,5-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
4-chlorotoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Tert-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2,4-trimethylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
sec-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
p-isopropyltoluene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,3-dichlorobenzene	<2	ug/l	30	0	<2	<2	<2	NR		NO	0		< 2	< 2	< 2
1,4-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
n-butylbenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2-dichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2-dibromo-3-chloropropane	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2,4-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Hexachlorobutadiene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Naphthalene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
1,2,3-trichlorobenzene	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
MTBE	<1	ug/l	30	0	<1	<1	<1	NR		NO	0		< 1	< 1	< 1
Phenol	<1	ug/l	28	5	<1	3.5	2.06	5800	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0		
Aniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2-Chlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Benzyl Alcohol	<1	ug/l	28	2	<1	2.2	1.85	NV		NO	0		< 1.0		
2-Methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Bis(2-chloroisopropyl)ether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
3&4-Methylphenol	<1	ug/l	28	1	<1	13	13.00	930	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0		
Bis(2-chloroethoxy)methane	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,4-Dimethylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,4-Dichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
1,2,4-Trichlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
4-Chloro-3-methylphenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Hexachlorocyclopentadiene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,4,6-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,4,5-Trichlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2-Chloronaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,4-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Acenaphthylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
3-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Acenaphthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
4-Nitrophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Dibenzofuran	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3
												Exploratory monitoring well	MS\BH17	Trip Blank	TRIP BLANK
												Depth	5.64-20.00		
												Sampling Date	16/11/2021	13/10/2021	15/11/2021
												Monitoring Unit	RMF		
2,6-Dinitrotoluene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,3,4,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Diethylphthalate	<1	ug/l	28	1	<1	1.1	1.10	NR		NO	0		< 1.0		
4-Chlorophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Fluorene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
4-Nitroaniline	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Diphenylamine	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
4-Bromophenylphenylether	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Hexachlorobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Bis(2-ethylhexyl)ester	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Pentachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Phenanthrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Di-n-butylphthalate	<1	ug/l	28	2	<1	2	1.60	900	USEPA RSL (tapwater) [May 2020]	NO	0		< 1.0		
Fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Butylbenzylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Benzo(a)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Chrysene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Bis(2-ethylhexyl)phthalate	<1	ug/l	28	4	<1	13	5.50	8	WHO DWG 2017	YES	1		< 1.0		
Di-n-octylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Benzo(b)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Benzo(k)fluoranthene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Benzo(a)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Indeno(123cd)pyrene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Dibenzo(ah)anthracene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Benzo(ghi)perylene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
1,4-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Dimethylphthalate	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
1,3-Dinitrobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
2,3,5,6-Tetrachlorophenol	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Azobenzene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Carbazole	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
1-Methylnaphthalene	<1	ug/l	28	0	<1	<1	<1	NR		NO	0		< 1.0		
Naphthalene	<0.1	ug/l	40	24	<0.1	5.1	0.58	6	AECOM DWG (WHO method)	NO	0		<0.1		
Acenaphthylene	<0.013	ug/l	40	8	<0.013	0.202	0.06	18	AECOM DWG (WHO method)	NO	0		0.021		
Acenaphthene	<0.013	ug/l	40	20	<0.013	0.986	0.20	18	AECOM DWG (WHO method)	NO	0		0.184		
Fluorene	<0.014	ug/l	40	15	<0.014	0.28	0.07	12	AECOM DWG (WHO method)	NO	0		0.037		
Phenanthrene	<0.011	ug/l	40	19	<0.011	0.361	0.05	4	AECOM DWG (WHO method)	NO	0		0.034		
Anthracene	<0.013	ug/l	40	2	<0.013	0.026	0.02	90	AECOM DWG (WHO method)	NO	0		<0.013		
Fluoranthene	<0.012	ug/l	40	9	<0.012	0.266	0.07	4	WHO DWG 2017	NO	0		0.032		
Pyrene	<0.013	ug/l	40	9	<0.013	0.168	0.05	9	AECOM DWG (WHO method)	NO	0		0.025		
Benzo(a)anthracene	<0.015	ug/l	40	0	<0.015	<0.015	<0.015	3.5	AECOM DWG (WHO method)	NO	0		<0.015		
Chrysene	<0.011	ug/l	40	1	<0.011	0.015	0.02	7	AECOM DWG (WHO method)	NO	0		<0.011		
Benzo(bk)fluoranthene	<0.018	ug/l	40	0	<0.018	<0.018	<0.018			NO	0		<0.018		
Benzo(a)pyrene	<0.016	ug/l	40	0	<0.016	<0.016	<0.016	0.01	WS Regs 2016 (Eng/Wal)	NO	0		<0.016		
Indeno(123cd)pyrene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.011		
Dibenzo(ah)anthracene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	0.07	AECOM DWG (WHO method)	NO	0		<0.01		
Benzo(ghi)perylene	<0.011	ug/l	40	0	<0.011	<0.011	<0.011	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.011		
PAH 16 Total	<0.195	ug/l	40	23	<0.195	6.231	0.90	NV		NO	0		0.333		
Benzo(b)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.01		
Benzo(k)fluoranthene	<0.01	ug/l	40	0	<0.01	<0.01	<0.01	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		<0.01		
Sum of 4 PAHs	<0.024	ug/l	40	0	<0.024	<0.024	<0.024	0.1	WS Regs 2016 (Eng/Wal)	NO	0		<0.024		
Naphthalene	<0.001	ug/l	42	3	<0.001	0.11	0.09	6	AECOM DWG (WHO method)	NO	0		n/US		
Acenaphthylene	<0.001	ug/l	42	3	<0.001	0.007	0.00	18	AECOM DWG (WHO method)	NO	0		n/US		
Acenaphthene	<0.001	ug/l	42	3	<0.001	0.044	0.02	18	AECOM DWG (WHO method)	NO	0		n/US		
Fluorene	<0.001	ug/l	42	3	<0.001	0.012	0.01	12	AECOM DWG (WHO method)	NO	0		n/US		
Phenanthrene	<0.001	ug/l	42	2	<0.001	0.005	0.00	4	AECOM DWG (WHO method)	NO	0		n/US		
Anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	90	AECOM DWG (WHO method)	NO	0		n/US		
Fluoranthene	<0.001	ug/l	42	2	<0.001	0.002	0.00	4	WHO DWG 2017	NO	0		n/US		
Pyrene	<0.001	ug/l	42	2	<0.001	0.003	0.00	9	AECOM DWG (WHO method)	NO	0		n/US		
Benzo(a)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	3.5	AECOM DWG (WHO method)	NO	0		n/US		
Chrysene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	7	AECOM DWG (WHO method)	NO	0		n/US		
Benzo(bk)fluoranthene	<0.002	ug/l	42	0	<0.002	<0.002	<0.002	NV		NO	0		n/US		
Benzo(a)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	0.01	WS Regs 2016 (Eng/Wal)	NO	0		n/US		
Indeno(123cd)pyrene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	Use PAHs (sum of 4)	WS Regs 2016 (Eng/Wal)	NO	0		n/US		

Groundwater Chemical Screening Against DWS Protective of Groundwater Quality
Rounds 2 and 3

Determinand	Limit of Detection	UNITS	TOTAL NUMBER OF SAMPLES	TOTAL NUMBER OF SAMPLES > LOD	MINIMUM	MAXIMUM	AVERAGE	DWS SCREENING VALUE	SOURCE	Greater than Screening Value (YES/NO)	NUMBER EXCEEDING SCREENING VALUE	Monitoring Round	R3	R2	R3
												Exploratory monitoring well	MS\BH17	Trip Blank	TRIP BLANK
												Depth	5.64-20.00		
												Sampling Date	16/11/2021	13/10/2021	15/11/2021
												Monitoring Unit	RMF		
Dibenzo(ah)anthracene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**0.07**	AECOM DWG (WHO method)	NO	0		n/US		
Benzo(ghi)perylene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US		
PAH 16 Total	<0.016	ug/l	42	3	<0.016	0.178	0.13	**NV**		NO	0		n/US		
Benzo(b)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US		
Benzo(k)fluoranthene	<0.001	ug/l	42	0	<0.001	<0.001	<0.001	**Use PAHs (sum of 4)**	WS Regs 2016 (Eng/Wal)	NO	0		n/US		
TAME	Non Detect	ug/l	22	0	Non Detect	Non Detect	Non Detect	**NR**		NO	0		Not Detected		
PCB 28 + PCB 31	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 52	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 77	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 81	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 101	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 105	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 114	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 118 + PCB 123	< 0.6	ug/l	1	0	< 0.6	< 0.6	< 0.6	**NR**		NO	0				
PCB 126	< 0.5	ug/l	1	0	< 0.5	< 0.5	< 0.5	**NR**		NO	0				
PCB 138	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 153	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 156	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 157	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 167	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 169	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 180	< 0.2	ug/l	1	0	< 0.2	< 0.2	< 0.2	**NR**		NO	0				
PCB 189	< 0.3	ug/l	1	0	< 0.3	< 0.3	< 0.3	**NR**		NO	0				
PCB 12	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0				
PCB 7 Total	< 1.0	ug/l	1	0	< 1.0	< 1.0	< 1.0	**NR**		NO	0				

n/US	Non suitable sample. PAH concentrations to high to undertake low level PAH analysis
NR	All concentrations less than limit of detection. No screening value required.
NV	No screening value available
1.1	Exceedance of DWS

EQS Groundwater Exceedances in Made Ground - Protective of Surface Water

Determinand	Units	EQS Screening Value	MS\BH07 (S)			MS\BH11 (S)			MS\BH15 (S)		
			R1	R2	R3	R1	R2	R3	R1	R2	R3
Lead	ug/l	**1.3**		-	-	1.8	-	-			
Mercury	ug/l	**0.07**	0.33	-	-		-	-	0.14	0.25	0.19
Zinc	ug/l	**6.8**		-	-	220	-	-	9.2		
Cyanide, Total Low Level	mg/l	**0.001**		-	-		-	-		0.012	0.0082
Cyanide Free	mg/l	**0.001**	0.0012	-	-		-	-			
Ammoniacal Nitrogen as N	mg/l	**0.021**	0.47	-	-	0.16	-	-	0.57	1.9	1.5
Benzo(g,h,i)perylene	ug/l	**0.00082**		-	-	0.01	-	-			
Fluoranthene	ug/l	**0.0063**	0.01	-	-	0.09	-	-	0.03	0.018	0.031

DWS Groundwater Exceedances in Made Ground - Protective of Groundwater Quality

Determinand	Units	DWS Screening Value	MS\BH07 (S)			MS\BH11 (S)			MS\BH15 (S)		
			R1	R2	R3	R1	R2	R3	R1	R2	R3
Arsenic	ug/l	**10**	13	-	-		-	-			12
Selenium	ug/l	**10**	27	-	-		-	-			
Vanadium	ug/l	**86**		-	-		-	-	93	96	
Thiocyanate	ug/l	**4**	52	-	-		-	-	230	220	220
Ammoniacal Nitrogen as N	mg/l	**0.5**		-	-		-	-		1.5	1.9
Nitrite as NO2	mg/l	**0.5**		-	-		-	-	0.57	1.7	2.9
Sulphate as SO4	mg/l	**250**	1,100	-	-		-	-	1100	970	880

Key

1.1	Concentration greater than Screening Value
	Concentration less than Screening Value
-	Not sampled. Monitoring well dry/damp or insufficient water to obtain sample
R1	Ground Monitoring Round 1 (August 2021)
R2	Ground Monitoring Round 2 (October 2021)
R3	Ground Monitoring Round 3 (November 2021)

EQS Groundwater Exceedances in Tidal Flat Deposits - Protective of Surface Water

Determinand	Units	EQS (Coastal)	LF\BH01 (S)			MS\BH03 (S)			MS\BH04 (S)			MS\BH05 (S)			MS\BH07 (D)			MS\BH08 (D)			MS\BH09 (D)			MS\BH11 (D)			MS\BH13 (S)			MS\BH14			MS\BH15 (D)		
			R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3
Arsenic	ug/l	**25**																													61				
Chromium, Hexavalent	ug/l	**0.6**	50							9.2																									
Iron	ug/l	**1000**								2400	1600																								
Lead	ug/l	**1.3**																													1.6				
Mercury	ug/l	**0.07**	0.23	0.15	0.11																	0.13	0.12							0.41	0.19		0.1	0.16	0.17
Zinc	ug/l	**6.8**														11									51				8.8		17				
Cyanide, Total Low Level	mg/l	**0.001**		0.0063	0.0057		0.0098	0.0084		0.0095	0.0078	0.042	0.02	0.0089		0.013	0.0049		0.0085	0.0072		0.0051	0.012		0.014	0.012		0.039			0.0051	0.0045		0.015	0.011
Cyanide, Free Low Level	mg/l	**0.001**									0.0025		0.0017		0.0043												0.0044	0.0056							
Ammoniacal Nitrogen as N	mg/l	**0.021**	0.062	0.08	0.08	0.19		0.09		0.091	0.1	10	10	19	1.2	0.91	1.5	1.2	1.9	2.5	1.9	5.4	5.2	1.8	3.3	3.8	2	4.5	5.3	0.79	7	4.8	1.3	2.1	1.9
Bis(2-ethylhexyl)phthalate	ug/l	**1.3**														13						2.9												
Naphthalene	ug/l	**2**																															4.9	5.1	
Fluoranthene	ug/l	**0.0063**	0.01														0.019							0.01						0.24	0.053	0.266			
Pentachlorophenol	ug/l	**0.4**	1.4																																
Phenol	ug/l	**7.7**	7.9																																
Anthracene	ug/l	**0.1**																												0.19					
Benzo(g,h,i)perylene	ug/l	**0.00082**																												0.01					

Key

1.1	Concentration greater than Screening Value
	Concentration less than Screening Value
R1	Ground Monitoring Round 1 (August 2021)
R2	Ground Monitoring Round 2 (October 2021)
R3	Ground Monitoring Round 3 (November 2021)

DWS Groundwater Exceedances in Tidal Flat Deposits - Protective of Groundwater Quality

Determinand	Units	DWS	LF\BH01 (S)			MS\BH03 (S)			MS\BH04 (S)			MS\BH05 (S)			MS\BH07 (D)			MS\BH08 (D)			MS\BH09 (D)			MS\BH11 (D)			MS\BH13 (S)			MS\BH14			MS\BH15 (D)		
			R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3
Arsenic	ug/l	**10**			11													13										16		24	61		11		
Chromium (hexavalent)	ug/l	**50**	50																																
Iron	ug/l	**200**							870	2400	1600						340											350	890		230				
Selenium	ug/l	**10**	15																																
Thiocyanate	ug/l	**4**	100		37		23					2300	4400	4300			54	44	43	31	150	110	170	170	190	240		9300	7400	170	200	210	170	270	280
Ammoniacal Nitrogen as N	mg/l	**0.5**										10	10	19	1.2	0.91	1.5	1.2	1.9	2.5	1.9	5.4	5.2	1.8	3.3	3.8	2	4.5	5.3	0.79	7	4.8	1.3	2.1	1.9
Nitrite as NO2	mg/l	**0.5**					11				14		5.6	3.1		15						1.8			2.2			44			2.7	1.8		3.7	
Sulphate as SO4	mg/l	**250**	390	900	840	920	860	840	1000	1400	1500	960			840	820		710	730	380							280	1100	350	540		400		1100	1300
>EC5-EC7 Aromatics	ug/l	**1**										5.2																							
Aromatic C16-C21	ug/l	**90**																				110													
Aromatic C21-C35	ug/l	**90**																				110													
Benzene	ug/l	**1**										5.2	2								5	4	4												
Bis(2-ethylhexyl)phthalate	ug/l	**8**														13																			

Key

1.1	Concentration greater than Screening Value
	Concentration less than Screening Value
R1	Ground Monitoring Round 1 (August 2021)
R2	Ground Monitoring Round 2 (October 2021)
R3	Ground Monitoring Round 3 (November 2021)

Table I3
Glacial Till Groundwater Exceedances
Round 1 to Round 3

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EQS Groundwater Exceedances in Glacial Till - Protective of Surface Water

Determinand	Units	EQS (Coastal)	MS\BH04(D)			MS\BH12 (S)		
			R1	R2	R3	R1	R2	R3
Fluoranthene	µg/l	**0.0063**	0.02			0.04		
Mercury (Filtered)	µg/l	**0.07**				0.08		
Cyanide, Total Low Level	µg/l	**0.001**		0.0056	0.0086		0.0099	0.0055
Cyanide, Free Low Level	µg/l	**0.001**			0.0021		0.0018	
Ammoniacal Nitrogen as N	mg/l	**0.021**	0.12	1.6	0.07	0.66	4.1	4.1
Ethylbenzene	µg/l	**20**		72				23

DWS Groundwater Exceedances in Glacial Till - Protective of Groundwater Quality

Determinand	Units	DWS	MS\BH04(D)			MS\BH12 (S)		
			R1	R2	R3	R1	R2	R3
Iron	µg/l	**200**	510	480	430			
Selenium	µg/l	**10**				28		
Thiocyanate	ug/l	**4**					25	
Ammoniacal Nitrogen as N	mg/l	**0.5**		1.6		0.66	4.1	4.1
Nitrite as NO2	mg/l	**0.5**			1.4	0.69	23	
Sulphate as SO4	mg/l	**250**	2700	1400	1400		380	1100

Key

1.1	Concentration greater than Screening Value
	Concentration less than Screening Value
R1	Ground Monitoring Round 1 (August 2021)
R2	Ground Monitoring Round 2 (October 2021)
R3	Ground Monitoring Round 3 (November 2021)

EQS Groundwater Exceedances in Redcar Mudstone Formation - Protective of Surface Water

Determinand	Units	EQS (Coastal)	LF\BH01D			MS\BH03D			MS\BH05D			MS\BH12D			MS\BH13D			MS\BH17D		
			R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3
Chromium (hexavalent)	ug/l	**0.6**	83			120			19			11								
Iron, Dissolved	ug/l	**1000**					11000						4500	2700	1200					
Lead, Dissolved	ug/l	**1.3**		1.4												2.5				
Mercury, Dissolved	ug/l	**0.07**	0.19	0.17	0.19			0.09	0.72									0.19	0.28	
Nickel, Dissolved	ug/l	**8.6**				22									11		15			
Zinc, Dissolved	ug/l	**6.8**		10									8.5		8.7	22	18			
Cyanide, Total Low Level	mg/l	**0.001**		0.0048	0.0052					0.019	0.006					0.0022			0.037	0.076
Cyanide, Free Low Level	mg/l	**0.001**							0.0013	0.0016										
Ammoniacal Nitrogen as N	mg/l	**0.021**	0.23	0.39	0.15	0.12	2.5	2.8	0.27	5.5	13	0.13	6.5	5.6	2.6	4.8	5.3	0.28	3.2	2.7
Bis(2-ethylhexyl)phthalate	ug/l	**1.3**		5																
Fluoranthene	ug/l	**0.0063**							0.02			0.01		0.013	0.02		0.012	0.04		0.032
>EC5-EC7 Aromatics	ug/l	**8**				58														
Benzene	ug/l	**8**				58														
Ethylbenzene	ug/l	**20**				210														

DWS Groundwater Exceedances in Redcar Mudstone Formation- Protective of Groundwater Quality

Determinand	Units	DWS	LF\BH01D			MS\BH03D			MS\BH05D			MS\BH12D			MS\BH13D			MS\BH17D		
			R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3	R1	R2	R3
Chromium (hexavalent)	ug/l	**50**	83			120														
Iron, Dissolved	ug/l	**200**					11000	360					4500	2700	1200					
Nickel	ug/l	**20**				22														
Selenium	ug/l	**10**				27			24											
Cyanide, Total Low Level	mg/l	**0.05**																		0.076
Thiocyanate	ug/l	**4**	25	46		26			410	3900	2700		32			42		110	110	120
Ammoniacal Nitrogen as N	mg/l	**0.5**					2.5	2.8		5.5	13		6.5	5.6	2.6	4.8	5.3		3.2	2.7
Nitrate as NO3	mg/l	**50**											140							
Nitrite as NO2	mg/l	**0.5**								5.3						440			7.3	
Sulphate as SO4	mg/l	**250**	390	820		1100	2700	2100							1300	3000	2600	890	810	920
Benzene	ug/l	**1**				58					5									
>EC5-EC7 Aromatics	ug/l	**1**				58														

Key

1.1	Concentration greater than Screening Value
	Concentration less than Screening Value
R1	Ground Monitoring Round 1 (August 2021)
R2	Ground Monitoring Round 2 (October 2021)
R3	Ground Monitoring Round 3 (November 2021)