Cambridge Waste Water Treatment Plant Relocation Project
Anglian Water Services Limited

Appendix 14.3: Geoenvironmental Results – proposed WWTP

Application Document Reference: 5.4.14.3
PINS Project Reference: WW010003
APFP Regulation No. 5(2)a

Revision No. 01
April 2023

Co e	Co e	Co e	Co e	Co e	Co e	Co e	Co e	Co e	Co e	Co e	Co e	Co e	Co e
2 -25408	2 -	2 -	2 -27533	2 -28 34	2 -	2 -2828	2 -	2 -	2 -30825	2 -	2 -24644	2 -25 4	2 -30854
									273499				
BH-S W-0 5	BH_S W_028	BH_S W_009	BH_S W_004	BH_S W_0 3A	BH_S W_0 6	BH_S W_0 3A	BH-S W0	BH_ S_004	BH-S W-022A	BH S W-020	BH_S W_00	BH_S W_023	_S W_007
BH-S W-0 5											2 3	0 6	2 2
22- ul-	29- u -	29- u -	05-Aug-	0 Aug-202	Aug-	3-Aug-	26-Aug-202	26-Aug-202	03-Sep-202	03-Sep-202	6- u-2	20- ul 2	
DURHA	DURHA	DURHA	DURHA			DURHAM	COVEN R	DURHA	COVEN R	COVEN R	DURHA	DURHA	DURHA
S	S	WMCK	S			SU D	SU D	WMCK	SU D	S	SU D	SU D	S
No	No	No Asbes os	No	No	No Asbes os	No Asbestos	No Asbes os	No Asbes os	No Asbes os	No Asbes os	No Asbestos	No Asbestos	No Asbes os
S ones Roots	S ones			Stones		Stones	Stones						

e T 4 am e Wa e Wa e T ea me a				ee s-				Sie
e ee e ee V ee								
uo ation No G2 -24797								
de No								
e e e e a	A e		e					
CM ype		2 92		N A	-	-	-	-
sbestos den i cation		2 92		N A	-	-	-	-
oil Colou		2040		N A	-	-	-	-
the Mate al		2040		N A	-	-	-	-
H		20 0		4	-	-	-	-
o on (Hot Wa e Soluble)		2 20	mg kg	0 4	-	-	-	-
ulphate 2 Wate So uble as SO4		2 20		0 0	-	-	-	-
otal Su phu		2 75		0 0	-	-	-	-
yanide (ee)		2300	mg kg	0 5	-	-	-	-
on		2430	mg kg	00	-	-	-	-
sen c		2450	mg kg		72	72000	640	640000
a um		2450	mg kg	0	5900	5900000	22000	22000000
e yl um		2450	mg kg		63	63000	2	2000
admium		2450	mg kg	0	580	580000	90	90000
h om um		2450	mg kg		-	-	-	-
Manganese		2450	mg kg	5	-	-	-	-
ntimony		2450	mg kg	2	3300	3300000	7400	7400000
oppe		2450	mg kg	0 5	44000	44000000	69000	69000000
Me cu y		2450	mg kg	0	-	-	-	-
ead		2450	mg kg	0 5	300	300000	2300	2300000
elen um		2450	mg kg	0 2	800	800000	2000	2000000
anad um		2450	mg kg	5	5000	5000000	9000	9000000
h om um (valent)		2490	mg kg		33000	33000000	8800	8800000
h om um Hexava en)		2490	mg kg	0 5	-	-	-	-
ac ion o O ganic Ca bon		2625		0 00	-	-	-	-
iphatic H>C5-C6		2680	mg kg		53000	53000000	7800	7800000
iphatic H>C6-C 0		2680	mg kg		4000	4000000	2000	2000000
iphatic H>C 0-C 2		2680	mg kg		2 300	2 300000	9700	9700000
iphatic H>C 2-C 6		2680	mg kg		25000	25000000	59000	59000000
iphatic H>C 6-C2		2680	mg kg		-	-	-	-
iphatic H>C2 -C35		2680	mg kg		-	-	-	-
iphatic H>C35-C44		2680	mg kg		-	-	-	-
otal Alpha ic Hyd oca bons		2680	mg kg	5	-	-	-	-
oma ic H>C5-C7		2680	mg kg		76000	76000000	26000	26000000
oma ic H>C7-C8		2680	mg kg		67000	67000000	56000	56000000
oma ic H>C8-C 0		2680	mg kg		7200	7200000	3500	3500000
oma ic H>C 0-C 2		2680	mg kg		9200	9200000	6000	6000000
oma ic H>C 6-C2		2680	mg kg		7600	7600000	28000	28000000
oma ic H>C2 C35		2680	mg kg		7600	7600000	28000	28000000
oma ic H>C35-C44		2680	mg kg		7600	7600000	28000	28000000
otal et oleum Hyd oca bons		2680	mg kg	2	-	-	-	-
aph ha ene		2700	mg kg	0	200	200000	90	90000
cenaph hy ene		2700	mg kg	0	29000	29000000	63000	63000000
uo ene		2700	mg kg	0	20000	20000000	63000	63000000
henan h ene		2700	mg kg	0	6200	6200000	22000	22000000
nth acene		2700	mg kg	0	53000	53000000	520000	520000000
y ene		2700	mg kg	0	5300	5300000	54000	54000000
enz(a)anth acene		2700	mg kg	0	49	49000	73	73000
h ysene		2700	mg kg	0	93	93000	350	350000
enzo(b) luo anthene		2700	mg kg	0	3	3000	44	44000
enzo(k) luo anthene		2700	mg kg	0	370	370000	200	200000
enzo(a)py ene		2700	mg kg	0		900	35	35000
ndeno(2 3-c d) y ene		2700	mg kg	0	50	50000	500	500000
benz(a h Anth acene		2700	mg kg	0		30	3 5	3500
enzo(g h)pe y ene		2700	mg kg	0	400	400000	3900	3900000
otal O 6 AHs		2700	mg kg	2	-	-	-	-
ch o odi uo omethane		2760	µg kg		-	-	-	-
hlo ome hane		2760	µg kg		-	-	-	-
omome hane		2760	µg kg	20	-	-	-	-
hlo oethane		2760	µg kg	2	54000	54000000	900	900000
ichlo o uo omethane		2760	µg kg		-	-	-	-
ans 2 D ch o oe hene		2760	µg kg		-	-	-	-
-Dichlo oethane		2760	µg kg		20000	20000000	260	260000
s 2 D ch o oe hene		2760	µg kg		-	-	-	-
chlo ome hane		2760	µg kg		-	-	-	-
- ich o oe hane		2760	µg kg		57000	57000000	660	660000
et ach o omethane		2760	µg kg		-	-	-	-
enzene		2760	µg kg		90	90000	27	27000
2-Dichlo oethane		2760	µg kg	2	2	2 000	0 67	670
chlo oethene		2760	µg kg		70	70000	2	200
2-Dichlo op opane		2760	µg kg		60	60000	3	3 00
b omomethane		2760	µg kg		-	-	-	-
omodich o omethane		2760	µg kg	5	56	56000	2	2000
s- 3-Dich o op opene		2760	µg kg	0	-	-	-	-
oluene		2760	µg kg		67000	67000000	56000	56000000
ans- 3-Dich o op opene		2760	µg kg	0	-	-	-	-
2- ich o oe hane		2760	µg kg	0	30	30000	69	69000
et ach o oe hene		2760	µg kg		8 0	8 0000	9	9000
3-Dichlo op opane		2760	µg kg	2	-	-	-	-
2-Dib omoethane		2760	µg kg	5	-	-	-	-
hlo obenzene		2760	µg kg		300	300000	56	56000
2- et achlo oethane		2760	µg kg	2	500	500000	3	3000
m& p-Xylene		2760	µg kg		-	-	-	-
Xylene		2760	µg kg		7000	7000000	6600	6600000
y ene		2760	µg kg		5900	5900000	3200	3200000
sop opylbenzene		2760	µg kg		23000	23000000	300	300000
omobenzene		2760	µg kg		600	600000	92	92000
2 3- ich o op opane		2760	µg kg	50	-	-	-	-
Chlo o o uene		2760	µg kg		-	-	-	-
3 5- imethylbenzene		2760	µg kg		-	-	-	-
Chlo o o uene		2760	µg kg		-	-	-	-
e -Bu ylben ene		2760	µg kg		-	-	-	-
2 4- imethylbenzene		2760	µg kg		2 0	2 0000	39	39000
ec-Bu ylbenzene		2760	µg kg		-	-	-	-
3-Dichlo obenzene		2760	µg kg		390	390000	30	30000
Isop opy to uene		2760	µg kg		-	-	-	-
4-Dichlo obenzene		2760	µg kg		36000	36000000	4200	4200000
-Butylbenzene		2760	µg kg		-	-	-	-
2-Dichlo obenzene		2760	µg kg		24000	24000000	2000	2000000
2-Dib omo-3-Ch o op opane		2760	µg kg	50	-	-	-	-
exach o obu adiene		2760	µg kg		49	49000	3	3 000
2 3- ich o obenzene		2760	µg kg	2	-	-	-	-
Methyl e -Bu yl Ethe		2760	µg kg		99000	99000000	7500	7500000
henol		2920	mg kg	0 02	440	440000	440	440000
esols		2920	mg kg	0 02	-	-	-	-
y eno s		2920	mg kg	0 02	-	-	-	-
methylphenols		2920	mg kg	0 02	-	-	-	-
otal henols		2920	mg kg	0	-	-	-	-

Location No Q2 -24797								
de No								
	A							
CM ype		2 92		N A	-	-	-	-
sbestos den i cation		2 92		N A	-	-	-	-
oil Colou		2040		N A	-	-	-	-
the Mate al		2040		N A	-	-	-	-
H		20 0		4	-	-	-	-
o on (Hot Wa e Soluble)		2 20	mg kg	0 4	-	-	-	-
ulphate 2 Wate So uble as SO4		2 20		0 0	-	-	-	-
otal Su phu		2 75		0 0	-	-	-	-
yanide (ee)		2300	mg kg	0 5	-	-	-	-
on		2430	mg kg	00	-	-	-	-
sen c		2450	mg kg		72	72000	640	640000
a um		2450	mg kg	0	5800	5800000	22000	22000000
e yl um		2450	mg kg		63	63000	2	2000
admium		2450	mg kg	0	580	580000	90	90000
h om um		2450	mg kg		-	-	-	-
Manganese		2450	mg kg	5	-	-	-	-
ntimony		2450	mg kg	2	3300	3300000	7400	7400000
oppe		2450	mg kg	0 5	44000	44000000	69000	69000000
Me cu y		2450	mg kg	0	-	-	-	-
ead		2450	mg kg	0 5	300	300000	2300	2300000
elen um		2450	mg kg	0 2	600	600000	2000	2000000
anad um		2450	mg kg	5	5000	5000000	9000	9000000
h om um (valent)		2490	mg kg		33000	33000000	9600	9600000
h om um Hexava en)		2490	mg kg	0 5	-	-	-	-
ac ion o O ganic Ca bon		2625		0 00	-	-	-	-
iphatic H >C5-C6		2680	mg kg		50000	50000000	7800	7800000
iphatic H >C6-C 0		2680	mg kg		4000	4000000	2000	2000000
iphatic H >C 0-C 2		2680	mg kg		2 000	2 000000	9700	9700000
iphatic H >C 2-C 6		2680	mg kg		25000	25000000	59000	59000000
iphatic H >C 6-C2		2680	mg kg		-	-	-	-
iphatic H >C2 -C35		2680	mg kg		-	-	-	-
iphatic H >C35-C44		2680	mg kg		-	-	-	-
otal Alpha ic Hyd oca bons		2680	mg kg	5	-	-	-	-
oma ic H >C5-C7		2680	mg kg		78000	78000000	26000	26000000
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oma ic H >C8-C 0		2680	mg kg		7200	7200000	3500	3500000
oma ic H >C 0-C 2		2680	mg kg		9200	9200000	6000	6000000
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oma ic H >C2 C35		2680	mg kg		7600	7600000	28000	28000000
oma ic H >C35-C44		2680	mg kg		7600	7600000	28000	28000000
otal et oleum Hyd oca bons		2680	mg kg	0	-	-	-	-
aph ha ene		2700	mg kg	0	200	200000	90	90000
cenaph hy ene		2700	mg kg	0	29000	29000000	63000	63000000
uo ene		2700	mg kg	0	20000	20000000	63000	63000000
henan h ene		2700	mg kg	0	6200	6200000	22000	22000000
nth acene		2700	mg kg	0	50000	50000000	520000	520000000
y ene		2700	mg kg	0	5000	5000000	54000	54000000
enzo(a)anth acene		2700	mg kg	0	49	49000	72	72000
h ysene		2700	mg kg	0	93	93000	350	350000
enzo(b) luo anthene		2700	mg kg	0	3	3000	44	44000
enzo(k) luo anthene		2700	mg kg	0	372	372000	200	200000
enzo(a)py ene		2700	mg kg	0		000	35	35000
ndeno(2 3-c d) y ene		2700	mg kg	0	50	50000	500	500000
benz(a h) Anth acene		2700	mg kg	0		00	3 5	3500
enzo(g h i) pe y ene		2700	mg kg	0	400	400000	3900	3900000
otal O 6 AHs		2700	mg kg	2	-	-	-	-
ch o odi uo omethane		2760	µg kg		-	-	-	-
hlo ome hane		2760	µg kg		-	-	-	-
omome hane		2760	µg kg	20	-	-	-	-
hlo oethane		2760	µg kg	2	54000	54000000	900	900000
ichlo o uo omethane		2760	µg kg		-	-	-	-
ans 2 Dich o oe hene		2760	µg kg		-	-	-	-
-Dichlo oethane		2760	µg kg		20000	20000000	260	260000
s 2 Dich o oe hene		2760	µg kg		-	-	-	-
chlo ome hane		2760	µg kg		-	-	-	-
- ich o oe hane		2760	µg kg		57000	57000000	660	660000
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enzene		2760	µg kg		90	90000	27	27000
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chlo oethene		2760	µg kg		70	70000	2	200
2-Dichlo op opane		2760	µg kg		60	60000	3	3 00
b omomethane		2760	µg kg		-	-	-	-
omod ch o omethane		2760	µg kg	5	58	58000	2	2000
s- 3-Dich o op opene		2760	µg kg	0	-	-	-	-
oluene		2760	µg kg		67000	67000000	56000	56000000
ans- 3-Dich o op opene		2760	µg kg	0	-	-	-	-
2- ich o oe hane		2760	µg kg	0	30	30000	89	89000
et ach o oe hene		2760	µg kg		8 0	8 0000	9	9000
3-Dichlo op opane		2760	µg kg	2	-	-	-	-
2-Dib omoethane		2760	µg kg	5	-	-	-	-
hlo obenzene		2760	µg kg		300	300000	56	56000
2- et achlo oethane		2760	µg kg	2	500	500000	3	3000
m & p-Xylene		2760	µg kg		-	-	-	-
Xylene		2760	µg kg		7000	7000000	6600	6600000
y ene		2760	µg kg		5900	5900000	3200	3200000
sop opylbenzene		2760	µg kg		23000	23000000	300	300000
omobenzene		2760	µg kg		900	900000	92	92000
2 3- ich o op opane		2760	µg kg	50	-	-	-	-
Chlo o o uene		2760	µg kg		-	-	-	-
3 5- imethylbenzene		2760	µg kg		-	-	-	-
Chlo o o uene		2760	µg kg		-	-	-	-
e -Bu ylben ene		2760	µg kg		-	-	-	-
2 4- imethylbenzene		2760	µg kg		3 0	3 0000	39	39000
ec-Bu ylbenzene		2760	µg kg		-	-	-	-
3-Dichlo obenzene		2760	µg kg		390	390000	30	30000
Isop opy to uene		2760	µg kg		-	-	-	-
4-Dichlo obenzene		2760	µg kg		36000	36000000	4200	4200000
-Butylbenzene		2760	µg kg		-	-	-	-
2-Dichlo obenzene		2760	µg kg		24000	24000000	2000	2000000
2-Dib omo-3-Ch o op opane		2760	µg kg	50	-	-	-	-
exach o obu adiene		2760	µg kg		48	48000	3	3 000
2 3- ich o obenzene		2760	µg kg	2	-	-	-	-
Methyl e -Bu yl Ethe		2760	µg kg		99000	99000000	7500	7500000
henol		2920	mg kg	0 02	440	440000	440	440000
esols		2920	mg kg	0 02	-	-	-	-
y enols		2920	mg kg	0 02	-	-	-	-
methylphenols		2920	mg kg	0 02	-	-	-	-
otal henols		2920	mg kg	0	-	-	-	-

In est olu e	n a t olu e	In est olu e	n est olu e	In est ol u e	In est olu e	n a t olu e	In est olu e	n est olu e	In est ol u e	In est olu e	In est ol u e	In est olu e	In est olu e	n est olu e	In est ol u e
2 -28294	2 -28294	2 -28993	2 28992	2 -28992	2 -294 8	2 -294 8	2 -294 8	2 2828	2 -2828	2 -28266	2 -28266	2 -28283	2 -28283	2 -	2 -
28 23	28 24	284380	284554	284558	288475	288476	288477	28 078	28 079	28 04	28 05				
BE_ E_005	BE_ E_00 5	UN-003	BH_ E_00	BH_ E_00	BH_OU -00	BH_OU 00	BH- UN-002	BH_ E_00 2	BH_ E_00 2	BH	B H	B H	B H	B H	B H
												0 5		0 5	0 5
0-Aug-202	0-Aug 202	8 Aug-202	8-Aug-202	8-Aug-202	9-Aug-202	9-Aug 202	23 Aug-202	2-Aug-202	2-Aug-202	3-Aug-202	3-Aug-202	29- ul 2	29- ul 2	[illegible]	[illegible]
DURHAM		DURHAM	COVEN R		DURHAM		DURHAM	DURHAM		DURHAM		DURHA	DURHA	DURHA	DURHA
B	SUPD	MGR	B	SUPD	SU D	SUPD	MGR	B	SUPD	SU D	SUPD	MGR	R D	WMCK	WMCK
No Asbes os		No Asbestos	No Asbes os		No Asbes os		No Asbestos	No Asbes os		No Asbes os		No	No	No	No
		Sto	Stones		Stones		Roo s and	Sto		St		Stones	Stones	None	Stones

Project: TE8364 Cambridge Waste Water Treatment Plant Relocation										Results - Leachate				
										core	core	infrastructure	infrastructure	infrastructure
Client: Soil Engineering Geoservices Ltd				Chemtest Job No.:						21-26285	21-28134	21-28963	21-31059	21-26263
Quotation No.: Q21-24797				Chemtest Clie		UK DWS mg/l	UK DWS ug/l	EQS mg/l	EQS ug/l	1251058	1260362	1264390	1274689	1250924
				Sample						8	2	2	2	8
				S						BH_STW_009	BH_STW_012A	TUN-003	BH-TUN-001A	BH_TUN_004
				T						SOIL	SOIL	SOIL	SOIL	SOIL
				Bottom						1.1	0.2	0.2	0.2	1.1
				D						1.2	0.2	0.25	0.25	1.2
				Strata:						28-Jul-2021 WMCK	10-Aug-2021 MGR	16-Aug-2021 MGR	06-Sep-2021 MGR	44405 RTD
Determinand	**Accred.**	**SOP**	**Type**	**Units**	**LOD**									
pH	U	1010	2:1		N/A	-	-	-	-	8.5	8.2	7.2	8.9	8.3
Chloride	U	1220	2:1	mg/l	1	250	250000	-	-	1.8	2	2.3	1.8	9.6
Fluoride	U	1220	2:1	mg/l	0.05	1.5	1500	-	-	0.55	1.6	1.2	0.8	0.35
Ammoniacal Nitrogen	U	1220	2:1	mg/l	0.05	0.38	380	0.2	200	0.11	0.67	0.061	0.075	0.15
Sulphate	U	1220	2:1	mg/l	1	250	250000	-	-	7.7	8.7	160	13	110
Cyanide (Total)	U	1300	2:1	mg/l	0.05	-	-	-	-	< 0.050	< 0.050	< 0.050		< 0.050
Cyanide (Free)	U	1300	2:1	mg/l	0.05	0.05	50	0.001	1	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cyanide (Complex)	U	1300	2:1	mg/l	0.05	-	-	-	-	< 0.050	< 0.050	< 0.050	0.1	< 0.050
Calcium	U	1455	2:1	mg/l	2	250	250000	-	-	24	29	69	32	68
Magnesium	U	1455	2:1	mg/l	0.2	50	50000	-	-	0.76	0.72	2.7	1	3.2
Arsenic	U	1455	2:1	µg/l	0.2	0.01	10	0.05	50	0.34	2.8	1.8	0.003	6
Boron	U	1455	2:1	µg/l	10	1	1000	2	#	43	35	64	0.02	130
Barium	U	1455	2:1	µg/l	5	1300	###	-	-	< 5.0	6.3	53	0.019	11
Beryllium	U	1455	2:1	µg/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 0.001	<1.0
Cadmium	U	1455	2:1	µg/l	0.11	0.005	5	##	0.08	< 0.11	< 0.11	< 0.11	< 0.00011	<0.11
Chromium	U	1455	2:1	µg/l	0.5	0.05	50	-	-	< 0.50	0.97	< 0.50		1.9
Copper	U	1455	2:1	µg/l	0.5	2	2000	0.001	1	2.4	4.4	7	0.0072	15
Manganese	U	1455	2:1	µg/l	0.5	0.05	50	0.123	123	2.7	4.8	2	0.0013	1.5
Molybdenum	U	1455	2:1	µg/l	0.2	0.07	70	-	-	6.4	2.3	21	0.013	15
Nickel	U	1455	2:1	µg/l	0.5	0.02	20	0.004	4	< 0.50	2.3	3.8	0.0014	4.3
Lead	U	1455	2:1	µg/l	0.5	0.01	10	0.0012	1.2	< 0.50	1.4	< 0.50	< 0.0005	<0.5
Antimony	U	1455	2:1	µg/l	0.5	0.005	5	-	-	< 0.50	< 0.50	0.83	0.0013	3.8
Selenium	U	1455	2:1	µg/l	0.5	0.01	10	-	-	0.58	< 0.50	1.3	0.0012	1
Vanadium	U	1455	2:1	µg/l	0.5	-	-	-	-	0.55	3.9	2.3	< 0.0005	10
Zinc	U	1455	2:1	µg/l	2.5	5	5000	0.0109	10.9	2.6	< 2.5	< 2.5	< 0.003	2.5
Mercury Low Level	U	1460	2:1	µg/l	0.01	-	-	-	-	< 0.010	< 0.010	0.02		<0.01
Iron	N	1455	2:1	µg/l	5	0.2	200	1	#	< 5.0	1400	13	0.042	11
Chromium (Trivalent)	N	1490	2:1	µg/l	20	-	-	0.0047	4.7	< 20	< 20	< 20	< 20	<20
Low-Level Chromium (Hexavalent)	N	1495	2:1	µg/l	0.1	-	-	-	-	< 0.10	0.17	0.16	< 20	0.65
Total Organic Carbon	U	1610	2:1	mg/l	2	-	-	-	-	15	9.1	8.6		19
Resorcinol	U	1920	2:1	mg/l	0.005	-	-	-	-	<	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Phenol	U	1920	2:1	mg/l	0.005	#	0.5	0.0077	7.7	<	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Cresols	U	1920	2:1	mg/l	0.005	-	-	-	-	<	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Xylenols	U	1920	2:1	mg/l	0.005	-	-	-	-	<	< 0.0050	< 0.0050	< 0.0050	< 0.0050
1-Naphthol	N	1920	2:1	mg/l	0.005	-	-	-	-	<	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Trimethylphenols	U	1920	2:1	mg/l	0.005	-	-	-	-	<	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Phenols	U	1920	2:1	mg/l	0.03	-	-	-	-	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030

Project: E8384 Cambridge Waste Water reatment Plant								Groundwater							
Relocation								Infrastructure	Infrastructure	Infrastructure	Infrastructure	Infrastructure	Infrastructure	Infrastructure	Infrastructure
Client: Soil Engineering Geoservices Ltd			Chemtest ob No :					21- 0931	21- 093	21- 0935	21-38515	21-38515	21-38515	21-3838	21-3838
Quotat on No.:			Chemtest Sample ID :					132_639	132_6_6	132_6_7	1312386	1312387	1312388	1311775	1311776
Order No.:			C ient Samp e Ref.:					2	2	2	1	1	1	1	1
			Sample Local on:	UK DWS mg/l	UK DWS ug/l	EQS mg l	EQS ug/l	BH_TUN_011	BH_FE_001	BH_FE_002	BH_TUN_001A	BH_FE_001	BH_FE_002	BH_TUN_011	BH_TUN_006
			Sample Type:					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Top Depth (m):					3	5		2			2	2
			Date Sampled:					17-Nov-2021	17-Nov-2021	17-Nov-2021	03-Nov-21	03-Nov-21	03-Nov-21	02-Nov-21	02-Nov-21
			Strata					WMCK / CBG	RTD	WMCK	RTD	SLIPD	WMCK	WMCK	MGR.RTD
Determinand	Accred	SOP	Unit	LOD											
pH		1010		N/A	-	-	-	-	11.5	7.9	8	8.3	8	8	11.7	8.3
Total Dissolved Sol ds		1020	mg/l	1	-	-	-	-	1000	910	720	980	910	90	1700	850
Alkalinity (Bicarbonate)		1220	mg CaCO3/l	10	-	-	-	-	22	80	350	350	10	230	25	0
Chloride		1220	mg/l	1	250	250000	-	-	51	190	95	120	210	93	7	1 0
Fluoride		1220	mg/l	0.05	1.5	1500	-	-	0.57	0.25	0.19	0.33	0.27	0.25	0.7	0.22
Ammoniacal Nitrogen		1220	mg/l	0.05	0.38	380	0.2	200	0.27	1.0	0.0	0.29	<0.05	<0.05	0.61	0.16
Nitra e		1220	mg/l	0.5	11.295	11295	-	-	11	25	81	<0.5	2	65	11	8.3
Sulphur		1220	mg/l	1	-	-	-	-	19	0	3	1 0	3	7	13	80
Sulphate		1220	mg/l	1	250	250000	-	-	56	120	130	20	130	1 0	39	2 0
Cyanide (Free)		1300	mg/l	0.05	-	-	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cyanide (Comp ex)		1300	mg/l	0.05	-	-	-	-	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ca cium		1 55	mg/l	2	250	250000	-	-	100	2 0	180	150	220	160	92	210
Potassium		1 55	mg/l	0.5	12	12000	-	-	29	5.8	2.8	11	6.	3.1	1	1
Magnesium		1 55	mg/l	0.2	50	50000	-	-	< 0.20	6.7	6.1	1	7.1	6.3	<0.20	12
Sodium		1 55	mg/l	1.5	200	200000	-	-	310	55	30	160	55	35	510	81
Total Hardness as CaCO3		1270	mg/l	15	-	-	-	-	260	620	70	30	15	590	30	230	570
Arsenic		1 55	mg/l	0.0002	0.01	10	0.05	50	0.0022	< 0.0002	< 0.0002	0.0007	0.0003	0.0003	0.0026	0.0015
Boron		1 55	mg/l	0.01	1	1000	2	2000	< 0.01	0.07	0.07	0.17	0.08	0.73	0.01	0.25
Barium		1 55	mg/l	0.005	1300	1300000	-	-	0.12	0.087	0.0 9	0.085	0.081	0.0 5	0.057	0.079
Beryllium		1 55	mg/l	0.001	-	-	-	-	< 0.001	< 0.001	< 0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium		1 55	mg/l	0.00011	0.005	5	0.00008	0.08	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.00067
Copper		1 55	mg/l	0.0005	2	2000	0.001	1	0.018	0.0027	0.0011	0.0022	0.0017	0.0011	0.015	0.0086
Mercury		1 55	mg/l	0.00005	0.001	1	0.00007	0.07	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	<0.0005	<0.0005
Manganese		1 55	mg/l	0.0005	0.05	50	0.123	123	0.0011	0.065	0.0026	0.058	0.062	0.0069	<0.0005	0.04
Molybdenum		1 55	mg/l	0.0002	0.07	70	-	-	0.062	0.0003	< 0.0002	0.0017	0.0005	0.0006	0.006	0.0053
Nickel		1 55	mg/l	0.0005	0.02	20	0.00		0.0058	0.0098	0.0039	0.0042	0.00 8	0.008	0.0039	0.021
Lead		1 55	g/l	0 0005	0.01	10	0 0012	1 2	0 00 6	0 0016	< 0 0005	< 0 0005	< 0 0005	< 0 0005	<0 0005	<0 0005
Antimony		1 55	mg/l	0.0005	0.005	5	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	<0.0005	0.001
Se enium		1 55	mg/l	0.0005	0.01	10	-	-	0.013	0.003	0.003	0.0011	0.00	0.00 1	0.01	0.0025
Vanadium		1 55	mg/l	0.0005	-	-	-	-	0.012	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.01	0.0011
Zinc		1 55	mg/l	0.002	5	5000	0.0109	10.9	0.006	0.006	0.008	0.003	<0.003	<0 003	<0.003	0.006
Iron		1 55	mg/l	0.005	0.2	200	1	1000	0.19	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.2	0.019
Chromium (Trivalent)		1 90	mg/l	0.02	-	-	0.00 7	.7	[B] 0 4	[B] < 0.020	[B] < 0.020	0.02	<0.02	0.02	13	<0.02
Chromium (Hexavalent)		1 90	mg/l	0.02	-	-	0.003	3.	[B] < 0.020	[B] < 0.020	[B] < 0.020	0.02	<0.02	0.02	<0.02	<0.02
Aliphatic TPH >C5-C6		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	1 0	70	230	370	200
Aliphatic TPH >C35-C		1675	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Aliphatic Hydrocarbons		1675	ug/l	5	-	-	-	-	< 5.0	< 5.0	< 5.0	1 0	70	230	< 0.10	< 0.10
Aromatic TPH >C5-C7		1675	ug/l	0.1	0.01	10	0.01	10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C7-C8		1675	ug/l	0.1	0.01	10	0.07	7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C8-C10		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C10-C12		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C12-C16		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C16-C21		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C21-C35		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	93	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C35-C		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	8	< 0.10	< 0.10
Total o a c H d oca o s		1675	ug/l	5	-	-	-	-	< 5.0	< 5.0	93	< 5.0	< 5.0	8	< 5.0	< 5.0
Total Petro eum Hydrocarbons		1675	ug/l	10	-	-	-	-	< 10	< 10	93	1 0	70	280	370	200
Dichlorod fluoromethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chlor de		1760	ug/l	1	0.0005	0.5	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane		1760	ug/l	5	-	-	-	-	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroethane		1760	ug/l	2	-	-	-	-	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tr chlorofluoromethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans 1,2-Dich oroethene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis 1 2-Dichloroethene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane		1760	ug/l	5	-	-	-	-	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Tr chloromethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trich oroethane		1760	ug/l	1	-	-	0.1	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrach oromethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene		1760	ug/l	1	0.001	1	0.01	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		1760	ug/l	2	0.003	3	0.01	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Tr chloroethene		1760	ug/l	1	0.01	10	0.01	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		1760	ug/l	1	0.0	0	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane		1760	ug/l	10	-	-	-	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromodich oromethane		1760	ug/l	5	0.06	60	-	-	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		1760	ug/l	10	-	-	-	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Toluene		1760	ug/l	1	0.7	700	0.07	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
T a s-1 3-Dic oo o e e		1760	ug/l	10	-	-	-	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1,2-Trich oroethane		1760	ug/l	10	-	-	0.	00	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Tetrach oroethene		1760	ug/l	1	0.01	10	0.01	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane		1760	ug/l	2	-	-	-	-	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Dibromoch oromethane		1760	ug/l	10	0.1	100	-	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromoethane		1760	ug/l	5	0.000	0.	-	-	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chlorobenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane		1760	ug/l	2	-	-	-	-	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		1760	ug/l	1	0.3	300	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene		1760	ug/l	1	-	-	0.01	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene		1760	ug/l	1	-	-	0.01	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene		1760	ug/l	1	0.02	20	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trich oropropane		1760	ug/l	50	-	-	-	-	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
N-Propylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tert-Butylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sec-Butylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Isopropyltoluene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1 4-Dic o e ze e		1760	ug/l	1	0 3	300	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
N-Butylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene		1760	ug/l	1	1	1000	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane		1760	ug/l	50	0.001	1	-	-	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
1,2, -Trich orobenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexach orobutad ene		1760	ug/l	1	0.0006	0.6	0.0001	0.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trich orobenzene		1760	ug/l	2	-	-	-	-	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methyl Tert-Butyl Ether		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene		1800	ug/l	0.1	-	-	0.002	2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene		1800	ug/l	0.1	-	-	0.0001	0.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene		1800	ug/l	0.1	0.000038	0.038	####	0.0063	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene		1800	ug/l	0.1	0.001	1	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k] luoranthene		1800	ug/l	0.1	0.001	1	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene		1800	ug/l	0.1	0.00001	0.01	####	##	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno[1,2,3-c,d]Pyrene		1800	ug/l	0.1	0.0001	0.1	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz[a,h]Anthracene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h]perylene		1800	ug/l	0.1	0.001	1	-	-	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's		1800	ug/l	2	-	-	-	-	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Reso c oil		1920	g/l	0 005	-	-	-	-	< 0 0050	< 0 0050	< 0 0050	< 0 0050	< 0 0050	< 0 0050	< 0 0050	< 0 0050
Phenol		1920	mg/l	0.005	0.0005	0.5	0.0077	7.7	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Cresols		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Xylenols		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
1-Naphthol		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Trimethylphenols		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Phenols		1920	mg/l	0.03	-	-	-	-	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030

Project: E8384 Cambridge Waste Water reatment Plant														
Relocation								core	core	core	core	core	core	core
Client: Soil Engineering Geoservices Ltd				Chemtest ob No :				21- 0932	21- 09 0	21- 09 1	21- 09 3	21- 09	21- 09 5	21- 09 6
Quotation No.:				Chemtest Sample ID :				132 6 0	132 663	132 66	132 669	132 670	132 671	132 672
Order No.:				Client Sample Reference :				1	1	1	1	1	1	1
				Sample Location:	UK DWS mg/l	UK DWS ug/l	EQS mg l	BH STW 026	BH STW 001	BH STW 009	BH STW 015	BH STW 023	BH STW 02	BH STW 025
				Sample Type:			EQS ug/l	WATER	WATER	WATER	WATER	WATER	WATER	WATER
				Top Depth (m):				8	8	10	10	10	10	8
				Date Sampled:				18-Nov-2021	18-Nov-2021	18-Nov-2021	18-Nov-2021	18-Nov-2021	18-Nov-2021	18-Nov-2021
				Strata				WMCK	WMCK	WMCK	WMCK	WMCK	WMCK	WMCK
Determinand	Accred	SOP	Unit	LOD										
pH		1010		N/A	-	-	-	-	#	#	8	#	#	#	#
Total Dissolved Solids		1020	mg/l	1	-	-	-	-	#	#	#	#	#	#	#
Alkalinity (Bicarbonate)		1220	mg CaCO3/l	10	-	-	-	-	#	#	#	#	#	#	#
Chloride		1220	mg/l	1	250	250000	-	-	#	#	51	#	58	#	87
Fluoride		1220	mg/l	0.05	1.5	1500	-	-	0.15	0.12	0.15	0.13	0.1	0.13	0.1
Ammoniacal Nitrogen		1220	mg/l	0.05	0.38	380	0.2	200	0.26	#	2	0.16	0.1	0.17	0.28
Nitrate		1220	mg/l	0.5	11.295	11295	-	-	< 0.50	#	0.53	#	23	#	#
Sulphur		1220	mg/l	1	-	-	-	-	#	#	2	#	31	#	57
Sulphate		1220	mg/l	1	250	250000	-	-	#	#	73	#	9	#	#
Cyanide (Free)		1300	mg/l	0.05	-	-	-	-	<	<	<	<	< 0.050	<	<
Cyanide (Complex)		1300	mg/l	0.05	-	-	-	-	<	0.05	<	<	< 0.050	<	<
Calcium		1 55	mg/l	2	250	250000	-	-	#	#	#	#	#	#	#
Potassium		1 55	mg/l	0.5	12	12000	-	-	#	#	12	7	7	#	#
Magnesium		1 55	mg/l	0.2	50	50000	-	-	#	#	#	7	#	#	#
Sodium		1 55	mg/l	1.5	200	200000	-	-	#	#	18	#	19	#	22
Total Hardness as CaCO3		1270	mg/l	15	-	-	-	-	#	#	#	#	#	#	#
Arsenic		1 55	mg/l	0.0002	0.01	10	0.05	50	#	#	< 0.0002	< 0.0002	0.0002	< 0.0002	< 0.0002
Boron		1 55	mg/l	0.01	1	1000	2	2000	0.0	0.0	0.05	0.03	0.0	0.0	0.0
Barium		1 55	mg/l	0.005	1300	1300000	-	-	0.15	0.12	0.1	0.1	0.11	0.11	0.11
Beryllium		1 55	mg/l	0.001	-	-	-	-	<	<	<	<	< 0.001	<	<
Cadmium		1 55	mg/l	0.00011	0.005	5	0.00008	0.08	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
Copper		1 55	mg/l	0.0005	2	2000	0.001	1	#	#	0.001	#	0.0014	0.0011	0.0006
Mercury		1 55	mg/l	0.00005	0.001	1	0.00007	0.07	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Manganese		1 55	mg/l	0.0005	0.05	50	0.123	123	0.0 7	0.03	0.031	0.02	0.017	0.03	0.037
Molybdenum		1 55	mg/l	0.0002	0.07	70	-	-	#	#	0.0005	#	0.0003	0.0002	0.0003
Nickel		1 55	mg/l	0.0005	0.02	20	0.00		0.001	#	0.0015	#	0.0036	0.001	0.0007
Lead		1 55	g/l	0.0005	0.01	10	0.0012	1.2	#	#	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Antimony		1 55	mg/l	0.0005	0.005	5	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Selenium		1 55	mg/l	0.0005	0.01	10	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Vanadium		1 55	mg/l	0.0005	-	-	-	-	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Zinc		1 55	mg/l	0.002	5	5000	0.0109	10.9	0.01	0 013	0.00	0.008	0.005	0.009	0.00
Iron		1 55	mg/l	0.005	0.2	200	1	1000	<	<	<	<	< 0.005	<	<
Chromium (Trivalent)		1 90	mg/l	0.02	-	-	0.00 7	.7	[B] < 0.020	[B] <	[B] < 0.020	[B] 0.7	[B] 0 68	[B] 3 0	[B] < 0.020
Chromium (Hexavalent)		1 90	mg/l	0.02	-	-	0.003	3.	[B] < 0.020	[B] <	[B] < 0.020	[B] < 0.020	[B] < 0.020	[B] < 0.020	[B] < 0.020
Aliphatic TPH >C5-C6		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C		1675	ug/l	0.1	-	-	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Aliphatic Hydrocarbons		1675	ug/l	5	-	-	-	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7		1675	ug/l	0.1	0.01	10	0.01	10	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C7-C8		1675	ug/l	0.1	0.01	10	0.07	7	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C8-C10		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C10-C12		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C12-C16		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C16-C21		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C21-C35		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C35-C		1675	ug/l	0.1	0.01	10	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Aromatic Hydrocarbons		1675	ug/l	5	-	-	-	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons		1675	ug/l	10	-	-	-	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride		1760	ug/l	1	0.0005	0.5	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane			ug/l	5	-	-	-	-	<	<	<	<	<	<	<
Chloroethane		1760	ug/l	2	-	-	-	-	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Trichlorofluoromethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans 1,2-Dichloroethene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis 1,2-Dichloroethene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane		1760	ug/l	5	-	-	-	-	<	<	<	<	<	<	<
Trichloromethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane		1760	ug/l	1	-	-	0.1	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene		1760	ug/l	1	0.001	1	0.01	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane		1760	ug/l	2	0.003	3	0.01	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Trichloroethene		1760	ug/l	1	0.01	10	0.01	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane		1760	ug/l	1	0.0	0	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane		1760	ug/l	10	-	-	-	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromodichloromethane		1760	ug/l	5	0.06	60	-	-	<	<	<	<	<	<	<
cis-1,3-Dichloropropene		1760	ug/l	10	-	-	-	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Toluene		1760	ug/l	1	0.7	700	0.07	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-Dichloropropene		1760	ug/l	10	-	-	-	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1,2-Trichloroethane		1760	ug/l	10	-	-	0.	00	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene		1760	ug/l	1	0.01	10	0.01	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane		1760	ug/l	2	-	-	-	-	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Dibromochloromethane		1760	ug/l	10	0.1	100	-	-	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dibromoethane		1760	ug/l	5	0.000	0.	-	-	<	<	<	<	<	<	<
Chlorobenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane		1760	ug/l	2	-	-	-	-	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene		1760	ug/l	1	0.3	300	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene		1760	ug/l	1	-	-	0.01	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene		1760	ug/l	1	-	-	0.01	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene		1760	ug/l	1	0.02	20	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane		1760	ug/l	50	-	-	-	-	< 50	< 50	< 50	< 50	< 50	< 50	< 50
N-Propylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tert-Butylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sec-Butylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Isopropyltoluene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene		1760	ug/l	1	0.3	300	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
N-Butylbenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene		1760	ug/l	1	1	1000	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane		1760	ug/l	50	0.001	1	-	-	< 50	< 50	< 50	< 50	< 50	< 50	< 50
1,2,4-Trichlorobenzene		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene		1760	ug/l	1	0.0006	0.6	0.0001	0.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene		1760	ug/l	2	-	-	-	-	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Methyl Tert-Butyl Ether		1760	ug/l	1	-	-	-	-	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene		1800	ug/l	0.1	-	-	0.002	2	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene		1800	ug/l	0.1	-	-	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene		1800	ug/l	0.1	-	-	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene		1800	ug/l	0.1	-	-	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene		1800	ug/l	0.1	-	-	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene		1800	ug/l	0.1	-	-	0.0001	0.1	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene		1800	ug/l	0.1	0.000038	0.038	#####	0.0063	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene		1800	ug/l	0.1	-	-	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene		1800	ug/l	0.1	-	-	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene		1800	ug/l	0.1	-	-	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene		1800	ug/l	0.1	0.001	1	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene		1800	ug/l	0.1	0.001	1	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene		1800	ug/l	0.1	0.00001	0.01	#####	##	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno[1,2,3-c,d]Pyrene		1800	ug/l	0.1	0.0001	0.1	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz[a,h]Anthracene		1800	ug/l	0.1	-	-	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,]perylene		1800	ug/l	0.1	0.001	1	-	-	< 0.10	<	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAHs		1800	ug/l	2	-	-	-	-	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Reso ci ol		1920	g/l	0 005	-	-	-	-	< 0 0050	< 0 0050	< 0 0050	< 0 0050	< 0 0050	< 0 0050	< 0 0050
Phenol		1920	mg/l	0.005	0.0005	0.5	0.0077	7.7	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Cresols		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Xylenols		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
1-Naphthol		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Trimethylphenols		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Phenols		1920	mg/l	0.03	-	-	-	-	<	<	<	<	< 0.030	<	<

Project: E8384 Cambridge Waste Water reatment Plant									Surface water		
Relocation									Quy Fen me n pc	All cky Fa m Pond	Black d tch
Client: Soil Engineering Geoservices Ltd				Chemtest ob No :					21- 09 9	21- 0950	21- 0952
Quotat on No.:				Chemtest Sample ID :					132 689	132 690	132 691
Order No.:				C ient Samp e Ref.:					1	1	1
				Sample Local on:					SW01	SW02	SW03
				Sample Type:	UK DWS mg/l	UK DWS ug/l	EQS mg l	EQS ug/l	WATER	WATER	WATER
				Top Depth (m):					0	0	0
				Date Sampled:					##########	##########	##########
				Strata					n/a	n/a	n/a
Determinand	Accred	SOP	Unit	LOD							
pH		1010		N/A	-	-	-	-	8.	8.	8.2
Total Dissolved Sol ds		1020	mg/l	1	-	-	-	-	590	650	780
Alkalinity (Bicarbonate)		1220	mg CaCO3/l	10	-	-	-	-	230	380	10
Chloride		1220	mg/l	1	250	250000	-	-	89	120	1 0
Fluoride		1220	mg/l	0.05	1.5	1500	-	-	0.18	0.21	0.17
Ammoniacal Nitrogen		1220	mg/l	0.05	0.38	380	0.2	200	0.49	1.2	0.0
Nitra e		1220	mg/l	0.5	11.295	11295	-	-	< 0.50	< 0.50	3
Sulphur		1220	mg/l	1	-	-	-	-	33	0	0
Sulphate		1220	mg/l	1	250	250000	-	-	100	120	120
Cyanide (Free)		1300	mg/l	0.05	-	-	-	-	< 0.050	< 0.050	< 0.050
Cyanide (Comp ex)		1300	mg/l	0.05	-	-	-	-	< 0.050	< 0.050	< 0.050
Ca cium		1 55	mg/l	2	250	250000	-	-	120	160	180
Potassium		1 55	mg/l	0.5	12	12000	-	-	13	2.8	
Magnesium		1 55	mg/l	0.2	50	50000	-	-	8.3	5.7	5.7
Sodium		1 55	mg/l	1.5	200	200000	-	-	35	30	0
Total Hardness as CaCO3		1270	mg/l	15	-	-	-	-	3 0	30	80
Arsenic		1 55	mg/l	0.0002	0.01	10	0.05	50	0.0015	0.001	0.0006
Boron		1 55	mg/l	0.01	1	1000	2	2000	0.05	0.03	0.0
Barium		1 55	mg/l	0.005	1300	1300000	-	-	#	0.11	#
Beryllium		1 55	mg/l	0.001	-	-	-	-	< 0.001	< 0.001	< 0.001
Cadmium		1 55	mg/l	0.00011	0.005	5	0.00008	0.08	<	<	<
Copper		1 55	mg/l	0.0005	2	2000	0.001	1	0.0023	0.0025	0.0029
Mercury		1 55	mg/l	0.00005	0.001	1	0.00007	0.07	<	<	<
Manganese		1 55	mg/l	0.0005	0.05	50	0.123	123	0.003	#	0.0073
Molybdenum		1 55	mg/l	0.0002	0.07	70	-	-	0.0007	0.0002	0.0008
Nickel		1 55	mg/l	0.0005	0.02	20	0.00		0.0032	0.0008	0.0089
Lead		1 55	g/l	0 0005	0 01	10	0 0012	1 2	< 0 0005	< 0 0005	< 0 0005
Antimony		1 55	mg/l	0.0005	0.005	5	-	-	0.0006	< 0.0005	0.0006
Se enium		1 55	mg/l	0.0005	0.01	10	-	-	0.0015	0.0009	0.0015
Vanadium		1 55	mg/l	0.0005	-	-	-	-	< 0.0005	< 0.0005	< 0.0005
Zinc		1 55	mg/l	0.002	5	5000	0.0109	10.9	#	#	0.01
Iron		1 55	mg/l	0.005	0.2	200	1	1000	0.01	#	#
Chromium (Trivalent)		1 90	mg/l	0.02	-	-	0.00 7	.7	[B] 7 6	[B] 7 9	[B] 7 8
Chromium (Hexavalent)		1 90	mg/l	0.02	-	-	0.003	3.	[B] < 0.020	[B] < 0.020	[B] < 0.020
Aliphatic TPH >C5-C6		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C		1675	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10
Total Aliphatic Hydrocarbons		1675	ug/l	5	-	-	-	-	<	<	<
Aromatic TPH >C5-C7		1675	ug/l	0.1	0.01	10	0.01	10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C7-C8		1675	ug/l	0.1	0.01	10	0.07	7	< 0.10	< 0.10	< 0.10
Aromatic TPH >C8-C10		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aromatic TPH >C10-C12		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aromatic TPH >C12-C16		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aromatic TPH >C16-C21		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aromatic TPH >C21-C35		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Aromatic TPH >C35-C		1675	ug/l	0.1	0.01	10	-	-	< 0.10	< 0.10	< 0.10
Total o a ic H d oca o s		1675	ug/l	5	-	-	-	-	<	<	<
Total Petro eum Hydrocarbons		1675	ug/l	10	-	-	-	-	< 10	< 10	< 10
Dichlorod fluoromethane		1760	ug/l	1	-	-	-	-	<	<	<
Chloromethane		1760	ug/l	1	-	-	-	-	<	<	<
Vinyl Chlor de		1760	ug/l	1	0.0005	0.5	-	-	<	<	<
Bromomethane		1760	ug/l	5	-	-	-	-	< 5	< 5	< 5
Chloroethane		1760	ug/l	2	-	-	-	-	<	<	<
Tr chlorofluoromethane		1760	ug/l	1	-	-	-	-	<	<	<
1,1-Dichloroethene		1760	ug/l	1	-	-	-	-	<	<	<
Trans 1,2-Dich oroethene		1760	ug/l	1	-	-	-	-	<	<	<
1,1-Dichloroethane		1760	ug/l	1	-	-	-	-	<	<	<
cis 1 2-Dichloroethene		1760	ug/l	1	-	-	-	-	<	<	<
Bromochloromethane		1760	ug/l	5	-	-	-	-	< 5	< 5	< 5
Tr chloromethane		1760	ug/l	1	-	-	-	-	<	<	<
1,1,1-Trich oroethane		1760	ug/l	1	-	-	0.1	100	<	<	<
Tetrach oromethane		1760	ug/l	1	-	-	-	-	<	<	<
1,1-Dichloropropene		1760	ug/l	1	-	-	-	-	<	<	<
Benzene		1760	ug/l	1	0.001	1	0.01	10	<	<	<
1,2-Dichloroethane		1760	ug/l	2	0.003	3	0.01	10	<	<	<
Tr chloroethene		1760	ug/l	1	0.01	10	0.01	10	<	<	<
1,2-Dichloropropane		1760	ug/l	1	0.0	0	-	-	<	<	<
Dibromomethane		1760	ug/l	10	-	-	-	-	< 10	< 10	< 10
Bromodich oromethane		1760	ug/l	5	0.06	60	-	-	< 5	< 5	< 5
cis-1,3-Dichloropropene		1760	ug/l	10	-	-	-	-	< 10	< 10	< 10
Toluene		1760	ug/l	1	0.7	700	0.07	7	<	<	<
T a s-1 3-Dic oo o e e		1760	ug/l	10	-	-	-	-	< 10	< 10	< 10
1,1,2-Trich oroethane		1760	ug/l	10	-	-	0.	00	< 10	< 10	< 10
Tetrach oroethene		1760	ug/l	1	0.01	10	0.01	10	<	<	<
1,3-Dichloropropane		1760	ug/l	2	-	-	-	-	<	<	<
Dibromoch oromethane		1760	ug/l	10	0.1	100	-	-	< 10	< 10	< 10
1,2-Dibromoethane		1760	ug/l	5	0.000	0.	-	-	< 5	< 5	< 5
Chlorobenzene		1760	ug/l	1	-	-	-	-	<	<	<
1,1,1,2-Tetrachloroethane		1760	ug/l	2	-	-	-	-	<	<	<
Ethylbenzene		1760	ug/l	1	0.3	300	-	-	<	<	<
m & p-Xylene		1760	ug/l	1	-	-	0.01	10	<	<	<
o-Xylene		1760	ug/l	1	-	-	0.01	10	<	<	<
Styrene		1760	ug/l	1	0.02	20	-	-	<	<	<
Tribromomethane		1760	ug/l	1	-	-	-	-	<	<	<
Isopropylbenzene		1760	ug/l	1	-	-	-	-	<	<	<
Bromobenzene		1760	ug/l	1	-	-	-	-	<	<	<
1,2,3-Trich oropropane		1760	ug/l	50	-	-	-	-	< 50	< 50	< 50
N-Propylbenzene		1760	ug/l	1	-	-	-	-	<	<	<
2-Chlorotoluene		1760	ug/l	1	-	-	-	-	<	<	<
1,3,5-Trimethylbenzene		1760	ug/l	1	-	-	-	-	<	<	<
-Chlorotoluene		1760	ug/l	1	-	-	-	-	<	<	<
Tert-Butylbenzene		1760	ug/l	1	-	-	-	-	<	<	<
1,2, -Trimethylbenzene		1760	ug/l	1	-	-	-	-	<	<	<
Sec-Butylbenzene		1760	ug/l	1	-	-	-	-	<	<	<
1,3-Dichlorobenzene		1760	ug/l	1	-	-	-	-	<	<	<
-isopropyltoluene		1760	ug/l	1	-	-	-	-	<	<	<
1 -Dic lo o e ze e		1760	ug/l	1	0 3	300	-	-	<	<	<
N-Butylbenzene		1760	ug/l	1	-	-	-	-	<	<	<
1,2-Dichlorobenzene		1760	ug/l	1	1	1000	-	-	<	<	<
1,2-Dibromo-3-Chloropropane		1760	ug/l	50	0.001	1	-	-	< 50	< 50	< 50
1,2, -Trich orobenzene		1760	ug/l	1	-	-	-	-	<	<	<
Hexach orobutad ene		1760	ug/l	1	0.0006	0.6	0.0001	0.1	<	<	<
1,2,3-Trich orobenzene		1760	ug/l	2	-	-	-	-	<	<	<
Methyl Tert-Butyl Ether		1760	ug/l	1	-	-	-	-	<	<	<
Naphthalene		1800	ug/l	0.1	-	-	0.002	2	< 0.10	< 0.10	< 0.10
Acenaphthylene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10
Acenaphthene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10
Fluorene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10
Phenanthrene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10
Anthracene		1800	ug/l	0.1	-	-	0.0001	0.1	< 0.10	< 0.10	< 0.10
Fluoranthene		1800	ug/l	0.1	0.000038	0.038	####	0.0063	< 0.10	< 0.10	< 0.10
Pyrene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10
Chrysene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene		1800	ug/l	0.1	0.001	1	-	-	< 0.10	< 0.10	< 0.10
Benzo[k] luoranthene		1800	ug/l	0.1	0.001	1	-	-	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene		1800	ug/l	0.1	0.00001	0.01	####	##	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene		1800	ug/l	0.1	0.0001	0.1	-	-	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene		1800	ug/l	0.1	-	-	-	-	< 0.10	< 0.10	< 0.10
Benzo(g,h,i)perylene		1800	ug/l	0.1	0.001	1	-	-	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's		1800	ug/l	2	-	-	-	-	<	<	<
Reso c ol		1920	g/l	0 005	-	-	-	-	< 0 0050	< 0 0050	< 0 0050
Phenol		1920	mg/l	0.005	0.0005	0.5	0.0077	7.7	< 0.0050	< 0.0050	< 0.0050
Cresols		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050
Xylenols		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050
1-Naphthol		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050
Trimethylphenols		1920	mg/l	0.005	-	-	-	-	< 0.0050	< 0.0050	< 0.0050
Total Phenols		1920	mg/l	0.03	-	-	-	-	< 0.030	< 0.030	< 0.030

Get in touch

You can contact us by:

Emailing at **info@cwwtpr.com**


Calling our Freephone information line on **0808 196 1661**

Writing to us at **Freepost: CWWTPR**


Visiting our website at [redacted]

You can view all our DCO application documents and updates on the application on The Planning Inspectorate website:

https://infrastructure.planninginspectorate.gov.uk/projects/eastern/cambridge-waste-water-treatment-plant-relocation/