Concentration exceeds GAC	100
Limit of detection (LOD) exceeds GAC	<0.1
Concentration lower than LOD	< 0.1

Determinand	Units	GAC	Source	No. > LOD	No. > GAC	Min.	Max.	BH24-02	BH24-02	BH24-03	BH24-03	BH24-10	BH24-10	BH24-10	DS24-02	DS24-02	DS24-07	DS24-07	DS24-07
BH_ID																			
Sample date								29/07/2024	29/07/2024	08/09/2024	08/09/2024	12/08/2024	12/08/2024	13/08/2024	31/07/2024	31/07/2024	31/07/2024	31/07/2024	31/07/2024
Samp depth								0.30	1.20	0.20	1.70	0.30	1.80	4.50	0.30	1.10	0.30	0.70	1.10
Eurofins omegam ref																			
Perfluorinated carboxylic acids:																			
PFBA (perfluorobutanoic acid)	µg/kg	-	-	26 of 35	No GAC	<2	283	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFPeA (perfluoropentanoic acid)	µg/kg	-	-	26 of 35	No GAC	<1	313	<0.1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFHxA (perfluorohexanoic acid)	µg/kg	-	-	30 of 35	No GAC	<1	440	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFHpA (perfluoroheptanoic acid)	µg/kg	-	-	27 of 35	No GAC	<1	481	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFOA linear (perfluorooctanesulfonic acid)	µg/kg	-	-	28 of 35	No GAC	<0.65	100	<0.1	<0.1	<0.1	4.9	0.3	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1
PFOA branched (perfluorooctanoic acid)	µg/kg	-	-	28 of 35	No GAC	<0.65	977	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFNA	µg/kg	-	-	21 of 35	No GAC	<1	<50	<0.1	<0.1	<0.1	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFDA	µg/kg	-	-	5 of 35	No GAC	<2	<100	<0.1	<0.1	<0.1	2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFUnDA	µg/kg	-	-	0 of 35	No GAC	<2	<100	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFDoDA	µg/kg	-	-	0 of 35	No GAC	<2	<100	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFTrDA	µg/kg	-	-	0 of 35	No GAC	<3	<150	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFTeDA	µg/kg	-	-	0 of 35	No GAC	<1	<50	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFHxDA	µg/kg	-	-	3 of 35	No GAC	<1	<50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFODA	µg/kg	-	-	0 of 35	No GAC	<1	<50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
HFPO-DA	µg/kg	-	-	0 of 32	No GAC	<2	<100												
Perfluorinated sulfonic acids:	µg/kg																		
PFBS	µg/kg	-	-	24 of 35	No GAC	<1	123	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFPeS	µg/kg	-	-	11 of 35	No GAC	<1	121	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFHxS (perfluorohexanesulfonic acid)	µg/kg	-	-	28 of 35	No GAC	<1	298	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1
PFHpS	µg/kg	-	-	0.4	No GAC	<1	<50	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFOS linear	µg/kg	-	-	1.8	No GAC	<0.65	62.8	<0.1	<0.1	<0.1	1.7	0.5	<0.1	2	<0.1	<0.1	<0.1	<0.1	<0.1
PFOS branched	µg/kg	-	-	27 of 35	No GAC	<0.65	55.2	<0.1	<0.1	<0.1	1.2	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1
PFDS	µg/kg	-	-	0 of 35	No GAC	<2	<100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorinated alkyl substances - precursors:	µg/kg																		
4:2 FTS	µg/kg	-	-	0 of 35	No GAC	<1	<50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6:2 FTS (6:2 Fluorotelomer sulfonic acid)	µg/kg	-	-	14 of 35	No GAC	<1	120	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8:2 FTS	µg/kg	-	-	2 of 35	No GAC	<2	<100	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10:2 FTS	µg/kg	-	-	0 of 3	No GAC	<50	<50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFOSA	µg/kg	-	-	0 of 35	No GAC	<2	<100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorinated alkyl substances - remainder:	µg/kg																		
HPFHpA	µg/kg	-	-	0 of 3	No GAC	<500	<500	<0.4	0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
4H-PFUnDA	µg/kg	-	-	0 of 3	No GAC	<50	<50	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
8:2 FTUCA	µg/kg	-	-	0 of 3	No GAC	<50	<50	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
9Cl-PF3ONS (F53-B)	µg/kg	-	-	0 of 35	No GAC	<1	<50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ADONA	µg/kg	-	-	0 of 35	No GAC	<1	<50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EtFOSA	µg/kg	-	-	0 of 35	No GAC	<1	<50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EtFOSAA	µg/kg	-	-	0 of 35	No GAC	<2	<100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MeFBSA	µg/kg	-	-	0 of 3	No GAC	<20	<20	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
MeFOSAA	µg/kg	-	-	2 of 35	No GAC	<2	<100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P37DMOA	µg/kg	-	-	0 of 3	No GAC	<500	<500	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PFBSA	µg/kg	-	-	10 of 35	No GAC	<1	<50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MeFOSA	µg/kg	-	-	0 of 35	No GAC	<1	<50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MeFBSAA	µg/kg	-	-	0 of 3	No GAC	<20	<20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8:2 DiPAP	µg/kg	-	-	0 of 3	No GAC	<100	<100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
sum PFOA	µg/kg	-	-	3 of 3	No GAC	30	120	0.1	0.1	0.1	5	0.4	0.1	0.4	0.1	0.1	0.1	0.1	0.1
sum PFOS	µg/kg	0.65	EQS	29 of 35	29	<0.65	118	0.1	0.1	0.1	2.9	0.6	0.1	2.3	0.1	0.1	0.1	0.1	0.1
Total PFAS	µg/kg	100	DWI GV Tier 3	35 of 35	24			0	0.4	0	15.4	0.9	0	2.9	0	0	0	0	0

Concentration exceeds GAC	DS24-07	DS24-08	DS24-08	DS24-08	BH24-08	BH24-08	BH25-03	BH25-04	BH25-01	**DS25-11**	**BH25-05**	**DS25-12**	**BH25-02**	**DS25-16**	**DS25-14**	**DS25-06**	**DS25-18**	**DS25-04**	**DS25-02**
Limit of detection (LOD) exceeds GAC	31/07/2024	31/07/2024	31/07/2024	02/08/2024	02/08/2024	02/08/2024	18/02/2025	18/02/2025	18/02/2025	20/02/2025	20/02/2025	20/02/2025	20/02/2025	20/02/2025	20/02/2025	20/02/2025	21/02/2025	21/02/2025	24/02/2025
Concentration lower than LOD	2.40	0.30	1.10	2.30	0.50	1.20	0.3	0.9	0.3	**1**	**0.3**	**0.4**	**0.9**	**0.3**	**0.3**	**0.3**	**0.9**	**0.3**	**0.3**
							8666942	**8666945**	**8666946**	**8676273**	**8676274**	**8676275**		**8676276**	**8676277**	**8676278**	**8676299**	**8676300**	**8676307**
Determinand																			
Perfluorinated carboxylic acids:																			
PFBA (perfluorobutanoic acid)	<0.1	<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	0.2	<0.1	<0.1	<0.1	<0.1
PFPeA (perfluoropentanoic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFHxA (perfluorohexanoic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFHpA (perfluoroheptanoic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFOA linear (perfluorooctanesulfonic acid)	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
PFOA branched (perfluorooctanoic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
PFNA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFUnDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFDoDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFTrDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFTeDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFHxDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFODA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
HFPO-DA							<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorinated sulfonic acids:																			
PFBS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFPeS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFHxS (perfluorohexanesulfonic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFHpS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFOS linear	<0.1	<0.1	<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	0.2	0.4	0.2	<0.1
PFOS branched	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFDS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorinated alkyl substances - precursors:																			
4:2 FTS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6:2 FTS (6:2 Fluorotelomer sulfonic acid)	<0.1	<0.1	<0.1	<0.1	<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	<0.1	<0.1
8:2 FTS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<.1	<.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10:2 FTS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFOSA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorinated alkyl substances - remainder:																			
HPFHpA	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
4H-PFUnDA	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
8:2 FTUCA	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
9Cl-PF3ONS (F53-B)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ADONA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EtFOSA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EtFOSAA	<0.1	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
MeFBSA	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
MeFOSAA	<0.1	<0.1	<0.1	<0.1	0.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
P37DMOA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0	<1	<1	<1	<1	<1	<1
PFBSA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MeFOSA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MeFBSAA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8:2 DiPAP	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
sum PFOA	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	0.1	0.2	0.2	0.1	0.1
sum PFOS	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.5	0.3	0.1
Total PFAS	0	0	0	0	1.8	0													

Concentration exceeds GAC	DS25-13	DS25-05	DS25-10	DS25-01	DS25-08	DS25-15	DS25-07	DS25-03	DS25-09	DS25-17	Drainage 2	Drainage 3	Attenuation pond	Drainage 3	Attenuation pond	Drainage 1
Limit of detection (LOD) exceeds GAC	24/02/2025	24/02/2025	26/02/2025	26/02/2025	26/02/2025	27/02/2025	25/02/2025	25/02/2025	03/03/2025	03/03/2025	25/03/2025	25/03/2025			08/04/2025	08/04/2025
Concentration lower than LOD	**1**	**1**	**0.3**	**0.8**	**0.3**	**0.3**	**1**	**0.3**	**0.8**	**0.3**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
	8676308	**8676309**	**8694857**	**8694859**	**8694860**	**8687066**					**8723357**	**8723358**				
Determinand																
Perfluorinated carboxylic acids:																
PFBA (perfluorobutanoic acid)	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	0.5	0.2
PFPeA (perfluoropentanoic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	1.2	<0.1	1.1	<0.1
PFHxA (perfluorohexanoic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.57	0.032	0.5	0.2
PFHpA (perfluoroheptanoic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.47	<0.1	0.5	<0.1
PFOA linear (perfluorooctanesulfonic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.2	0.18	<0.2	0.3	<0.2
PFOA branched (perfluorooctanoic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFNA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	0.23	0.032	0.2	<0.1
PFDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.21	<0.1	0.2	<0.1
PFUnDA	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	0.1	<0.1
PFDoDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	0.32	<0.1	0.2
PFTrDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFTeDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	0.22	<0.1	0.1
PFHxDA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.052	<0.1	<0.1
PFODA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
HFPO-DA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorinated sulfonic acids:																
PFBS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	1.1	<0.1	<0.1	0.1	0.1
PFPeS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PFHxS (perfluorohexanesulfonic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.049	<0.1	0.2	<0.1
PFHpS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2
PFOS linear	0.2	<0.1	<0.1	<0.1	<0.1	1.4	<0.1	<0.1	<0.1	0.1	1	<0.3	<0.3	<0.3	1.6	0.2
PFOS branched	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	0.2	<0.1
PFDS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorinated alkyl substances - precursors:																
4:2 FTS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6:2 FTS (6:2 Fluorotelomer sulfonic acid)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.18	<0.1	0.2	4.3
8:2 FTS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<.0	<.1	<.0	<.1	0.1	<0.1	<0.2	<0.3	<0.4	<0.5
10:2 FTS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	0.2	<0.1	<0.1	<0.1	0.2
PFOSA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	0.12	<0.1	<0.1
Perfluorinated alkyl substances - remainder:																
HPFHpA	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
4H-PFUnDA	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
8:2 FTUCA	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
9Cl-PF3ONS (F53-B)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ADONA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EtFOSA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EtFOSAA	<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	<0.1	<0.1	0.1
MeFBSA	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
MeFOSAA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1
P37DMOA	<1	<1	<1	<1	<1	<1	<0	<1	<0	<1	<1	<1	<2	<3	<4	<5
PFBSA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MeFOSA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
MeFBSAA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	1.1	<0.1	<0.1	4.1
8:2 DiPAP	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.2	<0.3	<0.4	<0.5
sum PFOA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.046	0.4	0.1
sum PFOS	0.3	0.1	0.1	0.1	0.1	1.5	0.1	0.2	0.1	0.2	1.1	0.3	2.1	0.56	1.8	0.3
Total PFAS													8.9	3.7		

Shallow Groundwater

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Concentration exceeds GAC		100						Hole Ref	DS2506	DS2506	DS2506	DS2507	DS2507	DS2507	DS2508	DS2508	DS2508	DS2509	DS2509	DS2509	DS2509	DS2510	DS2510	DS2511	DS2510	DS2512	DS2515	DS2516
Limit of Detection value exceeds GAC		<0.1						Sample Depth (mbgl)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
Concentration exceeds saturation value but not GAC		50						Sample Date	25/03/2025	31/03/2025	08/04/2025	24/03/2025	01/04/2025	07/04/2025	24/03/2025	31/03/2025	07/04/2025	24/03/2025	31/03/2025	07/04/2025	07/04/2025	24/03/2025	01/04/2025	01/04/2025	07/04/2025	01/04/2025	07/04/2025	07/04/2025
Concentration lower than Limit of Detection		< 0.1						Investigation	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Contaminant Name	**GAC**	**GAC Source**	**Units**	**Total > LOD**	**Total > GAC**	**Min**	**Max**																								
Metal/Metalloid																															
Chromium Hexavalent	0.0034	EQS	mg/l	1 of 93	0	<0.001	<0.02		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Lead	0.00833	Arup	mg/l	30 of 93	1	<0.0002	0.00969		<0.0002	<0.0002	<0.0002	<0.0002	0.00032	<0.0002	<0.0002	<0.0002	<0.0002	0.00025	<0.0002	<0.0002	<0.0002	0.00051	0.00969	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury	-	-	mg/l	13 of 93	No GAC	<0.00001	100000		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	1.00E+05	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00002	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Nickel	0.0168	Arup	mg/l	88 of 93	30	<0.0004	0.09		0.00842	0.00842	0.00873	0.00934	0.00695	0.00564	0.0142	0.0136	0.0131	0.00761	0.00889	0.00928	<0.0004	0.0128	0.0335	0.0337	0.0134	<0.0004	0.0089	<0.0004	<0.0004	<0.0004
Antimony		-	mg/l	15 of 66	No GAC	<0.0005	0.0025		<0.001	<0.001	<0.001	<0.001	0.0013	0.00123	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	0.05	EQS	mg/l	81 of 93	0	<0.0002	0.0474		0.00197	0.00193	0.00186	0.013	0.0123	0.0104	0.0077	0.0085	0.00864	0.00112	0.00112	0.00135	<0.0005	0.0231	0.0218	0.0219	0.0222	<0.0005	0.0013	<0.005	<0.005	<0.005
Beryllium		-	mg/l	1 of 66	No GAC	<0.0001	<0.001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
Cadmium	0.00008	EQS	mg/l	29 of 93	20	0.00002	800000		8.00E+05	<0.00008	8.00E+05	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.00012	0.00014	0.00013	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.0001	<0.00008
Chromium	0.0047	EQS	mg/l	26 of 93	0	<0.0001	0.00469		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.001
Copper	0.0296	Arup	mg/l	76 of 93	0	<0.0003	0.0139		0.00205	0.0024	0.00226	0.00102	0.00251	0.00227	<0.0003	<0.0003	<0.0003	0.00227	0.00226	0.00174	<0.0003	<0.0003	0.0003	0.0013	<0.0003	<0.0003	0.0015	<0.0003
Vanadium	0.02	EQS	mg/l	25 of 66	4	<0.0001	0.059		<0.001	<0.001	<0.001	0.00857	0.0259	0.0269	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00148	0.00244	0.00244	0.00149	<0.001	<0.0001	<0.0001
Zinc	0.0379	Arup	mg/l	88 of 93	1	<0.0001	0.048		0.00215	0.00336	0.00227	<0.001	0.00212	0.00213	0.00112	0.00324	0.00607	0.00265	0.00473	0.00224	<0.001	0.00146	0.0016	0.00902	0.00113	0.00117	0.0020	<0.0001
Calcium		-	mg/l	66 of 66	No GAC	0.0237	490		94.5	91.5	91.9	47.1	44.8	45.8	38.8	38.2	38.8	36.2	39.7	45.1	54.5	37.3	45.8	48.6	47.5	57	0.0457	0.0540
Selenium	0.01	UK DWS (2016)	mg/l	23 of 65	1	<0.0001	0.11		<0.001	<0.001	<0.001	0.00211	0.00267	0.00211	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.0001
Manganese	0.408	EQS	mg/l	57 of 65	31	<0.0003	5.2		2.16	2.05	1.86	0.00366	0.00371	<0.003	1.71	1.58	1.64	0.316	0.378	0.524	<0.003	0.197	0.207	0.244	0.253	<0.003	0.5320	<0.0003
Inorganic																															
pH value	No GAC	EQS*	pH Units	113 of 113	No GAC	5.15	11.5		7.24	7.19	5.15	10.7	11.4	11.3	7.7	7.65	7.83	8	7.75	7.78	7.91	8.92	9.5	9.52	9.41	7.9	7.8	7.9
Cyanide - total	0.001	EQS	mg/l	0 of 65	0	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	>0.05
Chloride	250	EQS	mg/l	66 of 66	1	8.2	270		46.7	42.8	43.1	75.9	56.7	55.3	75.8	74.3	74.3	64	68.7	79.6	8.2	71.6	68.3	71.2	65.9	8.2	78.9	8.2
Ammoniacal nitrogen (as N)	0.3	EQS	mg/l	70 of 82	58	<0.015	163		0.64	0.642	0.63	6.37	4.05	3.43	5.01	4.91	4.84	0.29	0.332	0.402	<0.2	7.49	7.82	8.29	7.59	<0.2	0.5	<0.2
Ammonia (Free)	No GAC	-	mg/l	7 of 14	No GAC	<0.05	1.8																							
Dissolved organic carbon (DOC)	No GAC	-	mg/l	80 of 85	No GAC	<3	37.1		8.79	6.73	7.52	20	12.5	10.5	11.4	9.9	9.64	6.12	3.86	3.94	<3	13	14.6	13.7	12.1	<3	4.6	<3
Hardness,Total as CaCO3	No GAC	-	mg/l	83 of 83	No GAC	12.4	1500		279	265	259	119	129	120	107	113	114	98.4	109	130	200	100	125	142	142	199	129.0	200.0
Sulphate as SO4	400	EQS*	mg/l	12 of 12	6	19.2	126000																							
Phenol and mineral oils																														
Phenol	0.0077	EQS	mg/l	5 of 61	4	<0.0005	0.09		<0.002	<0.002	<0.002	0.06	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phenol (Monohydric)	0.0077	EQS	mg/l	8 of 59	8	<0.016	0.16		<0.016	<0.016	<0.016	0.07	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.04	0.04	0.03	0.04	<0.016	<0.016	<0.016	<0.016	<0.016
Xylenols	No GAC	-	mg/l	7 of 60	No GAC	<0.008	0.04		<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	0.02	0.02	0.01	0.02	<0.008	<0.008	<0.008	<0.008	<0.008
Cresols	No GAC	-	mg/l	9 of 60	No GAC	<0.006	0.04		<0.006	<0.006	<0.006	0.01	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.02	0.02	0.02	0.02	<0.006	<0.006	<0.006	<0.006	<0.006
Phenols - total	0.0077	EQS	mg/l	1 of 15	0	0.0027	<0.03																							
Total petroleum hydrocarbons																														
Aliphatics >C5-6	15	WHO	mg/l	0 of 72	0	<0.0001	0.1		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Aliphatics >C6-8	15	WHO	mg/l	0 of 71	0	<0.0001	0.1		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Aliphatics >C8-10	0.3	WHO	mg/l	3 of 72	0	<0.0001	0.1		<0.01	<0.01	<0.01	0.011	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Aliphatics >C10-12	0.3	WHO	mg/l	6 of 72	0	<0.0001	0.1		<0.01	<0.01	<0.01	0.038	0.034	0.015	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Aliphatics >C12-16	0.3	WHO	mg/l	3 of 72	1	<0.0001	0.55		<0.01	<0.01	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Aliphatics >C16-21	No GAC	-	mg/l	3 of 72	No GAC	<0.0001	0.54		<0.01	<0.01	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01				
Aliphatics >C21-35	No GAC	-	mg/l	3 of 72	No GAC	<0.0001	0.567		<0.01	<0.01	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01				
Aliphatics >C35-44	No GAC	-	mg/l	0 of 14	No GAC	<0.0001	<0.0001																							
Aliphatics >C5-C44	No GAC	-	mg/l	2 of 14	No GAC	<0.005	1.3																							
Aromatics >C5-C7	No GAC	-	mg/l	0 of 72	No GAC	<0.0001	0.1		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Aromatics >C7-8	0.7	WHO	mg/l	0 of 72	0	<0.0001	0.1		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Aromatics >C8-10	0.3	WHO	mg/l	1 of 72	0	<0.0001	0.1		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Aromatics >C10-12	0.09	WHO	mg/l	9 of 71	2	<0.0001	0.2		<0.01	<0.01	<0.01	0.025	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Aromatics >C12-16	0.09	WHO	mg/l	12 of 72	6	<0.0001	0.26		<0.01	<0.01	<0.01	0.122	<0.2	0.0397	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.0179	<0.01	<0.02	<0.01	<0.01				
Aromatics >C16-21	0.09	WHO	mg/l	14 of 72	8	<0.0001	0.33		<0.01	<0.01	<0.01	0.0117	<0.2	0.0141	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.22	0.0805	<0.02	0.0916	<0.01				
Aromatics >C21-35	0.09	WHO	mg/l	8 of 72	5	<0.0001	0.34		<0.01	<0.01	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.0466	<0.01	<0.02	<0.01	<0.01				
Aromatics >C35-44	No GAC	-	mg/l	0 of 14	No GAC	<0.0001	<0.0001																							
Aliphatics & Aromatics >C5-35	No GAC	-	mg/l	10 of 47	No GAC	<0.01	1.14		<0.01	<0.01	<0.01	0.227	<0.2	0.0898	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.3	0.0805	<0.01	0.0926	<0.01				
Aliphatics & Aromatics >C5-44	No GAC	-	mg/l	2 of 14	No GAC	<0.005	0.62																							
Polycyclic aromatic hydrocarbons																														
Acenaphthene	No GAC	-	mg/l	34 of 80	No GAC	<0.00001	<0.01		0.00001	0.00016	0.00011	0.00114	0.001	0.0004	0.00011	0.00007	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	0.00024	0.00021	0.00024	<0.002	<0.00001			
Dibenz(ah)anthracene	No GAC	-	mg/l	2 of 80	No GAC	<0.00001	<0.01		<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				
Fluoranthene	6.3E-06	EQS	mg/l	45 of 80	45	<0.00001	<0.01		0.00004	0.00007	0.00006	0.00023	0.00097	0.00021	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	<0.00001	0.0001	0.00011	0.00012	<0.002	<0.00001				
Fluorene	No GAC	-	mg/l	31 of 80	No GAC	<0.00001	<0.01		<0.00001	0.00010	0.00006	0.00138	<0.00001	0.00001	0.00007	0.00002	<0.00001	0.00002	<0.00001	0.00002	<0.00001	0.00062	0.00037	0.00063	<0.002	<0.00001				
Indeno(1,2,3-cd)pyrene	No GAC	-	mg/l	12 of 80	No GAC	<0.00001	<0.01		<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				
Phenanthrene	No GAC	-	mg/l	36 of 80	No GAC	<0.00001	<0.01		<0.00001	0.00017	0.00006	0.00028	<0.00001	<0.00001	0.00006	0.00001	<0.00001	0.00002	<0.00001	0.00002	<0.00001	0.0009	0.00013	0.00071	<0.002	<0.00001				
Pyrene	No GAC	-	mg/l	46 of 80	No GAC	<0.00001	<0.01		0.00005	0.00006	0.00005	0.00026	0.00103	0.00021	0.00009	0.00008	0.00004	0.00006	0.00006	0.00008	<0.00001	0.00011	0.00012	0.00014	<0.002	<0.00001				
Naphthalene	0.002	EQS	mg/l	14 of 80	5	<0.00001	<0.01		<0.0001	0.00013	<0.0001	0.00029	<0.0001	<0.0001	0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0021	<0.0001	0.00147	<0.002	<0.0001				
PAH, Total Detected USEPA 16	No GAC	-	mg/l	43 of 80	No GAC	<0.00001	0.0171		0.00012	0.00071	0.00035	0.00374	0.00351	0.00085	0.00049	0.00021	<0.00008	0.00011	<0.00008	0.00013	<0.00008	0.00412	0.00096	0.00338	0.00079	<0.00008				
Acenaphthylene	No GAC	-	mg/l	13 of 80	No GAC	<0.00001	<0.01		<0.00001	<0.00001	<0.00001	0.00011	0.00003	0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00002	0.00001	0.00002	<0.002	<0.00001				
Anthracene	0.0001	EQS	mg/l	21 of 80	3	<0.00001	<0.01		<0.00001	0.00004	0.00001	0.00002	<0.00001	<0.00001	0.00002	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.00001	0.00002	<0.00001	<0.00001				
Benzo(a)anthracene	No GAC	-	mg/l	12 of 80	No GAC	<0.00001	<0.01		<0.00001	<0.00001	<0.00001	0.00001	0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				
Benzo(g,h,i) perylene	No GAC	-	mg/l	9 of 80	No GAC	<0.00001	<0.01		<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				
Benzo(a)pyrene	1.7E-07	EQS	mg/l	18 of 80	16	0.00001	0.00001		0.00001	0.00004	0.00001	0.00028	0.00006	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001				
Benzo(b)fluoranthene	No GAC	-	mg/l	17 of 80	No GAC	<0.00001	<0.01		0.00001	<0.00001	<0.00001	0.00001	0.00006	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	<0.00001	<0.00001				
Benzo(k)fluoranthene	No GAC	-	mg/l	12 of 80	No GAC	<0.00001	<0.01		<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				
Chrysene	No GAC	-	mg/l	17 of 80	No GAC	<0.00001	<0.01		<0.00001	<0.00001	<0.00001	0.00001	0.00016	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	0.00001	0.00001	<0.00001	<0.00001				
BTEX																														
Benzene	0.01	EQS	mg/l	3 of 89	0	<0.001	0.00155		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Toluene	0.074	EQS	mg/l	4 of 89	0	<0.001	0.00291		<0.001	<0.001	<0.001	0.00223	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Ethylbenzene	0.02	EQS*	mg/l	0 of 89	0	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Xylene	0.03	EQS*	mg/l	2 of 75	0	<0.002	0.00247		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002				
o-Xylene	0.03	EQS*	mg/l	2 of 89	0	<0.001	0.00112		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
m,p xylenes	0.03	EQS*	mg/l	3 of 89	0	<0.001	0.00139		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Total BTEX	No GAC	-	mg/l	3 of 75	No GAC	<0.005	0.00668		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005				
VOC/SVOC																														
Methyl tertiary butyl ether (MTBE)	No GAC	-	mg/l	0 of 61	No GAC	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Styrene	0.05	EQS*	mg/l	0 of 4	0	<0.001	<0.001																							
cis-1,3-Dichloropropene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.01																							
trans-1,3-Dichloropropene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.01																							
Propylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
n-Butylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
4-Chlorotoluene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
1,4-Dichlorobenzene	0.02	EQS*	mg/l	0 of 4	0	<0.001	<0.01																							
1,2-Dibromoethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.005																							
1,2-Dichloroethane	0.01	EQS	mg/l	0 of 4	0	<0.001	<0.002																							
1,3,5-Trimethylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
Bromobenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
Chlorobenzene	No GAC	-	mg/l	1 of 4	No GAC	<0.001	0.0023																							
1,2,4-Trichlorobenzene	0.0004	EQS	mg/l	0 of 4	0	<0.001	<0.01																							
Dibromochloromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.01																							
Tetrachloroethene	0.01	EQS	mg/l	0 of 4	0	<0.001	<0.001																							
sec-Butylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
1,3-Dichloropropane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.002																							
cis-1,2-Dichloroethene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
trans-1,2-Dichloroethene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
1,3-Dichlorobenzene	0.02	EQS*	mg/l	0 of 4	0	<0.001	<0.01																							
Carbon tetrachloride	0.012	EQS	mg/l	0 of 4	0	<0.001	<0.001																							
1,1-Dichloropropene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
1,1,1,2-Tetrachloroethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.002																							
Chloroform	0.0025	EQS	mg/l	0 of 4	0	<0.001	<0.001																							
1,1,1-Trichloroethane	0.1	EQS*	mg/l	0 of 4	0	<0.001	<0.001																							
Bromomethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.005																							
Chloromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
Dibromomethane	0.02	EQS	mg/l	0 of 4	0	<0.001	<0.01																							
Bromochloromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.005																							
Chloroethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.002																							
Vinyl chloride	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
Bromoform	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
Bromodichloromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.005																							
1,1-Dichloroethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
1,1-Dichloroethene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
Trichlorofluoromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
Dichlorodifluoromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																							
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Concentration exceeds GAC		100						Hole Ref	DS2506	DS2506	DS2506	DS2507	DS2507	DS2507	DS2508	DS2508	DS2508	DS2509	DS2509	DS2509	DS2509	DS2510	DS2510	DS2511	DS2510	DS2512	DS2515	DS2516
Limit of Detection value exceeds GAC		<0.1						Sample Depth (mbgl)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0000	0.0000
Concentration exceeds saturation value but not GAC		50						Sample Date	25/03/2025	31/03/2025	08/04/2025	24/03/2025	01/04/2025	07/04/2025	24/03/2025	31/03/2025	07/04/2025	24/03/2025	31/03/2025	07/04/2025	07/04/2025	24/03/2025	01/04/2025	01/04/2025	07/04/2025	01/04/2025	07/04/2025	07/04/2025
4-Bromophenylphenylether	No GAC		mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
2,4-Dimethylphenol	0.1	EQS*	mg/l	18 of 21	0	<0.0005	<0.01																		0.00503			
4-Methylphenol	0.1	EQS*	mg/l	0 of 21	0	<0.0005	<0.01																		<0.002			
bis(2-Chloroethyl)ether	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
bis(2-Chloroethoxy)methane	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
bis(2-Ethylhexyl) phthalate	0.0013	EQS	mg/l	0 of 21	0	<0.0005	<0.02																		<0.004			
n-Dioctyl phthalate	0.02	EQS*	mg/l	0 of 21	0	<0.0005	<0.05																		<0.01			
Hexachlorobenzene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
2,4-Dichlorophenol	0.0042	EQS	mg/l	0 of 21	0	<0.0005	<0.01																		<0.002			
2,4-Dinitrotoluene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
Dimethyl phthalate	0.8	EQS*	mg/l	0 of 21	0	<0.0005	<0.01																		<0.002			
Dibenzofuran	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
4-Chloro-3-methylphenol	0.04	EQS*	mg/l	0 of 21	0	<0.0005	<0.01																		<0.002			
2,6-Dinitrotoluene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
n-Nitroso-n-dipropylamine	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
Hexachloroethane	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
Isophorone	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
Diethyl phthalate	0.2	EQS*	mg/l	0 of 21	0	<0.0005	<0.01																		<0.002			
n-Dibutyl phthalate	0.008	EQS*	mg/l	0 of 21	0	<0.0005	<0.01																		<0.002			
Butylbenzyl phthalate	0.0075	EQS	mg/l	0 of 21	0	<0.0005	<0.01																		<0.002			
Carbazole	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
2,4,6-Trichlorophenol	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
2-Nitrophenol	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
2-Methylnaphthalene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
2-Chloronaphthalene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
2-Methylphenol	0.1	EQS*	mg/l	0 of 21	0	<0.0005	<0.01																		<0.002			
2-Chlorophenol	0.05	EQS*	mg/l	0 of 21	0	<0.0005	<0.01																		<0.002			
2,4,5-Trichlorophenol	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
Nitrobenzene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01																		<0.002			
Hexachlorocyclopentadiene	No GAC	-	mg/l	0 of 20	No GAC	<0.002	<0.01																		<0.002			
Pentachlorophenol	0.0004	EQS	mg/l	0 of 20	0	<0.002	<0.01																		<0.002			
4-Nitroaniline			mg/l	0 of 4	No GAC	<0.0005	<0.01																		<0.002			
Azobenzene			mg/l	0 of 4	No GAC	<0.0005	<0.01																		<0.002			
4-Chloroaniline			mg/l	0 of 4	No GAC	<0.0005	<0.01																		<0.002			
Bis(2-Chloroisopropyl)Ether			mg/l	0 of 1	No GAC	<0.0005	<0.0005																					
2-Methyl-4,6-Dinitrophenol			mg/l	0 of 1	No GAC	<0.0005	<0.0005																					
N-Nitrosodimethylamine			mg/l	0 of 1	No GAC	<0.0005	<0.0005																					
4-Chlorophenylphenylether			mg/l	0 of 4	No GAC	<0.0005	<0.01																		<0.002			
2-Nitroaniline			mg/l	0 of 4	No GAC	<0.0005	<0.01																		<0.002			
3-Nitroaniline			mg/l	0 of 4	No GAC	<0.0005	<0.01																		<0.002			
PFAS																												
Total PFAS DWI 47	100	EQS	mg/l	24 of 51	22	<90	2140	656	579	699	<450	<90	<90	316	<90	<450	<90	<90	125	<90	348	<90	<90	<450	<90	118.00	<90
Sum detected PFAS	100	EQS	mg/l	67 of 71	57		3078.23	684.8	606.19	725.53	373.9	322.4	174.1	331.16	619.8	327.22	92.08	88.46	163.88	<10	377.41	491.57	591.42	160.81	<10	156.69	<10
PFBA	22	EQS	mg/l	52 of 71	29	<2	283	53	60.9	64.1	85.1	12.2	<10	<10	31.4	53.7	21.1	12.1	11.7	24.7	<10	27.1	33	30.6	<10	<11	21.30	<2
PFMOPrA			mg/l	0 of 70	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
3:3 FTCA			mg/l	3 of 70	No GAC	<2	239	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	181	170	239	<2	<2	<2	<2
PFPA			mg/l	55 of 70	No GAC	<1	313	63.1	60.1	69.2	34.7	<10	<10	80.7	135	61.9	8.26	7.57	12.8	<10	20.2	43.2	46.5	15.8	<10	9.71	<1
PFMOBA			mg/l	0 of 70	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4:2 FTS			mg/l	0 of 71	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
NFDHA			mg/l	0 of 70	No GAC	<3	<150	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
PFBS	1300	EQS	mg/l	60 of 71	0	<1	123	26.2	24.8	26.9	18.9	<10	<11	11.8	17.3	8.46	2.29	2.41	5.01	<1	39.8	61.2	63.9	28	<1	6.41	<1
PFHxA	130	EQS	mg/l	65 of 71	10	<1	440	68.7	65.5	76.7	51.1	12.7	19.4	39.2	81.8	42.8	3.59	4.82	5.03	<1	9.48	19.2	21.6	13.9	<1	5.34	<1
HFPO-DA			mg/l	0 of 70	No GAC	<2	<100	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
PFEESA			mg/l	0 of 70	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PFHpA	1.3	EQS	mg/l	64 of 71	64	<1	481	80	72.8	85.4	47.1	14.5	18	31.8	51.4	30.9	3.09	2.98	5.16	<1	8.75	14.4	17.1	12.2	<1	4.62	<1
PFHxS	2.2	EQS	mg/l	28 of 71	24	<1	121	27.3	27.3	18.7	14.7	<10	10.2	5.26	8.65	6.56	<10	<10	1.36	<10	1.09	1.81	2.42	<11	1.58	<1
5:3 FTCA			mg/l	0 of 70	No GAC	<5	<250	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
ADONA			mg/l	0 of 71	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
6:2 FTS			mg/l	21 of 71	No GAC	<1	61.9	<1	<1	<1	<1	<1	<1	5.66	13.5	7.11	2.29	<1	4.14	<1	<1	4.42	4.5	<1	<1	3.83	<1
FBSA			mg/l	31 of 70	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	1.68	3.26	<1	1.18	<1	3.34	<1	5.3	8.07	10.8	7.41	<1	2.73	<1
Linear PFOA			mg/l	0 of 1	No GAC	<20	<20																					
Branched PFOA			mg/l	0 of 1	No GAC	<20	<20																					
Total PFOA	1.3	EQS	mg/l	64 of 71	64	<0.65	977	217	175	225	91.5	206	30.6	20.2	94.8	56.6	6.87	9.41	15.2	<10	12	23.1	25.6	20.1	<10	14.70	<0.65
PFHxS	2.17	EQS	mg/l	57 of 71	52	<1	298	82.4	62.5	78.9	43.1	11	14.7	20.5	30.5	20.2	7.08	5.99	8.06	<10	11.9	11.3	19.6	8.6	<10	7.16	<1
PFNA	0.13	EQS	mg/l	41 of 71	41	<1	<50	<1	1.79	2.67	<10	<10	<10	2.36	4.69	<10	1.11	1.5	1.98	<10	1.59	2.77	<10	<10	<10	<10	<10
PFecHS			mg/l	25 of 70	No GAC	<1	<50	<10	2.79	2.88	<10	<10	<10	<10	2.84	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFHpS	0.65	EQS	mg/l	4 of 71	4	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
8:2 FTS			mg/l	2 of 71	No GAC	<2	<100	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
HFPO-TA			mg/l	0 of 70	No GAC	<5	<250	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
PFDA	0.13	EQS	mg/l	17 of 71	17	<2	<100	<10	<10	<10	<10	<10	<10	<10	2.58	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	2.31	<2
MeFOSAA			mg/l	7 of 71	No GAC	<2	<100	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
7:3 FTCA			mg/l	0 of 70	No GAC	<5	<250	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Linear PFOS			mg/l	64 of 71	No GAC	<0.65	71.2	12.5	11.3	13	15.5	23	21.8	20.1	35.9	24.2	13.7	11.6	22	<30	13.3	22.9	24.7	12.1	<30	21.70	<0.65
Branched PFOS			mg/l	64 of 71	No GAC	<0.65	70.7	17.1	15.3	13.3	14.8	16.1	18.8	13.8	23.3	11.6	7.83	9.48	16.6	<30	16.3	27.7	30.2	15.3	<30	16.80	<0.65
Total PFOS	0.65	EQS	mg/l	64 of 71	64	<0.65	117	29.6	28.6	26.3	30.3	39.1	40.6	33.9	59.2	35.8	21.6	21	38.5	<30	29.6	50.5	54.9	27.4	<30	38.50	<0.65
EtFOSAA			mg/l	0 of 71	No GAC	<2	<100	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
PFUnA	0.33	EQS	mg/l	0 of 71	0	<2	<100	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
9Cl-PF3ONS			mg/l	0 of 71	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PFNS			mg/l	0 of 70	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
FHxSA			mg/l	3 of 70	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	1.38	<1	<1	1.09	<1	<1	<1	<1	<1	<1	<1	<1	<1
PFDoA			mg/l	0 of 71	No GAC	<2	<100	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
PFDS	0.65	EQS	mg/l	0 of 71	0	<2	<110	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
PFTrDA	0.43	EQS	mg/l	0 of 71	0	<2	<150	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
11Cl-PF3OUdS			mg/l	0 of 70	No GAC	<2	<100	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
PFUnDS			mg/l	0 of 70	No GAC	<2	<100	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
PFTeA			mg/l	0 of 71	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PFOSA			mg/l	0 of 71	No GAC	<2	<100	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
PFDoS			mg/l	0 of 70	No GAC	<2	<100	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
PFTrDS			mg/l	0 of 70	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PFHxDA	65	EQS	mg/l	0 of 71	0	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MeFOSE			mg/l	0 of 70	No GAC	<10	<500	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MeFOSA (N-MeFOSA)			mg/l	0 of 71	No GAC	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EtFOSE			mg/l	0 of 70	No GAC	<10	<500	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFODA	65	EQS	mg/l	0 of 71	0	<1	<50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
EtFOSA (N-EtFOSA)			mg/l	0 of 71	No GAC	<1	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
6:2 FTAB			mg/l	12 of 70	No GAC	<10	<500	<50	<50	<50	<50	<50	<50	12.8	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
PFPeA			mg/l	0 of 1	No GAC	<20	<20																					
10:2 FTS			mg/l	0 of 1	No GAC	<50	<50																					
HPFHpA			mg/l	0 of 1	No GAC	<500	<500																					
4H-PFUnDA			mg/l	0 of 1	No GAC	<50	<50																					
8:2 FTUCA			mg/l	0 of 1	No GAC	<50	<50																					
MeFBSA			mg/l	0 of 1	No GAC	<20	<20																					
P37DMOA			mg/l	0 of 1	No GAC	<500	<500																					
PFBSA			mg/l	0 of 1	No GAC	<20	<20																					
MeFBSAA			mg/l	0 of 1	No GAC	<20	<20																					
8:2 DiPAP			mg/l	0 of 1	No GAC	<100	<100																					

Concentration exceeds GAC	100
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50
Concentration lower than Limit of Detection	< 0.1

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max
Metal/Metalloid							
Chromium Hexavalent	0.0034	EQS	mg/l	1 of 88	0	<0.003	<0.02
Lead	0.00833	Arup	mg/l	29 of 88	1	<0.0002	0.00969
Mercury		-	mg/l	13 of 88	No GAC	<0.00001	100000
Nickel	0.0168	Arup	mg/l	85 of 88	30	<0.0004	0.09
Antimony		-	mg/l	15 of 61	No GAC	<0.0005	0.0025
Arsenic	0.05	EQS	mg/l	78 of 88	0	<0.0002	0.0474
Beryllium		-	mg/l	0 of 61	No GAC	<0.0001	<0.001
Cadmium	0.00008	EQS	mg/l	28 of 88	19	0.00002	800000
Chromium	0.0047	EQS	mg/l	26 of 88	0	0.0002	0.00469
Copper	0.0296	Arup	mg/l	74 of 88	0	<0.0003	0.0139
Vanadium	0.02	EQS	mg/l	24 of 61	4	<0.0005	0.059
Zinc	0.0379	Arup	mg/l	84 of 88	1	0.0008	0.048
Calcium		-	mg/l	61 of 61	No GAC	4.7	490
Selenium	0.01	UK DWS (2016)	mg/l	23 of 61	1	0.00057	0.11
Manganese	0.408	EQS	mg/l	55 of 61	30	<0.003	5.2
Inorganic							
pH value	No GAC	EQS*	pH Units	108 of 108	No GAC	5.15	11.5
Cyanide - total	0.001	EQS	mg/l	0 of 61	0	<0.05	<0.05
Chloride	250	EQS	mg/l	62 of 62	1	8.2	270
Ammoniacal nitrogen (as N)	0.3	EQS	mg/l	68 of 78	56	<0.015	163
Ammonia (Free)	No GAC	-	mg/l	7 of 14	No GAC	<0.05	1.8
Dissolved organic carbon (DOC)	No GAC	-	mg/l	78 of 81	No GAC	<3	37.1
Hardness,Total as CaC03	No GAC	-	mg/l	81 of 81	No GAC	12.4	1500
Sulphate as SO4	400	EQS*	mg/l	11 of 11	6	19.2	126000
Phenol and mineral oils							
Phenol	0.0077	EQS	mg/l	5 of 57	4	<0.0005	0.09
Phenol (Monohydric)	0.0077	EQS	mg/l	8 of 55	8	<0.016	0.16
Xylenols	No GAC	-	mg/l	7 of 56	No GAC	<0.008	0.04
Cresols	No GAC	-	mg/l	9 of 56	No GAC	<0.006	0.04
Phenols - total	0.0077	EQS	mg/l	1 of 15	0	0.0027	<0.03
Total petroleum hydrocarbons							
Aliphatics >C5-6	15	WHO	mg/l	0 of 71	0	<0.0001	<0.01
Aliphatics >C6-8	15	WHO	mg/l	0 of 70	0	<0.0001	<0.01
Aliphatics >C8-10	0.3	WHO	mg/l	3 of 71	0	<0.0001	0.014
Aliphatics >C10-12	0.3	WHO	mg/l	6 of 71	0	<0.0001	0.1
Aliphatics >C12-16	0.3	WHO	mg/l	3 of 71	1	<0.0001	0.55
Aliphatics >C16-21	No GAC	-	mg/l	3 of 71	No GAC	<0.0001	0.54
Aliphatics >C21-35	No GAC	-	mg/l	3 of 71	No GAC	<0.0001	0.567
Aliphatics >C35-44	No GAC	-	mg/l	0 of 14	No GAC	<0.0001	<0.0001
Aliphatics >C5-C44	No GAC	-	mg/l	2 of 14	No GAC	<0.005	1.3
Aromatics >C5-C7	No GAC	-	mg/l	0 of 71	No GAC	<0.0001	<0.01
Aromatics >C7-8	0.7	WHO	mg/l	0 of 71	0	<0.0001	<0.01
Aromatics >C8-10	0.3	WHO	mg/l	1 of 71	0	<0.0001	0.012
Aromatics >C10-12	0.09	WHO	mg/l	9 of 70	2	<0.0001	0.2
Aromatics >C12-16	0.09	WHO	mg/l	12 of 71	6	<0.0001	0.26
Aromatics >C16-21	0.09	WHO	mg/l	14 of 71	8	<0.0001	0.33
Aromatics >C21-35	0.09	WHO	mg/l	8 of 71	5	<0.0001	0.34
Aromatics >C35-44	No GAC	-	mg/l	0 of 14	No GAC	<0.0001	<0.0001
Aliphatics & Aromatics >C5-35	No GAC	-	mg/l	10 of 47	No GAC	<0.01	1.14
Aliphatics & Aromatics >C5-44	No GAC	-	mg/l	2 of 14	No GAC	<0.005	0.62
Polycyclic aromatic hydrocarbons							
Acenaphthene	No GAC	-	mg/l	34 of 79	No GAC	<0.00001	<0.01
Dibenz(ah)anthracene	No GAC	-	mg/l	2 of 79	No GAC	<0.00001	<0.01
Fluoranthene	6.3E-06	EQS	mg/l	45 of 79	45	<0.00001	<0.01
Fluorene	No GAC	-	mg/l	31 of 79	No GAC	<0.00001	<0.01
Indeno(1,2,3-cd)pyrene	No GAC	-	mg/l	12 of 79	No GAC	<0.00001	<0.01
Phenanthrene	No GAC	-	mg/l	36 of 79	No GAC	<0.00001	<0.01
Pyrene	No GAC	-	mg/l	46 of 79	No GAC	<0.00001	<0.01
Naphthalene	0.002	EQS	mg/l	14 of 79	5	<0.00001	<0.01
PAH, Total Detected USEPA 16	No GAC	-	mg/l	43 of 79	No GAC	<0.00001	0.0171
Acenaphthylene	No GAC	-	mg/l	13 of 79	No GAC	<0.00001	<0.01
Anthracene	0.0001	EQS	mg/l	21 of 79	3	<0.00001	<0.01
Benzo(a)anthracene	No GAC	-	mg/l	12 of 79	No GAC	<0.00001	<0.01
Benzo(g,h,i) perylene	No GAC	-	mg/l	9 of 79	No GAC	<0.00001	<0.01
Benzo(a)pyrene	1.7E-07	EQS	mg/l	18 of 79	16		<0.01
Benzo(b)fluoranthene	No GAC	-	mg/l	17 of 79	No GAC	<0.00001	<0.01
Benzo(k)fluoranthene	No GAC	-	mg/l	12 of 79	No GAC	<0.00001	<0.01
Chrysene	No GAC	-	mg/l	17 of 79	No GAC	<0.00001	<0.01
BTEX							
Benzene	0.01	EQS	mg/l	3 of 88	0	<0.001	0.00155
Toluene	0.074	EQS	mg/l	4 of 88	0	<0.001	0.00291
Ethylbenzene	0.02	EQS*	mg/l	0 of 88	0	<0.001	<0.001
Xylene	0.03	EQS*	mg/l	2 of 74	0	<0.002	0.00247
o-Xylene	0.03	EQS*	mg/l	2 of 88	0	<0.001	0.00112
m,p xylenes	0.03	EQS*	mg/l	3 of 88	0	<0.001	0.00139
Total BTEX	No GAC	-	mg/l	3 of 74	No GAC	<0.005	0.00668

Hole Ref	DS105	DS117	DS120	DS201	DS202	CP202	CP301	DS303	DS304	DS305	DS101	DS104	DS105	DS107	DS108	DS110	DS111	DS112	DS115
Sample Depth (mbgl)	2.3	2.6	2.4	2.3	3	26	3.5	2.8	2.5	3.5	1.15	1.14	1.34	0.55	1.13	1.44	1.48	1	0.95
Sample Date	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023	23/11/2023	23/11/2023	23/11/2023	23/11/2023									
Investigation	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024
Metal/Metalloid																			
Chromium Hexavalent	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Lead	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	0.0016	0.0009	0.0004	<0.0002	<0.0002	0.0008	<0.0002	0.001
Mercury	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00008	<0.00001	0.00009	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Nickel	0.023	0.019	0.02	0.022	0.017	<0.0004	0.0071	0.011	0.0033	0.011	0.012	0.012	0.026	0.015	0.0063	0.0068	0.043	0.011	0.0062
Antimony																			
Arsenic	0.00758	0.0012	0.00518	0.0203	0.0169	<0.0005	0.00024	0.00204	0.0163	<0.0005	0.019	0.0161	0.0124	0.00405	0.00298	0.00317	0.00066	0.00122	0.00106
Beryllium																			
Cadmium	<0.00008	0.00004	0.00002	0.00004	<0.00008	<0.00008	0.0001	<0.00008	<0.00008	<0.00008	0.00007	0.00009	0.00009	<0.00008	0.00004	0.00005	0.00035	<0.00008	0.00011
Chromium	<0.001	<0.001	<0.001	0.0002	<0.001	<0.001	<0.001	<0.001	0.0006	<0.001	<0.001	<0.001	<0.001	0.0012	0.0011	0.0011	0.0012	<0.001	<0.001
Copper	0.0012	0.0015	0.0098	0.001	0.0038	<0.0003	0.0023	0.0011	0.0022	<0.0003	0.0042	0.0088	0.0042	0.0043	0.0017	0.002	0.012	0.0029	0.0028
Vanadium																			
Zinc	0.0023	0.015	0.0017	0.0008	0.001	<0.001	0.0051	0.0022	0.0019	0.0011	0.0027	0.0031	0.0088	0.0058	0.0037	0.011	0.0071	0.0026	0.0092
Calcium																			
Selenium																			
Manganese																			
Inorganic																			
pH value	11.5	7.4	11.5	10.9	10.6	8.4	7.7	7.1	9.1	7.1	10.4	10.6	9.3	7.4	7.5	7.1	7.4	7.4	7.6
Cyanide - total																			
Chloride						71													
Ammoniacal nitrogen (as N)											2.7	6.3	8.5	0.27	0.16	0.64	0.028	0.057	<0.015
Ammonia (Free)																			
Dissolved organic carbon (DOC)																			
Hardness,Total as CaC03																			
Sulphate as SO4	126000	4420	93600	112000	119000	122000	19.2	45.3	81.8	30.3									
Phenol and mineral oils																			
Phenol											<0.002		<0.002				<0.002	<0.002	<0.002
Phenol (Monohydric)											<0.016		<0.016				<0.016	<0.016	<0.016
Xylenols											<0.008		<0.008				<0.008	<0.008	<0.008
Cresols											<0.006		<0.006				<0.006	<0.006	<0.006
Phenols - total																			
Total petroleum hydrocarbons																			
Aliphatics >C5-6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									
Aliphatics >C6-8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									
Aliphatics >C8-10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									
Aliphatics >C10-12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									
Aliphatics >C12-16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									
Aliphatics >C16-21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									
Aliphatics >C21-35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									
Aliphatics >C35-44																			
Aliphatics >C5-C44																			
Aromatics >C5-C7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									
Aromatics >C7-8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									
Aromatics >C8-10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01									
Aromatics >C10-12	0.072	<0.01	0.066	0.2	0.12	<0.01	<0.01	<0.01	<0.01	<0.01									
Aromatics >C12-16	0.16	<0.01	0.12	0.24	0.12	<0.01	<0.01	<0.01	0.086	<0.01									
Aromatics >C16-21	0.22	<0.01	0.18	0.33	0.16	<0.01	<0.01	<0.01	0.16	<0.01									
Aromatics >C21-35	0.21	<0.01	0.21	0.34	0.17	<0.01	<0.01	<0.01	0.32	<0.01									
Aromatics >C35-44																			
Aliphatics & Aromatics >C5-35																			
Aliphatics & Aromatics >C5-44																			
Polycyclic aromatic hydrocarbons																			
Acenaphthene	0.00215	<0.00001	0.0012	0.00213	0.00274	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Dibenz(ah)anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Fluoranthene	0.00036	<0.00001	0.00024	0.00063	0.00064	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Fluorene	0.00128	<0.00001	0.0005	0.0015	0.00154	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Indeno(1,2,3-cd)pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Phenanthrene	0.00134	<0.00001	0.00076	0.00228	0.00235	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Pyrene	0.00027	<0.00001	0.00019	0.00046	0.00047	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Naphthalene	0.00626	<0.00001	0.00163	0.00597	0.00863	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
PAH, Total Detected USEPA 16	0.0123	<0.00001	0.00452	0.0134	0.0171	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Acenaphthylene	0.00011	<0.00001	<0.00001	<0.00001	0.00014	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Anthracene	0.00049	<0.00001	<0.00001	0.00046	0.0006	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Benzo(a)anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Benzo(g,h,i) perylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Benzo(a)pyrene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Benzo(b)fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Benzo(k)fluoranthene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
Chrysene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001	<0.00001			
BTEX																			
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
o-Xylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
m,p xylenes	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total BTEX	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Concentration exceeds GAC		100						**Hole Ref**	DS105	DS117	DS120	DS201	DS202	CP202	CP301	DS303	DS304	DS305	DS101	DS104	DS105	DS107	DS108	DS110	DS111	DS112	DS115
Limit of Detection value exceeds GAC		<0.1						**Sample Depth (mbgl)**	2.3	2.6	2.4	2.3	3	26	3.5	2.8	2.5	3.5	1.15	1.14	1.34	0.55	1.13	1.44	1.48	1	0.95
Concentration exceeds saturation value but not GAC		50						**Sample Date**	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023	11/05/2023	23/11/2023	23/11/2023	23/11/2023	23/11/2023									
VOC/SVOC																							
Methyl tertiary butyl ether (MTBE)	No GAC	-	mg/l	0 of 61	No GAC	<0.001	<0.001																
Styrene	0.05	EQS*	mg/l	0 of 4	0	<0.001	<0.001																
cis-1,3-Dichloropropene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.01																
trans-1,3-Dichloropropene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.01																
Propylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
n-Butylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
4-Chlorotoluene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
1,4-Dichlorobenzene	0.02	EQS*	mg/l	0 of 4	0	<0.001	<0.01																
1,2-Dibromoethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.005																
1,2-Dichloroethane	0.01	EQS	mg/l	0 of 4	0	<0.001	<0.002																
1,3,5-Trimethylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
Bromobenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
Chlorobenzene	No GAC	-	mg/l	1 of 4	No GAC	<0.001	**0.0023**																
1,2,4-Trichlorobenzene	0.0004	EQS	mg/l	0 of 4	0	<0.001	<0.01																
Dibromochloromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.01																
Tetrachloroethene	0.01	EQS	mg/l	0 of 4	0	<0.001	<0.001																
sec-Butylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
1,3-Dichloropropane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.002																
cis-1,2-Dichloroethene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
trans-1,2-Dichloroethene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
1,3-Dichlorobenzene	0.02	EQS*	mg/l	0 of 4	0	<0.001	<0.01																
Carbon tetrachloride	0.012	EQS	mg/l	0 of 4	0	<0.001	<0.001																
1,1-Dichloropropene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
1,1,1,2-Tetrachloroethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.002																
Chloroform	0.0025	EQS	mg/l	0 of 4	0	<0.001	<0.001																
1,1,1-Trichloroethane	0.1	EQS*	mg/l	0 of 4	0	<0.001	<0.001																
Bromomethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.005																
Chloromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
Dibromomethane	0.02	EQS	mg/l	0 of 4	0	<0.001	<0.01																
Bromochloromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.005																
Chloroethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.002																
Vinyl chloride	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
Bromoform	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
Bromodichloromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.005																
1,1-Dichloroethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
1,1-Dichloroethene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
Trichlorofluoromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
Dichlorodifluoromethane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
1,2-Dichloropropane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
1,1,2-Trichloroethane	0.4	EQS*	mg/l	0 of 4	0	<0.001	<0.01																
Trichloroethene	0.01	EQS	mg/l	0 of 4	0	<0.001	<0.001																
1,2,3-Trichlorobenzene	0.0004	EQS	mg/l	0 of 4	0	<0.001	<0.002																
Hexachlorobutadiene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.01																
2-Chlorotoluene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
1,2-Dichlorobenzene	0.02	EQS*	mg/l	0 of 4	0	<0.001	<0.01																
1,2,4-Trimethylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
1,2-Dibromo-3-chloropropane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.05																
1,2,3-Trichloropropane	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.05																
tert-Butylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
Isopropylbenzene	No GAC	-	mg/l	0 of 4	No GAC	<0.001	<0.001																
4-iso-Propyltoluene	No GAC	-	mg/l	1 of 4	No GAC	<0.001	**0.00288**																
1,3,5-Trichlorobenzene	0.0004	EQS	mg/l	0 of 3	0	<0.001	<0.001																
2,2-Dichloropropane	No GAC	-	mg/l	0 of 3	No GAC	<0.001	<0.001																
Dichloromethane	0.02	EQS	mg/l	0 of 3	0	<0.003	<0.003																
Carbon disulphide	No GAC	-	mg/l	0 of 3	No GAC	<0.001	<0.001																
1,1,2,2-Tetrachloroethane	0.14	EQS	mg/l	0 of 3	0	<0.001	<0.001																
SVOC/SVOC																							
4-Nitrophenol	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4-Bromophenylphenylether	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,4-Dimethylphenol	0.1	EQS*	mg/l	18 of 21	0	<0.0005	<0.01												**0.00503**	**0.00503**	**0.00503**	**0.00503**	**0.00503**	**0.00503**	**0.00503**	**0.00503**	**0.00503**
4-Methylphenol	0.1	EQS*	mg/l	0 of 21	0	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
bis(2-Chloroethyl)ether	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
bis(2-Chloroethoxy)methane	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
bis(2-Ethylhexyl) phthalate	0.0013	EQS	mg/l	0 of 21	0	<0.0005	<0.02												**<0.004**	**<0.004**	**<0.004**	**<0.004**	**<0.004**	**<0.004**	**<0.004**	**<0.004**	**<0.004**
n-Dioctyl phthalate	0.02	EQS*	mg/l	0 of 21	0	<0.0005	<0.05												<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,4-Dichlorophenol	0.0042	EQS	mg/l	0 of 21	0	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,4-Dinitrotoluene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dimethyl phthalate	0.8	EQS*	mg/l	0 of 21	0	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dibenzofuran	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4-Chloro-3-methylphenol	0.04	EQS*	mg/l	0 of 21	0	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,6-Dinitrotoluene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
n-Nitroso-n-dipropylamine	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachloroethane	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Isophorone	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Diethyl phthalate	0.2	EQS*	mg/l	0 of 21	0	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
n-Dibutyl phthalate	0.008	EQS*	mg/l	0 of 21	0	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Butylbenzyl phthalate	0.0075	EQS	mg/l	0 of 21	0	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Carbazole	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,4,6-Trichlorophenol	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Nitrophenol	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Methylnaphthalene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Chloronaphthalene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Methylphenol	0.1	EQS*	mg/l	0 of 21	0	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2-Chlorophenol	0.05	EQS*	mg/l	0 of 21	0	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2,4,5-Trichlorophenol	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Nitrobenzene	No GAC	-	mg/l	0 of 21	No GAC	<0.0005	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorocyclopentadiene	No GAC	-	mg/l	0 of 20	No GAC	<0.002	<0.01												<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Pentachlorophenol	0.0004	EQS	mg/l	0 of 20	0	<0.002	<0.01												**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**
4-Nitroaniline			mg/l	0 of 4	No GAC	<0.0005	<0.01																				
Azobenzene			mg/l	0 of 4	No GAC	<0.0005	<0.01																				
4-Chloroaniline			mg/l	0 of 4	No GAC	<0.0005	<0.01																				
Bis(2-Chloroisopropyl)Ether			mg/l	0 of 1	No GAC	<0.0005	<0.0005																				
2-Methyl-4,6-Dinitrophenol			mg/l	0 of 1	No GAC	<0.0005	<0.0005																				
N-Nitrosodimethylamine			mg/l	0 of 1	No GAC	<0.0005	<0.0005																				
4-Chlorophenylphenylether			mg/l	0 of 4	No GAC	<0.0005	<0.01																				
2-Nitroaniline			mg/l	0 of 4	No GAC	<0.0005	<0.01																				
3-Nitroaniline			mg/l	0 of 4	No GAC	<0.0005	<0.01																				

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Concentration exceeds GAC	DS116	DS117	DS119	DS120	DS121	DS122	DS123	DS125	BH2404A	BH2405	BH2405	BH2406	BH2406	BH2409	BH2409	BH2409	BH2410	BH2410	BH2410	BH2410	BH2502	BH2502	BH2503
Limit of Detection value exceeds GAC	0.946	1.5	0.864	3.195	1.159	1.11	0.79	0.454	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC									09/09/2024	27/08/2024	26/03/2025	27/08/2024	26/03/2025	09/09/2024	31/10/2024	11/11/2024	27/08/2024	29/10/2024	12/11/2024	26/03/2025	25/03/2025	25/03/2025	24/03/2025
Concentration lower than Limit of Detection	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	DS-2024	Concept 2024	Concept 2024	Concept 2025	Concept 2024	Concept 2025	Concept 2024	Concept 2024	Concept 2024	Concept 2024	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Contaminant Name																							
Metal/Metalloid																							
Chromium Hexavalent	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.02	<0.003	<0.02	<0.003	<0.02			<0.02			<0.003	<0.003	<0.003	<0.003
Lead	0.0013	<0.0002	<0.0002	<0.0002	0.002	<0.0002	<0.0002	<0.0002	<0.0005	0.00061	0.00079	<0.0005	<0.0002	<0.0005			<0.0005			<0.0002	0.00037	0.00041	<0.0002
Mercury	<0.00001	<0.00001	<0.00001	0.00012	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	0.00029	<0.00001	<0.00005	<0.00001	<0.00005			<0.00005			<0.00001	<0.00001	<0.00001	<0.00001
Nickel	0.09	0.021	0.042	0.025	0.02	0.035	0.013	0.048	0.0073	0.014	0.00613	0.0087	0.00507	0.01			0.067			0.0767	0.00434	0.00439	0.027
Antimony									0.0011	0.0019	0.00107	<0.0005	<0.001	<0.0005			<0.0005			<0.001	<0.001	<0.001	<0.001
Arsenic	0.00333	0.0129	0.0108	0.00894	0.0149	0.00621	0.00244	0.00368	0.012	0.013	0.00492	0.0067	0.00829	0.00042			<0.0002			0.00249	0.0101	0.0102	0.0077
Beryllium									<0.001	<0.001	<0.0001	<0.001	<0.0001	<0.001			<0.001			<0.0001	<0.0001	<0.0001	<0.0001
Cadmium	0.00011	<0.00008	<0.00008	0.00004	0.00006	<0.00008	0.00007	<0.00008	<0.00011	<0.00011	<0.00008	<0.00011	<0.00008	<0.00011			0.00016			0.00027	<0.00008	<0.00008	<0.00008
Chromium	0.0021	0.0021	0.0024	<0.001	0.001	0.0018	<0.001	0.0026	0.00061	0.00086	<0.001	0.0024	<0.001	0.0017			0.001			<0.001	<0.001	<0.001	<0.001
Copper	0.0041	0.001	0.001	0.0075	0.0025	0.0009	0.008	0.0015	0.0045	0.0079	0.0106	0.0016	0.00044	0.0012			0.00099			0.00159	0.00116	0.00109	<0.0003
Vanadium									0.0025	0.059	0.0451	<0.0005	<0.001	<0.0005			<0.0005			<0.001	0.00362	0.00278	<0.001
Zinc	0.048	0.0065	0.004	0.003	0.0026	0.0027	0.0035	0.0056	0.0043	0.0029	0.00136	0.0025	0.00372	0.0052			0.0049			0.00355	0.00844	0.0215	0.00868
Calcium									24	44	66.5	89	89.6	100			87			91.4	24.3	23.7	168
Selenium									0.0017	0.005	0.00124	0.0016	<0.001	0.00087			0.003			<0.001	<0.001	<0.001	<0.001
Manganese									0.0077	0.0074	<0.003	1.9	2.37	0.5			0.96			1.78	0.0405	0.0509	3.35
Inorganic																							
pH value	7.5	7.2	7.1	11.1	9	7.3	7.8	7.1	8.6	10.1	11.5	8.2	7.3	8.4	8.14	7.6	8.1	7.12	7.46	7.5	9.06	9.09	7.28
Cyanide - total									<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05			<0.05	<0.05	<0.05	<0.05
Chloride									51	38	46.8	87	74.7	110			160			183	19.2	20	43.8
Ammoniacal nitrogen (as N)	0.46	1.9	0.28	38	8.2	0.73	0.048	0.82	1.5	2.1	2.52	2.7	1.24	1.2			0.078			<0.2	2.09	1.97	0.797
Ammonia (Free)									0.26	1.8		0.21		0.15			<0.05						
Dissolved organic carbon (DOC)									9.1	19	14.9	12	9.9	9.8	6.2	9.31	6.5	6.09	5.82	7.42	11.2	10.4	11.9
Hardness,Total as CaC03									68	110	182	270	266	300	34.6	149	240	265	285	263	99.5	67.4	484
Sulphate as SO4																							
Phenol and mineral oils																							
Phenol		<0.002	<0.002	0.0027				<0.002			<0.002		<0.002							<0.002	<0.01	<0.002	<0.002
Phenol (Monohydric)		<0.016	<0.016					<0.016			<0.016		<0.016							<0.016	<0.016	<0.016	<0.016
Xylenols		<0.008	<0.008	<0.008				<0.008			<0.008		<0.008							<0.008	<0.008	<0.008	<0.008
Cresols		<0.006	<0.006	<0.006				<0.006			0.01		<0.006							<0.006	<0.006	<0.006	<0.006
Phenols - total				0.0027					<0.03	<0.03		<0.03		<0.03			<0.03						
Total petroleum hydrocarbons																							
Aliphatics >C5-6									<0.0001	<0.0001	<0.01	<0.0001	<0.01	<0.0001			<0.0001			<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-8									<0.0001	<0.0001	<0.01	<0.0001	<0.01	<0.0001			<0.0001			<0.01	<0.01	<0.01	<0.01
Aliphatics >C8-10									<0.0001	<0.0001	<0.01	<0.0001	<0.01	<0.0001			<0.0001			<0.01	<0.01	<0.01	<0.01
Aliphatics >C10-12									<0.0001	0.06	<0.01	<0.0001	<0.01	<0.0001			0.1			<0.01	<0.01	<0.01	<0.01
Aliphatics >C12-16									<0.0001	0.023	<0.01	<0.0001	<0.01	<0.0001			0.55			<0.01	<0.01	<0.01	<0.01
Aliphatics >C16-21									<0.0001	0.12	<0.01	<0.0001	<0.01	<0.0001			0.54			<0.01	<0.01	<0.01	<0.01
Aliphatics >C21-35									<0.0001	0.13	<0.01	<0.0001	<0.01	<0.0001			0.097			<0.01	<0.01	<0.01	<0.01
Aliphatics >C35-44									<0.0001	<0.0001		<0.0001		<0.0001			<0.0001						
Aliphatics >C5-C44									<0.005	0.33		<0.005		<0.005			1.3						
Aromatics >C5-C7									<0.0001	<0.0001	<0.01	<0.0001	<0.01	<0.0001			<0.0001			<0.01	<0.01	<0.01	<0.01
Aromatics >C7-8									<0.0001	<0.0001	<0.01	<0.0001	<0.01	<0.0001			<0.0001			<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10									<0.0001	<0.0001	<0.01	<0.0001	<0.01	<0.0001			<0.0001			<0.01	<0.01	<0.01	<0.01
Aromatics >C10-12									<0.0001	0.014	<0.01	<0.0001	<0.01	<0.0001			0.043			<0.01	<0.01	<0.01	<0.01
Aromatics >C12-16									<0.0001	<0.0001	<0.01	<0.0001	<0.01	<0.0001			0.26			<0.01	<0.01	<0.01	<0.01
Aromatics >C16-21									<0.0001	0.028	<0.01	<0.0001	<0.01	<0.0001			0.3			<0.01	<0.01	<0.01	<0.01
Aromatics >C21-35									<0.0001	0.016	<0.01	<0.0001	<0.01	<0.0001			0.018			<0.01	<0.01	<0.01	<0.01
Aromatics >C35-44									<0.0001	<0.0001		<0.0001		<0.0001			<0.0001						
Aliphatics & Aromatics >C5-35											<0.01		<0.01							<0.01	<0.01	<0.01	<0.01
Aliphatics & Aromatics >C5-44									<0.005	0.058		<0.005		<0.005			0.62						
Polycyclic aromatic hydrocarbons																							
Acenaphthene	<0.00001				0.00023	<0.00001	<0.00001		<0.0001	<0.0001	<0.00001	<0.0001	0.00001	<0.0001			<0.0001			<0.00001	<0.01	0.00005	0.00002
Dibenz(ah)anthracene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	<0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	<0.00001	<0.00001
Fluoranthene	<0.00001				0.00036	<0.00001	<0.00001		<0.0001	<0.0001	0.00002	<0.0001	0.00001	<0.0001			<0.0001			<0.00001	<0.01	0.00009	0.00015
Fluorene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	<0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	0.00005	0.00003
Indeno(1,2,3-cd)pyrene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	0.00001	<0.00001
Phenanthrene	<0.00001				0.00031	<0.00001	<0.00001		<0.0001	<0.0001	<0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	0.00001	0.00021
Pyrene	<0.00001				0.00042	<0.00001	<0.00001		<0.0001	<0.0001	0.00015	<0.0001	0.00001	<0.0001			<0.0001			0.0001	<0.01	0.00011	0.00013
Naphthalene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			<0.0001			<0.0001	<0.01	<0.0001	<0.0001
PAH, Total Detected USEPA 16	<0.00001				0.00132	<0.00001	<0.00001		<0.002	<0.002	0.0002	<0.002	<0.00008	<0.002			<0.002			0.0001	0.0027	0.0004	0.00061
Acenaphthylene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	<0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	<0.00001	<0.00001
Anthracene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	<0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	0.00003	0.00005
Benzo(a)anthracene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	<0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	0.00001	0.00001
Benzo(g,h,i) perylene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	<0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	<0.00001	<0.00001
Benzo(a)pyrene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00000	<0.01	0.00001	<0.00001
Benzo(b)fluoranthene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	0.00002	<0.00001
Benzo(k)fluoranthene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	0.00001	<0.00001
Chrysene	<0.00001				<0.00001	<0.00001	<0.00001		<0.0001	<0.0001	<0.00001	<0.0001	<0.00001	<0.0001			<0.0001			<0.00001	<0.01	0.00002	0.00001
BTEX																							
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001			<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001			<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001			<0.001	<0.001	<0.001	<0.001
Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002		<0.002							<0.002	<0.002	<0.002	<0.002
o-Xylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001			<0.001	<0.001	<0.001	<0.001
m,p xylenes	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001			<0.001	<0.001	<0.001	<0.001
Total BTEX	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005		<0.005							<0.005	<0.005	<0.005	<0.005

Concentration exceeds GAC	DS116	DS117	DS119	DS120	DS121	DS122	DS123	DS125	BH2404A	BH2405	BH2405	BH2406	BH2406	BH2409	BH2409	BH2409	BH2410	BH2410	BH2410	BH2410	BH2502	BH2502	BH2503
Limit of Detection value exceeds GAC	0.946	1.5	0.864	3.195	1.159	1.11	0.79	0.454	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC									09/09/2024	27/08/2024	26/03/2025	27/08/2024	26/03/2025	09/09/2024	31/10/2024	11/11/2024	27/08/2024	29/10/2024	12/11/2024	26/03/2025	25/03/2025	25/03/2025	24/03/2025
VOC/SVOC																							
Methyl tertiary butyl ether (MTBE)									<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001			<0.001	<0.001	<0.001	<0.001
Styrene																					<0.001		
cis-1,3-Dichloropropene																					<0.001		
trans-1,3-Dichloropropene																					<0.001		
Propylbenzene																					<0.001		
n-Butylbenzene																					<0.001		
4-Chlorotoluene																					<0.001		
1,4-Dichlorobenzene																					<0.01		
1,2-Dibromoethane																					<0.001		
1,2-Dichloroethane																					<0.001		
1,3,5-Trimethylbenzene																					<0.001		
Bromobenzene																					<0.001		
Chlorobenzene																					<0.001		
1,2,4-Trichlorobenzene																					**<0.01**		
Dibromochloromethane																					<0.001		
Tetrachloroethene																					<0.001		
sec-Butylbenzene																					<0.001		
1,3-Dichloropropane																					<0.001		
cis-1,2-Dichloroethene																					<0.001		
trans-1,2-Dichloroethene																					<0.001		
1,3-Dichlorobenzene																					<0.01		
Carbon tetrachloride																					<0.001		
1,1-Dichloropropene																					<0.001		
1,1,1,2-Tetrachloroethane																					<0.001		
Chloroform																					<0.001		
1,1,1-Trichloroethane																					<0.001		
Bromomethane																					<0.001		
Chloromethane																					<0.001		
Dibromomethane																					<0.001		
Bromochloromethane																					<0.001		
Chloroethane																					<0.001		
Vinyl chloride																					<0.001		
Bromoform																					<0.001		
Bromodichloromethane																					<0.001		
1,1-Dichloroethane																					<0.001		
1,1-Dichloroethene																					<0.001		
Trichlorofluoromethane																					<0.001		
Dichlorodifluoromethane																					<0.001		
1,2-Dichloropropane																					<0.001		
1,1,2-Trichloroethane																					<0.001		
Trichloroethene																					<0.001		
1,2,3-Trichlorobenzene																					**<0.001**		
Hexachlorobutadiene																					<0.01		
2-Chlorotoluene																					<0.001		
1,2-Dichlorobenzene																					<0.01		
1,2,4-Trimethylbenzene																					<0.001		
1,2-Dibromo-3-chloropropane																					<0.001		
1,2,3-Trichloropropane																					<0.001		
tert-Butylbenzene																					<0.001		
Isopropylbenzene																					<0.001		
4-iso-Propyltoluene																					<0.001		
1,3,5-Trichlorobenzene																					**<0.001**		
2,2-Dichloropropane																					<0.001		
Dichloromethane																					<0.003		
Carbon disulphide																					<0.001		
1,1,2,2-Tetrachloroethane																					<0.001		
SVOC/SVOC																							
4-Nitrophenol	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
4-Bromophenylphenylether	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
2,4-Dimethylphenol	0.00503	0.00503	0.00503	0.00503	0.00503	0.00503	0.00503	0.00503													<0.01		
4-Methylphenol	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
bis(2-Chloroethyl)ether	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
bis(2-Chloroethoxy)methane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
bis(2-Ethylhexyl) phthalate	**<0.004**	**<0.004**	**<0.004**	**<0.004**	**<0.004**	**<0.004**	**<0.004**	**<0.004**													**<0.02**		
n-Dioctyl phthalate	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01													**<0.05**		
Hexachlorobenzene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
2,4-Dichlorophenol	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													**<0.01**		
2,4-Dinitrotoluene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
Dimethyl phthalate	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
Dibenzofuran	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
4-Chloro-3-methylphenol	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
2,6-Dinitrotoluene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
n-Nitroso-n-dipropylamine	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
Hexachloroethane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
Isophorone	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
Diethyl phthalate	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
n-Dibutyl phthalate	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													**<0.01**		
Butylbenzyl phthalate	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													**<0.01**		
Carbazole	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
2,4,6-Trichlorophenol	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
2-Nitrophenol	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
2-Methylnaphthalene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
2-Chloronaphthalene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
2-Methylphenol	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
2-Chlorophenol	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
2,4,5-Trichlorophenol	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
Nitrobenzene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
Hexachlorocyclopentadiene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002													<0.01		
Pentachlorophenol	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**													**<0.01**		
4-Nitroaniline																					<0.01		
Azobenzene																					<0.01		
4-Chloroaniline																					<0.01		
Bis(2-Chloroisopropyl)Ether																							
2-Methyl-4,6-Dinitrophenol																							
N-Nitrosodimethylamine																							
4-Chlorophenylphenylether																					<0.01		
2-Nitroaniline																					<0.01		
3-Nitroaniline																					<0.01		

Concentration exceeds GAC	DS116	DS117	DS119	DS120	DS121	DS122	DS123	DS125	BH2404A	BH2405	BH2405	BH2406	BH2406	BH2409	BH2409	BH2409	BH2410	BH2410	BH2410	BH2410	BH2502	BH2502	BH2503
Limit of Detection value exceeds GAC	0.946	1.5	0.864	3.195	1.159	1.11	0.79	0.454	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC									09/09/2024	27/08/2024	26/03/2025	27/08/2024	26/03/2025	09/09/2024	31/10/2024	11/11/2024	27/08/2024	29/10/2024	12/11/2024	26/03/2025	25/03/2025	25/03/2025	24/03/2025
PFAS																							
Linear PFOS											0.0000141		0.00000799		0.00000288	0.00000643		0.0000201	0.0000208	0.0000199	0.0000169	0.0000296	0.0000327
Branched PFOS											0.00000939		0.00000766		0.00000238	0.00000908		0.000014	0.0000115	0.00000986	0.0000125	0.0000177	0.0000296
Total PFOS											0.0000235		0.0000157		0.00000526	0.0000155		0.0000341	0.0000323	0.0000297	0.0000294	0.0000473	0.0000623
PFOA											0.0000203		0.000398		0.0000484	0.000295		0.0000221	0.0000193	0.0000158	0.0000206	0.0000196	0.0000349
PFEESA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
HFPO-DA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
HFPO-TA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00003	<0.00003	<0.00003	<0.00003	<0.00005
PFecHS											0.00000472		0.00000479		0.00000119	0.00000321		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
NFDHA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00002	<0.00002	<0.00002	<0.00003
PFODA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
EtFOSE											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00005	<0.00005	<0.00005	<0.0001
PFTrDS											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Perfluoroundecanoic acid											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
MeFOSAA											0.00000275		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
MeFOSE											<0.00005		<0.00005		<0.00005	<0.00005		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
PFPA Perfluoronpentanoic acid											0.00000935		0.0000116		0.0000116	0.000107		<0.00001	0.00000666	0.00000734	0.00000641	0.0000208	0.0000443
PFPeS (Perfluoro-1-pentanesulfonate)											<0.00001		0.0000389		0.00000439	0.0000404		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
1H 1H 2H 2H-Perfluorooctanesulfonic acid											<0.00001		<0.00001		<0.00001	0.00000252		0.00000478	0.00000471	<0.00001	<0.00001	<0.00001	<0.00001
EtFOSAA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
FBSA											<0.00001		<0.00001		<0.00001	<0.00001		0.00000266	0.00000272	0.00000148	<0.00001	<0.00001	<0.00001
PFHxA Perfluoronhexanoic acid											0.0000133		0.000164		0.0000181	0.000146		0.00000256	0.00000352	0.00000255	0.0000153	0.0000128	0.0000375
PFDoA Perfluorondodecanoic acid											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
N-MeFOSA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFDA Perfluorondecanoic acid											0.00000249		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	0.00000274	<0.00001	<0.00001	<0.00002
PFDS											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
6:2 FTAB											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00005	<0.00005	<0.0001
PFHxS Perfluoro-1-hexanesulfonate											0.00000244		0.000148		0.0000132	0.000115		0.0000102	0.00000756	0.00000536	<0.00001	<0.00001	0.000078
3:3 FTCA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
PFBA Perfluoronbutanoic acid											0.00000642		0.000113		0.0000159	0.0000988		0.0000233	0.0000253	0.0000223	<0.00001	<0.00001	<0.00002
PFBS Perfluoro-1-butanesulfonate											0.00000232		0.0000579		0.00000518	0.0000393		0.00000646	0.00000548	0.00000585	0.00000569	<0.00001	0.0000235
PFHpA Perfluoronheptanoic acid											0.0000049		0.000193		0.0000219	0.000148		0.00000457	0.00000495	0.00000303	0.00000808	0.00000623	0.0000134
PFHpS Perfluoro-1-heptanesulfonate											<0.00001		0.00000143		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFNA Perfluorononanoic acid											0.00000205		0.00000103		0.00000111	0.00000151		0.00000315	0.00000299	0.00000254	<0.00001	<0.00001	<0.00001
PFTeA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFMOPrA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
8:2 FTS											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
N-EtFOSA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
FHxSA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFHxDA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFNS											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFTrDA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00003
PFUnDS											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
PFOSA Perfluoro-octanesulfonamide											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
9Cl-PF3ONS											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
4:2 FTS											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
11Cl-PF3OUdS											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
PFDoS											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002
7:3 FTCA											<0.00003		<0.00003		<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00005
PFMOBA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
5:3 FTCA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00003	<0.00003	<0.00005
ADONA											<0.00001		<0.00001		<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total PFAS DWI 47											0.0000946		0.00125							0.0000987	<0.00045	<0.00045	<0.0009

Concentration exceeds GAC Limit of Detection value exceeds GAC Concentration exceeds saturation value but not GAC Concentration lower than Limit of Detection Contaminant Name	BH2503 0 01/04/2025 Concept 2025	BH2503 0 07/04/2025 Concept 2025	BH2504 0 25/03/2025 Concept 2025	BH2504 0 01/04/2025 Concept 2025	BH2504 0 08/04/2025 Concept 2025	BH2505 0 24/03/2025 Concept 2025	BH2505 0 31/03/2025 Concept 2025	BH2505 0 07/04/2025 Concept 2025	DS105 0 04/09/2024 Concept 2024	DS107(3) 0 27/08/2024 Concept 2024	DS112 0 10/09/2024 Concept 2024	DS112 0 30/10/2024 Concept 2024	DS112 0 13/11/2024 Concept 2024	DS122 0 04/09/2024 Concept 2024	DS2401 0 27/08/2024 Concept 2024	DS2401 0 30/10/2024 Concept 2024	DS2401 0 11/11/2024 Concept 2024	DS2403 0 27/08/2024 Concept 2024	DS2403 0 04/09/2024 Concept 2024	DS2403 0 31/10/2024 Concept 2024	DS2403 0 13/11/2024 Concept 2024	DS2404 0 09/09/2024 Concept 2024	DS2404 0 30/10/2024 Concept 2024
Metal/Metalloid																								
Chromium Hexavalent	<0.003	<0.003	<0.003	<0.003	<0.003	<0.006	<0.003	<0.003	<0.02	<0.02	<0.02			<0.02	<0.02			<0.02	<0.02			<0.02	
Lead	<0.0002	<0.0002	<0.0002	0.00046	<0.0002	0.00042	0.00094	0.00036	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005			<0.0005	<0.0005			<0.0005	
Mercury	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00007	0.0001	0.00009	0.00009	<0.00005	<0.00005			<0.00005	<0.00005			<0.00005	<0.00005			<0.00005	
Nickel	0.0267	0.0274	0.00773	0.0086	0.00914	0.0287	0.0376	0.0323	0.022	0.017	0.011			0.034	0.0057			0.011	0.015			0.011	
Antimony	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0025	<0.0005	<0.0005			<0.0005	0.0015			<0.0005	<0.0005			<0.0005	
Arsenic	0.00924	0.00956	0.0007	0.00072	0.00076	0.029	0.0474	0.0385	0.01	0.0011	0.0053			<0.0002	0.0021			0.00026	<0.0002			0.00083	
Beryllium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001			<0.001	
Cadmium	<0.00008	<0.00008	0.00014	0.00015	0.00014	<0.00008	<0.00008	<0.00008	<0.00011	<0.00011	<0.00011			0.00034	<0.00011			<0.00011	0.00014			<0.00011	
Chromium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00093	0.0022	<0.0005			0.0019	0.0042			0.0031	0.0029			<0.0005	
Copper	<0.0003	<0.0003	0.00214	0.00257	0.00279	0.00143	0.0023	0.00092	0.0015	<0.0005	<0.0005			0.0033	0.0053			0.0028	0.0034			0.0013	
Vanadium	<0.001	<0.001	<0.001	<0.001	<0.001	0.00424	0.00487	0.00435	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005			<0.0005	<0.0005			0.00076	
Zinc	0.00532	0.00559	0.0105	0.00658	0.00716	0.00265	0.00299	0.0016	0.0057	0.0069	0.0061			0.0058	0.0031			0.0038	0.0094			0.0039	
Calcium	171	163	134	137	142	5.76	4.7	7.25	19	490	69			110	100			150	160			120	
Selenium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00171	0.00142	0.0015	0.0031	0.00057			0.002	0.11			0.0032	0.0016			0.00069	
Manganese	3.34	3.27	2.84	2.88	2.81	0.239	0.178	0.307	0.011	1.2	3.7			3.7	0.037			4.9	5.2			0.48	
Inorganic																								
pH value	7.28	7.28	7.12	6.99	7	9.71	9.79	9.7	8.5	7.7	8.8	7.19	7.23	8.1	7.9	7.35	7.68	7.6	8	7.06	7.09	8.1	9.59
Cyanide - total	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05			<0.05	<0.05			<0.05	
Chloride	41.2	41.3	69.9	65.3	66.4	77.5	75.1	73.7	150	59	130			140	270			81	76			37	
Ammoniacal nitrogen (as N)	0.772	0.808	<0.2	<0.2	<0.2	148	163	153	7.5	0.086	1.4			1	0.17			0.93	0.39			0.33	
Ammonia (Free)									1	<0.05	0.38			0.068	<0.05			<0.05	<0.05			<0.05	
Dissolved organic carbon (DOC)	11.2	11.5	8.73	8.24	9.17	36.5	37.1	33.9	30	6.4	4.1	3.5	4.36	5.5	7.1	5.51	7.08	11	9.8	9.32	10	3.3	10.7
Hardness,Total as CaC03	501	482	394	406	400	19.8	12.4	29.4	67	1500	190	176	237	300	370	1090	801	450	470	407	456	350	30.3
Sulphate as SO4											29												
Phenol and mineral oils																							
Phenol	<0.002	<0.002	<0.002	<0.002	<0.002	0.06	0.09	0.09		<0.0005													
Phenol (Monohydric)	<0.016	<0.016	<0.016	<0.016	<0.016	0.14	0.16	0.16															
Xylenols	<0.008	<0.008	<0.008	<0.008	<0.008	0.04	0.03	0.03															
Cresols	<0.006	<0.006	<0.006	<0.006	<0.006	0.04	0.04	0.04															
Phenols - total									<0.03	<0.03	<0.03			<0.03	<0.03			<0.03	<0.03			<0.03	
Total petroleum hydrocarbons																							
Aliphatics >C5-6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aliphatics >C6-8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aliphatics >C8-10	<0.01	<0.01	<0.01	<0.01	<0.01	0.014	<0.01	<0.01	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aliphatics >C10-12	<0.01	<0.01	<0.01	<0.01	<0.01	0.017	<0.01	<0.01	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aliphatics >C12-16	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aliphatics >C16-21	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aliphatics >C21-35	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aliphatics >C35-44									<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aliphatics >C5-C44									<0.005	<0.005	<0.005			<0.005	<0.005			<0.005	<0.005			<0.005	
Aromatics >C5-C7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aromatics >C7-8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aromatics >C8-10	<0.01	<0.01	<0.01	<0.01	<0.01	0.012	<0.01	<0.01	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aromatics >C10-12	<0.01	<0.01	<0.01	<0.01	<0.01	0.011	<0.01	<0.01	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aromatics >C12-16	<0.01	<0.02	<0.01	<0.01	<0.01	0.0131	0.021	<0.05	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aromatics >C16-21	<0.01	<0.02	<0.01	<0.01	<0.01	0.0823	0.0581	<0.05	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aromatics >C21-35	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aromatics >C35-44									<0.0001	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Aliphatics & Aromatics >C5-35	<0.01	<0.01	<0.01	<0.01	<0.01	0.16	0.0791	0.015															
Aliphatics & Aromatics >C5-44									<0.005	<0.005	<0.005			<0.005	<0.005			<0.005	<0.005			<0.005	
Polycyclic aromatic hydrocarbons																							
Acenaphthene	0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.01	0.00062	0.00051	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Dibenz(ah)anthracene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Fluoranthene	0.00012	0.00006	0.00001	0.00001	0.00001	<0.01	0.00018	0.00016	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Fluorene	0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.01	0.00049	0.00041	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Indeno(1,2,3-cd)pyrene	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Phenanthrene	0.00003	0.00001	0.00002	0.00001	<0.00001	<0.01	0.00091	0.0009	0.0011	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Pyrene	0.00012	0.00008	0.00002	0.00002	0.00002	<0.01	0.00013	0.00013	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Naphthalene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.01	0.00146	0.00154	0.0038	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
PAH, Total Detected USEPA 16	0.00046	0.00018	<0.00008	<0.00008	<0.00008	0.00459	0.00389	0.00371	0.0049	<0.002	<0.002			<0.002	<0.002			<0.002	<0.002			<0.002	
Acenaphthylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.01	0.00002	<0.00005	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Anthracene	0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.01	0.00009	0.00006	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Benzo(a)anthracene	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Benzo(g,h,i) perylene	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Benzo(a)pyrene	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Benzo(b)fluoranthene	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Benzo(k)fluoranthene	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
Chrysene	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0005	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	
BTEX																							
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	0.00155	0.00137	0.00146	<0.001	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001			<0.001	
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	0.00285	0.00264	0.00291	<0.001	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001			<0.001	
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001			<0.001	
Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00247	0.00231															
o-Xylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00108	0.00112	<0.001	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001			<0.001	
m,p xylenes	<0.001	<0.001	<0.001	<0.001	<0.001	0.00101	0.00139	0.00119	<0.001	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001			<0.001	
Total BTEX	<0.005	<0.005	<0.005	<0.005	<0.005	0.00541	0.00648	0.00668															

Concentration exceeds GAC	BH2503	BH2503	BH2504	BH2504	BH2504	BH2505	BH2505	BH2505	DS105	DS107(3)	DS112	DS112	DS112	DS122	DS2401	DS2401	DS2401	DS2403	DS2403	DS2403	DS2403	DS2404	DS2404
Limit of Detection value exceeds GAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC	01/04/2025	07/04/2025	25/03/2025	01/04/2025	08/04/2025	24/03/2025	31/03/2025	07/04/2025	04/09/2024	27/08/2024	10/09/2024	30/10/2024	13/11/2024	04/09/2024	27/08/2024	30/10/2024	11/11/2024	27/08/2024	04/09/2024	31/10/2024	13/11/2024	09/09/2024	30/10/2024
VOC/SVOC																							
Methyl tertiary butyl ether (MTBE)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001			<0.001	
Styrene						<0.001				<0.001													
cis-1,3-Dichloropropene						<0.001				<0.01													
trans-1,3-Dichloropropene						<0.001				<0.01													
Propylbenzene						<0.001				<0.001													
n-Butylbenzene						<0.001				<0.001													
4-Chlorotoluene						<0.001				<0.001													
1,4-Dichlorobenzene						<0.01				<0.001													
1,2-Dibromoethane						<0.001				<0.005													
1,2-Dichloroethane						<0.001				<0.002													
1,3,5-Trimethylbenzene						<0.001				<0.001													
Bromobenzene						<0.001				<0.001													
Chlorobenzene						0.0023				<0.001													
1,2,4-Trichlorobenzene						**<0.01**				**<0.001**													
Dibromochloromethane						<0.001				<0.01													
Tetrachloroethene						<0.001				<0.001													
sec-Butylbenzene						<0.001				<0.001													
1,3-Dichloropropane						<0.001				<0.002													
cis-1,2-Dichloroethene						<0.001				<0.001													
trans-1,2-Dichloroethene						<0.001				<0.001													
1,3-Dichlorobenzene						<0.01				<0.001													
Carbon tetrachloride						<0.001				<0.001													
1,1-Dichloropropene						<0.001				<0.001													
1,1,1,2-Tetrachloroethane						<0.001				<0.002													
Chloroform						<0.001				<0.001													
1,1,1-Trichloroethane						<0.001				<0.001													
Bromomethane						<0.001				<0.005													
Chloromethane						<0.001				<0.001													
Dibromomethane						<0.001				<0.01													
Bromochloromethane						<0.001				<0.005													
Chloroethane						<0.001				<0.002													
Vinyl chloride						<0.001				<0.001													
Bromoform						<0.001				<0.001													
Bromodichloromethane						<0.001				<0.005													
1,1-Dichloroethane						<0.001				<0.001													
1,1-Dichloroethene						<0.001				<0.001													
Trichlorofluoromethane						<0.001				<0.001													
Dichlorodifluoromethane						<0.001				<0.001													
1,2-Dichloropropane						<0.001				<0.001													
1,1,2-Trichloroethane						<0.001				<0.01													
Trichloroethene						<0.001				<0.001													
1,2,3-Trichlorobenzene						**<0.001**				**<0.002**													
Hexachlorobutadiene						<0.01				<0.001													
2-Chlorotoluene						<0.001				<0.001													
1,2-Dichlorobenzene						<0.01				<0.001													
1,2,4-Trimethylbenzene						<0.001				<0.001													
1,2-Dibromo-3-chloropropane						<0.001				<0.05													
1,2,3-Trichloropropane						<0.001				<0.05													
tert-Butylbenzene						<0.001				<0.001													
Isopropylbenzene						<0.001				<0.001													
4-iso-Propyltoluene						0.00288				<0.001													
1,3,5-Trichlorobenzene						**<0.001**																	
2,2-Dichloropropane						<0.001																	
Dichloromethane						<0.003																	
Carbon disulphide						<0.001																	
1,1,2,2-Tetrachloroethane						<0.001																	
SVOC/SVOC																							
4-Nitrophenol						<0.01				<0.0005													
4-Bromophenylphenylether						<0.01				<0.0005													
2,4-Dimethylphenol						<0.01				<0.0005													
4-Methylphenol						<0.01				<0.0005													
bis(2-Chloroethyl)ether						<0.01				<0.0005													
bis(2-Chloroethoxy)methane						<0.01				<0.0005													
bis(2-Ethylhexyl) phthalate						**<0.02**				<0.0005													
n-Dioctyl phthalate						**<0.05**				<0.0005													
Hexachlorobenzene						<0.01				<0.0005													
2,4-Dichlorophenol						**<0.01**				<0.0005													
2,4-Dinitrotoluene						<0.01				<0.0005													
Dimethyl phthalate						<0.01				<0.0005													
Dibenzofuran						<0.01				<0.0005													
4-Chloro-3-methylphenol						<0.01				<0.0005													
2,6-Dinitrotoluene						<0.01				<0.0005													
n-Nitroso-n-dipropylamine						<0.01				<0.0005													
Hexachloroethane						<0.01				<0.0005													
Isophorone						<0.01				<0.0005													
Diethyl phthalate						<0.01				<0.0005													
n-Dibutyl phthalate						**<0.01**				<0.0005													
Butylbenzyl phthalate						**<0.01**				<0.0005													
Carbazole						<0.01				<0.0005													
2,4,6-Trichlorophenol						<0.01				<0.0005													
2-Nitrophenol						<0.01				<0.0005													
2-Methylnaphthalene						<0.01				<0.0005													
2-Chloronaphthalene						<0.01				<0.0005													
2-Methylphenol						<0.01				<0.0005													
2-Chlorophenol						<0.01				<0.0005													
2,4,5-Trichlorophenol						<0.01				<0.0005													
Nitrobenzene						<0.01				<0.0005													
Hexachlorocyclopentadiene						<0.01																	
Pentachlorophenol						**<0.01**																	
4-Nitroaniline						<0.01				<0.0005													
Azobenzene						<0.01				<0.0005													
4-Chloroaniline						<0.01				<0.0005													
Bis(2-Chloroisopropyl)Ether										<0.0005													
2-Methyl-4,6-Dinitrophenol										<0.0005													
N-Nitrosodimethylamine										<0.0005													
4-Chlorophenylphenylether						<0.01				<0.0005													
2-Nitroaniline						<0.01				<0.0005													
3-Nitroaniline						<0.01				<0.0005													

Concentration exceeds GAC	BH2503	BH2503	BH2504	BH2504	BH2504	BH2505	BH2505	BH2505	DS105	DS107(3)	DS112	DS112	DS112	DS122	DS2401	DS2401	DS2401	DS2403	DS2403	DS2403	DS2403	DS2404	DS2404
Limit of Detection value exceeds GAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC	01/04/2025	07/04/2025	25/03/2025	01/04/2025	08/04/2025	24/03/2025	31/03/2025	07/04/2025	04/09/2024	27/08/2024	10/09/2024	30/10/2024	13/11/2024	04/09/2024	27/08/2024	30/10/2024	11/11/2024	27/08/2024	04/09/2024	31/10/2024	13/11/2024	09/09/2024	30/10/2024
PFAS																							
Linear PFOS	0.0000294	0.0000446	0.0000106	0.00000997	0.000011	0.0000528	0.0000337	0.0000712				0.00000325	<0.00003				<0.00003			0.0000237	0.0000116		0.0000112
Branched PFOS	0.000027	0.0000707	0.0000126	0.0000103	0.0000103	0.0000343	0.0000341	0.0000462				0.0000027	<0.00003				<0.00003			0.0000192	0.0000164		0.00000534
Total PFOS	0.0000564	0.000115	0.0000232	0.0000203	0.0000213	0.0000871	0.0000678	0.000117				0.00000594	<0.00003				<0.00003			0.0000429	0.000028		0.0000166
PFOA	0.0000275	0.0000556	0.000321	0.000479	0.00063	0.000055	0.0000451	0.0000906				0.00000147	<0.00003				<0.00003			0.000796	0.000977		0.0000109
PFEESA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
HFPO-DA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		<0.00001
HFPO-TA	<0.00003	<0.00003	<0.00001	<0.00001	<0.00001	<0.00003	<0.00003	<0.00003				<0.00003	<0.00003				<0.00025			<0.00003	<0.00001		<0.00001
PFecHS	<0.00001	<0.00001	0.00000997	0.00000533	0.00000687	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	0.00000799		0.00000245
NFDHA	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00002				<0.00002	<0.00002				<0.00015			<0.00002	<0.00001		<0.00001
PFODA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
EtFOSE	<0.00005	<0.00005	<0.00001	<0.00001	<0.00001	<0.00005	<0.00005	<0.00005				<0.00005	<0.00005				<0.0005			<0.00005	<0.00001		<0.00001
PFTrDS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
Perfluoroundecanoic acid	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		<0.00001
MeFOSAA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		0.00000363
MeFOSE	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005				<0.00005	<0.00005				<0.0005			<0.00005	<0.00001		<0.00001
PFPA Perfluoronpentanoic acid	0.0000464	0.0000809	0.000177	0.000159	0.000209	0.0000844	0.000052	0.000114				0.00000665	0.0000136				<0.00005			0.000303	0.000313		0.0000103
PFPeS (Perfluoro-1-pentanesulfonate)	<0.00001	0.00000926	0.0000757	0.0000627	0.0000733	0.00000538	<0.00001	0.00000772				<0.00001	<0.00001				<0.00005			0.000121	0.000115		<0.00001
1H 1H 2H 2H-Perfluorooctanesulfonic acid	<0.00001	0.0000199	<0.00001	<0.00001	0.00000123	0.0000335	<0.00001	0.0000619				<0.00001	<0.00001				<0.00005			0.00000575	0.00000189		0.00000792
EtFOSAA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		<0.00001
FBSA	0.00000692	0.000019	0.00000137	0.00000128	0.00000116	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	0.00000188		<0.00001
PFHxA Perfluoronhexanoic acid	0.0000334	0.0000725	0.000229	0.00025	0.000313	0.0000367	0.0000295	0.0000621				0.00000305	<0.00001				<0.00005			0.000415	0.00044		0.00000805
PFDoA Perfluorondodecanoic acid	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		<0.00001
N-MeFOSA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
PFDA Perfluorondecanoic acid	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		0.00000222
PFDS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		<0.00001
6:2 FTAB	<0.00005	0.0000538	<0.00001	<0.00001	<0.00001	<0.00005	<0.00005	<0.00005				<0.00001	<0.00005				<0.0005			<0.00005	<0.00001		0.0000152
PFHxS Perfluoro-1-hexanesulfonate	0.0000683	0.000136	0.000189	0.000198	0.000279	0.0000161	0.0000115	0.000022				0.00000193	<0.00001				<0.00005			0.000298	0.000282		0.00000414
3:3 FTCA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		<0.00001
PFBA Perfluoronbutanoic acid	0.0000259	0.0000533	0.000177	0.000178	0.000209	0.0000231	0.0000305	0.0000372				0.00000347	<0.00001				<0.0001			0.000283	0.000282		<0.00001
PFBS Perfluoro-1-butanesulfonate	0.0000181	0.0000555	0.0000885	0.0000744	0.0000927	0.0000148	0.0000098	0.0000228				0.00000137	<0.00001				<0.00005			0.000123	0.000119		0.00000206
PFHpA Perfluoronheptanoic acid	0.0000176	0.0000311	0.00028	0.000236	0.000306	0.0000258	0.0000187	0.000039				0.00000144	<0.00001				<0.00005			0.000395	0.000481		0.00000566
PFHpS Perfluoro-1-heptanesulfonate	<0.00001	<0.00001	<0.00001	0.00000173	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	0.00000147		<0.00001
PFNA Perfluorononanoic acid	<0.00001	<0.00001	0.00000169	0.00000175	0.00000169	<0.00001	<0.00001	0.00000695				0.00000119	<0.00001				<0.00005			<0.00001	<0.00001		0.00000207
PFTeA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
PFMOPrA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
8:2 FTS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		0.00000201
N-EtFOSA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
FHxSA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
PFHxDA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
PFNS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
PFTrDA	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002				<0.00002	<0.00002				<0.00015			<0.00002	<0.00002		<0.00002
PFUnDS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		<0.00001
PFOSA Perfluoro-octanesulfonamide	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		<0.00001
9Cl-PF3ONS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
4:2 FTS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
11Cl-PF3OUdS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		<0.00001
PFDoS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.0001			<0.00001	<0.00001		<0.00001
7:3 FTCA	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003				<0.00003	<0.00003				<0.00025			<0.00003	<0.00003		<0.00003
PFMOBA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
5:3 FTCA	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003				<0.00003	<0.00003				<0.00025			<0.00003	<0.00003		<0.00003
ADONA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001				<0.00001	<0.00001				<0.00005			<0.00001	<0.00001		<0.00001
Total PFAS DWI 47	<0.00045	0.000648	0.00157	0.00167	0.00214	<0.00045	<0.00045	0.000582															

Concentration exceeds GAC Limit of Detection value exceeds GAC Concentration exceeds saturation value but not GAC Concentration lower than Limit of Detection Contaminant Name	DS2404 0 11/11/2024 Concept 2024	DS2404 0 26/03/2025 Concept 2025	DS2405 0 04/09/2024 Concept 2024	DS2405 0 31/10/2024 Concept 2024	DS2405 0 12/11/2024 Concept 2024	DS2407 0 29/10/2024 Concept 2024	DS2407 0 29/10/2024 Concept 2024	DS2407 0 12/11/2024 Concept 2024	DS2407 0 12/11/2024 Concept 2024	DS2408 0 29/10/2024 Concept 2024	DS2408 0 12/11/2024 Concept 2024	DS2408 0 26/03/2025 Concept 2025	DS2502 0 25/03/2025 Concept 2025	DS2502 0 01/04/2025 Concept 2025	DS2502 0 08/04/2025 Concept 2025	DS2503 0 26/03/2025 Concept 2025	DS2503 0 01/04/2025 Concept 2025	DS2503 0 08/04/2025 Concept 2025	DS2504 0 24/03/2025 Concept 2025	DS2504 0 01/04/2025 Concept 2025	DS2504 0 01/04/2025 Concept 2025
Metal/Metalloid																						
Chromium Hexavalent		<0.003	<0.02									<0.003	<0.003	0.00336	<0.003	<0.003	<0.003	<0.003	<0.003	<0.006	<0.006
Lead		<0.0002	0.0043									<0.0002	0.0002	0.00056	<0.0002	<0.0002	0.00145	<0.0002	0.00247	0.00419	0.00419
Mercury		<0.00001	<0.00005									<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Nickel		0.00335	0.02									0.00752	0.00164	0.00193	0.00203	0.00585	0.00606	0.00599	0.00435	0.00391	0.00391
Antimony		<0.001	0.00098									<0.001	0.00133	0.00128	0.00123	<0.001	<0.001	<0.001	0.00184	0.00188	0.00188
Arsenic		0.0158	<0.0002									<0.0005	0.00738	0.00732	0.00625	0.00056	0.00083	0.00063	0.0139	0.0172	0.0172
Beryllium		<0.0001	<0.001									<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Cadmium		<0.00008	0.00013									<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Chromium		<0.001	0.0025									<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00469	0.00469
Copper		0.00121	0.0067									0.0139	0.00249	0.0025	0.00258	0.00185	0.00329	0.00194	0.00461	0.00307	0.00307
Vanadium		0.00276	<0.0005									<0.001	0.0153	0.0154	0.0124	<0.001	<0.001	<0.001	0.0163	0.0166	0.0166
Zinc		0.00288	0.021									0.00158	0.00183	0.00558	0.00335	0.00324	0.00968	0.00174	0.00185	0.00904	0.00904
Calcium		10.7	140									50	22.2	28.1	28.7	120	131	127	40.4	42.4	42.4
Selenium		<0.001	0.0014									<0.001	0.00171	0.00145	0.00135	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese		0.00649	0.52									0.00932	<0.003	0.0123	<0.003	1.78	1.77	1.77	0.0396	0.0162	0.0162
Inorganic																					
pH value	9.69	9.63	8.2	7.42	7.37	7.48	7.53	7.64	7.33	7.29	7.34	7.03	9.23	9.23	9.38	6.99	7.02	7.84	9.68	9.82	9.82
Cyanide - total		<0.05	<0.05									<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloride		20.5	52									56	27.7	31.1	32.1	71.8	70.7	77.9	19.9	19.8	19.8
Ammoniacal nitrogen (as N)		1.78	0.1									0.227	<0.2	<0.2	<0.2	1.78	1.87	1.97	5.01	3.99	3.99
Ammonia (Free)			<0.05																		
Dissolved organic carbon (DOC)	9.21	8.17	11	9.8	11.1	14.6	15.4	12.2	3.17	3.77	<3	3.43	6.3	7.05	6.9	7.39	11.3	9.01	15.4	12.8	12.8
Hardness,Total as CaC03	30.2	28.4	390	320	436	489	459	427	124	166	126	136	62	75.6	76.7	373	374	364	114	114	114
Sulphate as SO4																					
Phenol and mineral oils																					
Phenol		<0.002										<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phenol (Monohydric)		<0.016										<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Xylenols		<0.008										<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
Cresols		<0.006										<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Phenols - total			<0.03																		
Total petroleum hydrocarbons																					
Aliphatics >C5-6		<0.01	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-8		<0.01	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C8-10		<0.01	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C10-12		<0.01	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C12-16		<0.02	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.276	<0.1	<0.1
Aliphatics >C16-21		<0.02	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.295	<0.1	<0.1
Aliphatics >C21-35		<0.02	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.567	<0.1	<0.1
Aliphatics >C35-44			<0.0001																		
Aliphatics >C5-C44			<0.005																		
Aromatics >C5-C7		<0.01	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C7-8		<0.01	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10		<0.01	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C10-12		<0.01	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C12-16		<0.02	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1
Aromatics >C16-21		<0.02	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1
Aromatics >C21-35		<0.02	<0.0001									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1	<0.1
Aromatics >C35-44			<0.0001																		
Aliphatics & Aromatics >C5-35		<0.01										<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	1.14	<0.1	<0.1
Aliphatics & Aromatics >C5-44			<0.005																		
Polycyclic aromatic hydrocarbons																					
Acenaphthene		0.00023	<0.0001									<0.00001	0.00006	0.00004	0.00004	0.0000	<0.00001	<0.00001	0.00060	0.00060	0.00060
Dibenz(ah)anthracene		<0.00001	<0.0001									<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene		0.0001	<0.0001									<0.00001	0.00005	0.00009	0.00005	0.0000	0.00002	0.00008	0.00035	0.00034	0.00034
Fluorene		0.00013	<0.0001									<0.00001	0.00003	0.00004	0.00004	0.0000	<0.00001	<0.00001	0.00023	0.00012	0.00012
Indeno(1,2,3-cd)pyrene		<0.00001	<0.0001									<0.00001	<0.00001	0.00001	<0.00001	<0.00001	0.00001	0.00004	0.00004	0.00003	0.00003
Phenanthrene		0.0001	<0.0001									<0.00001	0.00001	0.00006	0.00004	0.0000	0.00001	0.00002	0.00008	<0.00001	<0.00001
Pyrene		0.00015	<0.0001									<0.00001	0.00005	0.00009	0.00005	0.0000	0.00004	0.00011	0.00028	0.00030	0.00030
Naphthalene		0.0002	<0.0001									<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	0.00010	<0.0001	<0.0001
PAH, Total Detected USEPA 16		0.00093	<0.002									<0.00008	0.00020	0.00044	0.00023	0.0001	0.00011	0.00047	0.00200	0.00157	0.00157
Acenaphthylene		0.00001	<0.0001									<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001
Anthracene		0.00002	<0.0001									<0.00001	<0.00001	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	0.00004	<0.00001	<0.00001
Benzo(a)anthracene		<0.00001	<0.0001									<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00005	0.00002	0.00002
Benzo(g,h,i) perylene		<0.00001	<0.0001									<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00007	0.00003	0.00003
Benzo(a)pyrene		<0.00000	<0.0001									<0.00000	<0.00000	0.00002	0.00000	<0.00000	0.00001	0.00005	0.00004	0.00003	0.00003
Benzo(b)fluoranthene		<0.00001	<0.0001									<0.00001	<0.00001	0.00002	<0.00001	<0.00001	0.00001	0.00006	0.00005	0.00004	0.00004
Benzo(k)fluoranthene		<0.00001	<0.0001									<0.00001	<0.00001	0.00001	<0.00001	<0.00001	0.00001	0.00003	0.00002	0.00002	0.00002
Chrysene		<0.00001	<0.0001									<0.00001	<0.00001	0.00002	<0.00001	<0.00001	0.00001	0.00005	0.00005	0.00004	0.00004
BTEX																					
Benzene		<0.001	<0.001									<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene		<0.001	<0.001									<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene		<0.001	<0.001									<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene		<0.002										<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
o-Xylene		<0.001	<0.001									<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
m,p xylenes		<0.001	<0.001									<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total BTEX		<0.005										<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Concentration exceeds GAC	DS2404	DS2404	DS2405	DS2405	DS2405	DS2407	DS2407	DS2407	DS2407	DS2408	DS2408	DS2408	DS2502	DS2502	DS2502	DS2503	DS2503	DS2503	DS2504	DS2504	DS2504
Limit of Detection value exceeds GAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC	11/11/2024	26/03/2025	04/09/2024	31/10/2024	12/11/2024	29/10/2024	29/10/2024	12/11/2024	12/11/2024	29/10/2024	12/11/2024	26/03/2025	25/03/2025	01/04/2025	08/04/2025	26/03/2025	01/04/2025	08/04/2025	24/03/2025	01/04/2025	01/04/2025
VOC/SVOC																					
Methyl tertiary butyl ether (MTBE)		<0.001	<0.001									<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene																					
cis-1,3-Dichloropropene																					
trans-1,3-Dichloropropene																					
Propylbenzene																					
n-Butylbenzene																					
4-Chlorotoluene																					
1,4-Dichlorobenzene																					
1,2-Dibromoethane																					
1,2-Dichloroethane																					
1,3,5-Trimethylbenzene																					
Bromobenzene																					
Chlorobenzene																					
1,2,4-Trichlorobenzene																					
Dibromochloromethane																					
Tetrachloroethene																					
sec-Butylbenzene																					
1,3-Dichloropropane																					
cis-1,2-Dichloroethene																					
trans-1,2-Dichloroethene																					
1,3-Dichlorobenzene																					
Carbon tetrachloride																					
1,1-Dichloropropene																					
1,1,1,2-Tetrachloroethane																					
Chloroform																					
1,1,1-Trichloroethane																					
Bromomethane																					
Chloromethane																					
Dibromomethane																					
Bromochloromethane																					
Chloroethane																					
Vinyl chloride																					
Bromoform																					
Bromodichloromethane																					
1,1-Dichloroethane																					
1,1-Dichloroethene																					
Trichlorofluoromethane																					
Dichlorodifluoromethane																					
1,2-Dichloropropane																					
1,1,2-Trichloroethane																					
Trichloroethene																					
1,2,3-Trichlorobenzene																					
Hexachlorobutadiene																					
2-Chlorotoluene																					
1,2-Dichlorobenzene																					
1,2,4-Trimethylbenzene																					
1,2-Dibromo-3-chloropropane																					
1,2,3-Trichloropropane																					
tert-Butylbenzene																					
Isopropylbenzene																					
4-iso-Propyltoluene																					
1,3,5-Trichlorobenzene																					
2,2-Dichloropropane																					
Dichloromethane																					
Carbon disulphide																					
1,1,2,2-Tetrachloroethane																					
SVOC/SVOC																					
4-Nitrophenol																					
4-Bromophenylphenylether																					
2,4-Dimethylphenol																					
4-Methylphenol																					
bis(2-Chloroethyl)ether																					
bis(2-Chloroethoxy)methane																					
bis(2-Ethylhexyl) phthalate																					
n-Dioctyl phthalate																					
Hexachlorobenzene																					
2,4-Dichlorophenol																					
2,4-Dinitrotoluene																					
Dimethyl phthalate																					
Dibenzofuran																					
4-Chloro-3-methylphenol																					
2,6-Dinitrotoluene																					
n-Nitroso-n-dipropylamine																					
Hexachloroethane																					
Isophorone																					
Diethyl phthalate																					
n-Dibutyl phthalate																					
Butylbenzyl phthalate																					
Carbazole																					
2,4,6-Trichlorophenol																					
2-Nitrophenol																					
2-Methylnaphthalene																					
2-Chloronaphthalene																					
2-Methylphenol																					
2-Chlorophenol																					
2,4,5-Trichlorophenol																					
Nitrobenzene																					
Hexachlorocyclopentadiene																					
Pentachlorophenol																					
4-Nitroaniline																					
Azobenzene																					
4-Chloroaniline																					
Bis(2-Chloroisopropyl)Ether																					
2-Methyl-4,6-Dinitrophenol																					
N-Nitrosodimethylamine																					
4-Chlorophenylphenylether																					
2-Nitroaniline																					
3-Nitroaniline																					

Concentration exceeds GAC	DS2404	DS2404	DS2405	DS2405	DS2405	DS2407	DS2407	DS2407	DS2407	DS2408	DS2408	DS2408	DS2502	DS2502	DS2502	DS2503	DS2503	DS2503	DS2504	DS2504	DS2504
Limit of Detection value exceeds GAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC	11/11/2024	26/03/2025	04/09/2024	31/10/2024	12/11/2024	29/10/2024	29/10/2024	12/11/2024	12/11/2024	29/10/2024	12/11/2024	26/03/2025	25/03/2025	01/04/2025	08/04/2025	26/03/2025	01/04/2025	08/04/2025	24/03/2025	01/04/2025	01/04/2025
PFAS																					
Linear PFOS	0.000013	0.0000121		0.0000157	0.0000216	0.00000247	0.00000748	0.00000508	0.00000443	0.00000463	0.00000427	0.00000352	0.00000911	0.00000975	0.00000945	0.00000875	0.0000118	0.0000159	0.0000124	0.0000111	0.0000111
Branched PFOS	0.00000642	0.00000694		0.00000907	0.0000192	0.0000043	0.0000128	0.0000103	0.0000028	0.00000279	0.00000311	0.00000214	0.00000619	0.00000872	0.00000767	0.000013	0.0000154	0.000017	0.0000076	0.00000672	0.00000672
Total PFOS	0.0000194	0.000019		0.0000248	0.0000408	0.00000677	0.0000203	0.0000153	0.00000723	0.00000742	0.00000738	0.00000566	0.0000153	0.0000185	0.0000171	0.0000218	0.0000272	0.0000329	0.00002	0.0000178	0.0000178
PFOA	0.00000755	0.0000111		0.0000213	0.0000352	0.00000832	0.0000102	0.00003	0.0000129	0.0000138	0.0000126	0.0000063	0.0000249	0.0000269	0.0000382	0.00042	0.0000441	0.000571	0.0000203	0.0000185	0.0000185
PFEESA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
HFPO-DA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
HFPO-TA	<0.00001	<0.00001		<0.00001	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00001	<0.00001	<0.00001	<0.00003	<0.00003	<0.00001	<0.00001	<0.00001	<0.00001
PFecHS	0.00000195	0.00000354		0.00000109	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00000229	0.00000268	0.0000036	0.00000665	0.0000077	0.0000086	0.00000982	0.00000733	0.00000733
NFDHA	<0.00001	<0.00001		<0.00001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PFODA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
EtFOSE	<0.00001	<0.00001		<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
PFTrDS	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Perfluoroundecanoic acid	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MeFOSAA	0.00000423	0.00000349		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00000272	0.00000272
MeFOSE	<0.00001	<0.00001		<0.00001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00001	<0.00001	<0.00005	<0.00005	<0.00005	<0.00001	<0.00001	<0.00001	<0.00001
PFPA Perfluoronpentanoic acid	0.00000829	0.0000104		0.0000321	0.0000443	0.00000318	<0.00001	<0.00001	0.0000349	0.0000145	0.0000355	0.0000181	0.0000233	<0.00001	<0.00001	0.0000183	0.0000194	0.0000237	0.0000276	<0.00001	<0.00001
PFPeS (Perfluoro-1-pentanesulfonate)	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	0.00000385	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0000778	0.0000075	0.0000639	<0.00001	<0.00001	<0.00001
1H 1H 2H 2H-Perfluorooctanesulfonic acid	0.00000855	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00000621	<0.00001	<0.00001	<0.00001	0.0000056	<0.00001	<0.00001
EtFOSAA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
FBSA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	0.00000138	0.00000216	0.00000258	0.00000279	0.0000012	0.00000145	0.0000019	0.00000178	<0.00001	<0.00001	0.00000144	0.00000136	0.00000134	0.00000134
PFHxA Perfluoronhexanoic acid	0.00000936	0.00000685		0.0000253	0.0000301	0.00000302	0.0000107	0.0000164	0.0000166	0.00000847	0.0000162	0.00000733	0.0000157	0.0000019	0.0000238	0.000238	0.000248	0.000338	0.0000171	0.0000157	0.0000157
PFDoA Perfluorondodecanoic acid	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
N-MeFOSA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFDA Perfluorondecanoic acid	0.00000249	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00000226	0.00000242	0.00000207	0.00000222	0.00000231	0.00000222	0.00000255	<0.00001	<0.00001	<0.00001	0.00000294	0.00000386	0.00000386
PFDS	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
6:2 FTAB	0.0000174	0.0000155		<0.00001	<0.00005	<0.00001	<0.00005	<0.00001	0.0000877	0.0000665	0.0000771	0.000103	<0.00001	<0.00001	<0.00001	<0.00005	0.000053	0.000011	0.0000104	<0.00001	<0.00001
PFHxS Perfluoro-1-hexanesulfonate	0.00000601	0.00000177		0.00000924	0.0000179	0.00000774	0.0000322	0.0000204	0.0000021	0.00000207	0.00000199	<0.00001	0.00000384	0.00000434	0.0000106	0.000197	0.000201	0.000251	0.00000558	0.00000245	0.00000245
3:3 FTCA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFBA Perfluoronbutanoic acid	<0.00001	0.00000399		0.0000242	0.0000326	0.00000767	<0.00001	<0.00001	0.0000204	0.0000146	0.0000207	0.00000861	0.0000161	0.0000216	0.0000202	0.00012	0.000125	0.000218	0.00000988	<0.00001	<0.00001
PFBS Perfluoro-1-butanesulfonate	0.00000209	0.00000128		0.00000784	0.000012	0.00000162	<0.00001	0.00000567	0.00000442	0.00000559	0.00000523	0.00000252	0.00000596	0.00000613	0.00000959	0.0000756	0.0000732	0.0000853	0.00000454	0.00000384	0.00000384
PFHpA Perfluoronheptanoic acid	0.00000448	0.0000041		0.0000157	0.0000189	0.00000252	0.00000656	0.0000159	0.0000169	0.0000122	0.0000178	0.00000675	0.0000129	0.0000014	0.000018	0.00028	0.0000267	0.000298	0.00000844	0.00000787	0.00000787
PFHpS Perfluoro-1-heptanesulfonate	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00000226	<0.00001	<0.00001	<0.00001
PFNA Perfluorononanoic acid	0.00000148	0.00000168		0.00000284	0.00000676	0.00000112	<0.00001	0.00000149	0.00000272	0.00000213	0.00000263	0.00000241	0.00000319	0.00000315	0.00000463	<0.00001	<0.00001	0.00000265	0.00000232	0.00000258	0.00000258
PFTeA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFMOPrA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
8:2 FTS	0.00000215	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
N-EtFOSA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
FHxSA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	0.00000106	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFHxDA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFNS	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFTrDA	<0.00002	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001
PFUnDS	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFOSA Perfluoro-octanesulfonamide	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
9Cl-PF3ONS	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
4:2 FTS	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
11Cl-PF3OUdS	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFDoS	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
7:3 FTCA	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00001	<0.00001	<0.00001	<0.00001
PFMOBA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
5:3 FTCA	<0.00003	<0.00003		<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00001	<0.00001	<0.00001	<0.00001
ADONA	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total PFAS DWI 47		<0.00009										<0.00009	0.000127	0.00012	0.000156	0.00162	0.00166	0.00211	0.000135	<0.00009	<0.00009

Concentration exceeds GAC Limit of Detection value exceeds GAC Concentration exceeds saturation value but not GAC Concentration lower than Limit of Detection Contaminant Name	DS2504 0 08/04/2025 Concept 2025	DS2505 0 25/03/2025 Concept 2025	DS2505 0 01/04/2025 Concept 2025	DS2505 0 08/04/2025 Concept 2025	DS2506 0 25/03/2025 Concept 2025	DS2506 0 31/03/2025 Concept 2025	DS2506 0 08/04/2025 Concept 2025	DS2507 0 24/03/2025 Concept 2025	DS2507 0 01/04/2025 Concept 2025	DS2507 0 07/04/2025 Concept 2025	DS2508 0 24/03/2025 Concept 2025	DS2508 0 31/03/2025 Concept 2025	DS2508 0 07/04/2025 Concept 2025	DS2509 0 24/03/2025 Concept 2025	DS2509 0 31/03/2025 Concept 2025	DS2509 0 07/04/2025 Concept 2025	DS2509 0 07/04/2025 Concept 2025	DS2510 0 24/03/2025 Concept 2025	DS2510 0 01/04/2025 Concept 2025	DS2510 0 01/04/2025 Concept 2025	DS2510 0 07/04/2025 Concept 2025	DS2512 0 01/04/2025 Concept 2025
Metal/Metalloid																						
Chromium Hexavalent	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Lead	0.00249	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00032	<0.0002	<0.0002	<0.0002	<0.0002	0.00025	<0.0002	<0.0002	<0.0002	<0.0002	0.00051	0.00969	<0.0002	<0.0002
Mercury	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	1.00E+05	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00002	0.00002	0.00002	<0.00001
Nickel	0.00396	0.0027	0.00352	0.00388	0.00842	0.00842	0.00873	0.00934	0.00695	0.00564	0.0142	0.0136	0.0131	0.00761	0.00889	0.00928	<0.0004	0.0328	0.0335	0.0337	0.0334	<0.0004
Antimony	0.0017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0013	0.00123	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	0.0163	<0.0005	0.00066	0.00054	0.00197	0.00193	0.00186	0.013	0.0123	0.0104	0.0077	0.0085	0.00864	0.00112	0.00112	0.00135	<0.0005	0.0231	0.0218	0.0219	0.0222	<0.0005
Beryllium	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Cadmium	<0.00008	<0.00008	<0.00008	<0.00008	8.00E+05	<0.00008	8.00E+05	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.00012	0.00014	0.00013	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
Chromium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	0.00123	0.00185	0.00225	0.00199	0.00205	0.0024	0.00226	0.00102	0.00251	0.00227	<0.0003	<0.0003	<0.0003	0.00227	0.00226	0.00174	<0.0003	<0.0003	0.0003	0.0013	<0.0003	<0.0003
Vanadium	0.0135	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00857	0.0259	0.0269	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00148	0.00244	0.00244	0.00149	<0.001
Zinc	<0.001	0.00157	0.0173	0.00109	0.00215	0.00336	0.00227	<0.001	0.00212	0.00213	0.00112	0.00324	0.00607	0.00265	0.00473	0.00224	<0.001	0.00146	0.0016	0.00902	0.00113	0.00117
Calcium	44.1	84.9	90.1	86.1	94.5	91.5	91.9	47.1	44.8	45.8	38.8	38.2	38.8	36.2	39.7	45.1	54.5	37.3	45.8	48.6	47.5	57
Selenium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00211	0.00267	0.00211	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.0129	0.432	0.415	0.347	2.16	2.05	1.86	0.00366	0.00371	<0.003	1.71	1.58	1.64	0.316	0.378	0.524	<0.003	0.197	0.207	0.244	0.253	<0.003
Inorganic																						
pH value	7.78	7.52	7.43	7.45	7.24	7.19	5.15	10.7	11.4	11.3	7.7	7.65	7.83	8	7.75	7.78	7.91	8.92	9.5	9.52	9.41	7.9
Cyanide - total	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloride	21.2	19.2	17.1	18	46.7	42.8	43.1	75.9	56.7	55.3	75.8	74.3	74.3	64	68.7	79.6	8.2	71.6	68.3	71.2	65.9	8.2
Ammoniacal nitrogen (as N)	3.79	0.383	0.463	0.487	0.64	0.642	0.63	6.37	4.05	3.43	5.01	4.91	4.84	0.29	0.332	0.402	<0.2	7.49	7.82	8.29	7.59	<0.2
Ammonia (Free)																						
Dissolved organic carbon (DOC)	15.2	3.19	4.27	3.84	8.79	6.73	7.52	20	12.5	10.5	11.4	9.9	9.64	6.12	3.86	3.94	<3	13	14.6	13.7	12.1	<3
Hardness,Total as CaC03	113	244	261	231	279	265	259	119	129	120	107	113	114	98.4	109	130	200	100	125	142	142	199
Sulphate as SO4																						
Phenol and mineral oils																						
Phenol	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.06	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Phenol (Monohydric)	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.07	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.04	0.04	0.03	0.04	<0.016
Xylenols	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	0.02	0.02	0.01	0.02	<0.008
Cresols	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.01	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.02	0.02	0.02	0.02	<0.006
Phenols - total																						
Total petroleum hydrocarbons																						
Aliphatics >C5-6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C8-10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.011	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C10-12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.038	0.034	0.015	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aliphatics >C12-16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01
Aliphatics >C16-21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01
Aliphatics >C21-35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01
Aliphatics >C35-44																						
Aliphatics >C5-C44																						
Aromatics >C5-C7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C7-8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C10-12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.025	0.022		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aromatics >C12-16	0.0216	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.122	<0.2	0.0397	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.0179	<0.01	<0.02	<0.01	<0.01
Aromatics >C16-21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0117	<0.2	0.0141	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.22	0.0805	<0.02	0.0916	<0.01
Aromatics >C21-35	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.0466	<0.01	<0.02	<0.01	<0.01
Aromatics >C35-44																						
Aliphatics & Aromatics >C5-35	0.0216	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.227	<0.2	0.0898	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.3	0.0805	<0.01	0.0926	<0.01
Aliphatics & Aromatics >C5-44																						
Polycyclic aromatic hydrocarbons																						
Acenaphthene	0.00055	<0.00001	<0.00001	0.00001	0.00001	0.00016	0.00011	0.00114	0.001	0.0004	0.00011	0.00007	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	0.00024	0.00021	0.00024	<0.002	<0.00001
Dibenz(ah)anthracene	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Fluoranthene	0.00034	0.00010	0.00003	0.00001	0.00004	0.00007	0.00006	0.00023	0.00097	0.00021	0.00002	0.00002	0.00001	0.00001	0.00001	0.00001	<0.00001	0.0001	0.00011	0.00012	<0.002	<0.00001
Fluorene	0.00015	<0.00001	<0.00001	0.00001	<0.00001	0.00010	0.00006	0.00138	<0.00001	0.00001	0.00007	0.00002	<0.00001	0.00002	<0.00001	0.00002	<0.00001	0.00062	0.00037	0.00063	<0.002	<0.00001
Indeno(1,2,3-cd)pyrene	0.00003	0.00004	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Phenanthrene	0.00002	0.00006	0.00001	0.00002	<0.00001	0.00017	0.00006	0.00028	<0.00001	<0.00001	0.00006	0.00001	<0.00001	0.00002	<0.00001	0.00002	<0.00001	0.0009	0.00013	0.00071	<0.002	<0.00001
Pyrene	0.00027	0.00010	0.00004	0.00002	0.00005	0.00006	0.00005	0.00026	0.00103	0.00021	0.00009	0.00008	0.00004	0.00006	0.00006	0.00008	<0.00001	0.00011	0.00012	0.00014	<0.002	<0.00001
Naphthalene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00013	<0.0001	0.00029	<0.0001	<0.0001	0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0021	<0.0001	0.00147	<0.002	<0.0001
PAH, Total Detected USEPA 16	0.00153	0.00058	0.00009	<0.00008	0.00012	0.00071	0.00035	0.00374	0.00351	0.00085	0.00049	0.00021	<0.00008	0.00011	<0.00008	0.00013	<0.00008	0.00412	0.00096	0.00338	0.00079	<0.00008
Acenaphthylene	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00011	0.00003	0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00002	0.00001	0.00002	<0.002	<0.00001
Anthracene	0.00002	0.00001	<0.00001	<0.00001	<0.00001	0.00004	0.00001	0.00002	<0.00001	<0.00001	0.00002	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.00001	0.00002	<0.00001	<0.00001
Benzo(a)anthracene	0.00002	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo(g,h,i) perylene	0.00002	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Benzo(a)pyrene	0.00003	0.00005	0.00000	<0.00000	0.00001	<0.00000	<0.00000	0.00001	0.00006	<0.00000	<0.00000	<0.00001	<0.00001	<0.00000	<0.00000	<0.00000	<0.00000	<0.00000	0.00001	0.00001	<0.00000	<0.00000
Benzo(b)fluoranthene	0.00003	0.00007	0.00001	<0.00001	0.00001	<0.00001	<0.00001	0.00001	0.00006	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	<0.00001	<0.00001
Benzo(k)fluoranthene	0.00001	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Chrysene	0.00004	0.00005	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00016	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	0.00001	<0.00001	<0.00001
BTEX																						
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00223	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
o-Xylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
m,p xylenes	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total BTEX	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Concentration exceeds GAC	DS2504	DS2505	DS2505	DS2505	DS2506	DS2506	DS2506	DS2507	DS2507	DS2507	DS2508	DS2508	DS2508	DS2509	DS2509	DS2509	DS2509	DS2510	DS2510	DS2510	DS2510	DS2512
Limit of Detection value exceeds GAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC	08/04/2025	25/03/2025	01/04/2025	08/04/2025	25/03/2025	31/03/2025	08/04/2025	24/03/2025	01/04/2025	07/04/2025	24/03/2025	31/03/2025	07/04/2025	24/03/2025	31/03/2025	07/04/2025	07/04/2025	24/03/2025	01/04/2025	01/04/2025	07/04/2025	01/04/2025
VOC/SVOC																						
Methyl tertiary butyl ether (MTBE)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene																					<0.001	
cis-1,3-Dichloropropene																					<0.001	
trans-1,3-Dichloropropene																					<0.001	
Propylbenzene																					<0.001	
n-Butylbenzene																					<0.001	
4-Chlorotoluene																					<0.001	
1,4-Dichlorobenzene																					<0.002	
1,2-Dibromoethane																					<0.001	
1,2-Dichloroethane																					<0.001	
1,3,5-Trimethylbenzene																					<0.001	
Bromobenzene																					<0.001	
Chlorobenzene																					<0.001	
1,2,4-Trichlorobenzene																					**<0.002**	
Dibromochloromethane																					<0.001	
Tetrachloroethene																					<0.001	
sec-Butylbenzene																					<0.001	
1,3-Dichloropropane																					<0.001	
cis-1,2-Dichloroethene																					<0.001	
trans-1,2-Dichloroethene																					<0.001	
1,3-Dichlorobenzene																					<0.002	
Carbon tetrachloride																					<0.001	
1,1-Dichloropropene																					<0.001	
1,1,1,2-Tetrachloroethane																					<0.001	
Chloroform																					<0.001	
1,1,1-Trichloroethane																					<0.001	
Bromomethane																					<0.001	
Chloromethane																					<0.001	
Dibromomethane																					<0.001	
Bromochloromethane																					<0.001	
Chloroethane																					<0.001	
Vinyl chloride																					<0.001	
Bromoform																					<0.001	
Bromodichloromethane																					<0.001	
1,1-Dichloroethane																					<0.001	
1,1-Dichloroethene																					<0.001	
Trichlorofluoromethane																					<0.001	
Dichlorodifluoromethane																					<0.001	
1,2-Dichloropropane																					<0.001	
1,1,2-Trichloroethane																					<0.001	
Trichloroethene																					<0.001	
1,2,3-Trichlorobenzene																					**<0.001**	
Hexachlorobutadiene																					<0.002	
2-Chlorotoluene																					<0.001	
1,2-Dichlorobenzene																					<0.002	
1,2,4-Trimethylbenzene																					<0.001	
1,2-Dibromo-3-chloropropane																					<0.001	
1,2,3-Trichloropropane																					<0.001	
tert-Butylbenzene																					<0.001	
Isopropylbenzene																					<0.001	
4-iso-Propyltoluene																					<0.001	
1,3,5-Trichlorobenzene																					**<0.001**	
2,2-Dichloropropane																					<0.001	
Dichloromethane																					<0.003	
Carbon disulphide																					<0.001	
1,1,2,2-Tetrachloroethane																					<0.001	
SVOC/SVOC																						
4-Nitrophenol																					<0.002	
4-Bromophenylphenylether																					<0.002	
2,4-Dimethylphenol																					0.00503	
4-Methylphenol																					<0.002	
bis(2-Chloroethyl)ether																					<0.002	
bis(2-Chloroethoxy)methane																					<0.002	
bis(2-Ethylhexyl) phthalate																					**<0.004**	
n-Dioctyl phthalate																					<0.01	
Hexachlorobenzene																					<0.002	
2,4-Dichlorophenol																					<0.002	
2,4-Dinitrotoluene																					<0.002	
Dimethyl phthalate																					<0.002	
Dibenzofuran																					<0.002	
4-Chloro-3-methylphenol																					<0.002	
2,6-Dinitrotoluene																					<0.002	
n-Nitroso-n-dipropylamine																					<0.002	
Hexachloroethane																					<0.002	
Isophorone																					<0.002	
Diethyl phthalate																					<0.002	
n-Dibutyl phthalate																					<0.002	
Butylbenzyl phthalate																					<0.002	
Carbazole																					<0.002	
2,4,6-Trichlorophenol																					<0.002	
2-Nitrophenol																					<0.002	
2-Methylnaphthalene																					<0.002	
2-Chloronaphthalene																					<0.002	
2-Methylphenol																					<0.002	
2-Chlorophenol																					<0.002	
2,4,5-Trichlorophenol																					<0.002	
Nitrobenzene																					<0.002	
Hexachlorocyclopentadiene																					<0.002	
Pentachlorophenol																					**<0.002**	
4-Nitroaniline																					<0.002	
Azobenzene																					<0.002	
4-Chloroaniline																					<0.002	
Bis(2-Chloroisopropyl)Ether																						
2-Methyl-4,6-Dinitrophenol																						
N-Nitrosodimethylamine																						
4-Chlorophenylphenylether																					<0.002	
2-Nitroaniline																					<0.002	
3-Nitroaniline																					<0.002	

Concentration exceeds GAC	DS2504	DS2505	DS2505	DS2505	DS2506	DS2506	DS2506	DS2507	DS2507	DS2507	DS2508	DS2508	DS2508	DS2509	DS2509	DS2509	DS2509	DS2510	DS2510	DS2510	DS2510	DS2512
Limit of Detection value exceeds GAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC	08/04/2025	25/03/2025	01/04/2025	08/04/2025	25/03/2025	31/03/2025	08/04/2025	24/03/2025	01/04/2025	07/04/2025	24/03/2025	31/03/2025	07/04/2025	24/03/2025	31/03/2025	07/04/2025	07/04/2025	24/03/2025	01/04/2025	01/04/2025	07/04/2025	01/04/2025
PFAS																						
Linear PFOS	0.0000117	0.00000161	0.00000232	0.00000181	0.0000125	0.0000113	0.000013	0.0000155	0.000023	0.0000218	0.0000201	0.0000359	0.0000242	0.0000137	0.0000116	0.000022	<0.00003	0.0000133	0.0000229	0.0000247	0.0000121	<0.00003
Branched PFOS	0.00000634	0.00000123	0.00000176	0.00000122	0.0000171	0.0000153	0.0000133	0.0000148	0.0000161	0.0000188	0.0000138	0.0000233	0.0000116	0.00000782	0.00000948	0.0000166	<0.00003	0.0000163	0.0000277	0.0000302	0.0000153	<0.00003
Total PFOS	0.000018	0.00000284	0.00000409	0.00000303	0.0000296	0.0000266	0.0000263	0.0000303	0.0000391	0.0000406	0.0000339	0.0000592	0.0000358	0.0000216	0.000021	0.0000385	<0.00003	0.0000296	0.0000505	0.0000549	0.0000274	<0.00003
PFOA	0.000023	0.00000333	0.00000286	0.0000102	0.000217	0.000175	0.000225	0.0000915	0.000206	0.0000306	0.0000502	0.0000948	0.0000566	0.00000687	0.00000941	0.0000152	<0.00003	0.000012	0.0000231	0.0000256	0.0000201	<0.00003
PFEESA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
HFPO-DA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
HFPO-TA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00003	<0.00001	<0.00001	<0.00003	<0.00005	<0.00005	<0.00001	<0.00001	<0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFecHS	0.00000773	<0.00001	<0.00001	<0.00001	<0.00001	0.00000279	0.00000288	<0.00001	<0.00001	<0.00001	<0.00001	0.00000284	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
NFDHA	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	<0.00003	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00001	<0.00001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00001
PFODA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
EtFOSE	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00001	<0.00005	<0.0001	<0.0001	<0.00001	<0.00001	<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.00001
PFTrDS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Perfluoroundecanoic acid	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MeFOSAA	0.00000264	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MeFOSE	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.00001	<0.00001	<0.00005	<0.0001	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFPA Perfluoronpentanoic acid	<0.00001	0.0000101	0.00000767	0.0000115	0.0000631	0.0000601	0.0000692	0.0000347	<0.00001	<0.00001	0.0000807	0.000135	0.0000619	0.00000826	0.00000757	0.0000128	<0.00001	0.0000202	0.0000432	0.0000465	0.0000158	<0.00001
PFPeS (Perfluoro-1-pentanesulfonate)	<0.00001	<0.00001	<0.00001	<0.00001	0.0000273	0.0000223	0.0000187	0.0000147	<0.00001	0.0000102	0.00000526	0.00000865	0.00000656	<0.00001	<0.00001	0.00000136	<0.00001	0.00000109	0.00000181	0.00000242	<0.00001	<0.00001
1H 1H 2H 2H-Perfluorooctanesulfonic acid	0.00000728	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00000148	<0.00001	<0.00001	<0.00001	0.00000566	0.0000135	0.00000711	0.00000229	<0.00001	0.00000414	<0.00001	<0.00001	0.00000442	0.0000045	<0.00001	<0.00001
EtFOSAA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
FBSA	0.00000106	<0.00001	<0.00001	<0.00001	<0.00001	0.00000131	<0.00001	<0.00001	<0.00001	<0.00001	0.00000168	0.00000326	<0.00001	0.00000118	<0.00001	0.00000334	<0.00001	0.0000053	0.00000807	0.0000108	0.00000741	<0.00001
PFHxA Perfluoronhexanoic acid	0.0000215	0.00000479	0.00000558	0.00000637	0.0000687	0.0000655	0.0000767	0.0000511	0.0000127	0.0000194	0.0000392	0.0000818	0.0000428	0.00000359	0.00000482	0.00000503	<0.00001	0.00000948	0.0000192	0.0000216	0.0000139	<0.00001
PFDoA Perfluorondodecanoic acid	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
N-MeFOSA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFDA Perfluorondecanoic acid	0.00000337	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	0.00000258	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFDS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
6:2 FTAB	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.00001	<0.00001	<0.00005	<0.0001	<0.0001	0.0000128	<0.00001	<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.00001
PFHxS Perfluoro-1-hexanesulfonate	0.00000326	<0.00001	<0.00001	<0.00001	0.0000824	0.0000625	0.0000789	0.0000431	0.000011	0.0000147	0.0000205	0.0000305	0.0000202	0.00000708	0.00000599	0.00000806	<0.00001	0.0000119	0.0000113	0.0000196	0.0000086	<0.00001
3:3 FTCA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.000181	0.00017	0.000239	<0.00001	<0.00001
PFBA Perfluoronbutanoic acid	0.0000187	0.00000704	0.00000699	0.00000835	0.0000609	0.0000641	0.0000851	0.0000122	<0.00002	<0.00002	0.0000314	0.0000537	0.0000211	0.0000121	0.0000117	0.0000247	<0.00001	0.0000271	0.000033	0.0000306	<0.00001	<0.00001
PFBS Perfluoro-1-butanesulfonate	0.0000038	0.00000162	0.00000194	0.00000223	0.0000262	0.0000248	0.0000269	0.0000189	<0.00001	<0.00001	0.0000118	0.0000173	0.00000846	0.00000229	0.00000241	0.00000501	<0.00001	0.0000396	0.0000612	0.0000639	0.000028	<0.00001
PFHpA Perfluoronheptanoic acid	0.0000094	0.00000178	0.00000248	0.00000324	0.00008	0.0000728	0.0000854	0.0000471	0.0000145	0.000018	0.0000318	0.0000514	0.0000309	0.00000309	0.00000298	0.00000516	<0.00001	0.00000875	0.0000144	0.0000171	0.0000122	<0.00001
PFHpS Perfluoro-1-heptanesulfonate	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFNA Perfluorononanoic acid	0.00000222	<0.00001	<0.00001	0.00000109	<0.00001	0.00000179	0.00000267	<0.00001	<0.00001	<0.00001	0.00000236	0.00000469	<0.00001	0.00000111	0.0000015	0.00000198	<0.00001	0.00000159	0.00000277	<0.00001	<0.00001	<0.00001
PFTeA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFMOPrA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
8:2 FTS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
N-EtFOSA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
FHxSA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00000113	0.00000138	<0.00001	0.00000109	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFHxDA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFNS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFTrDA	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	<0.00003	<0.00001	<0.00001	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PFUnDS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFOSA Perfluoro-octanesulfonamide	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
9Cl-PF3ONS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
4:2 FTS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
11Cl-PF3OUdS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFDoS	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00002	<0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
7:3 FTCA	<0.00001	<0.00001	<0.00001	<0.00003	<0.00003	<0.00001	<0.00001	<0.00003	<0.00005	<0.00005	<0.00001	<0.00001	<0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00003	<0.00003	<0.00003	<0.00003	<0.00001
PFMOBA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
5:3 FTCA	<0.00001	<0.00001	<0.00001	<0.00003	<0.00003	<0.00003	<0.00003	<0.00005	<0.00005	<0.00005	<0.00001	<0.00001	<0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00003	<0.00003	<0.00003	<0.00003	<0.00001
ADONA	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total PFAS DWI 47	0.000122	<0.00009	<0.00009	<0.00009	0.000656	0.000579	0.000699	<0.00045	<0.0009	<0.0009	0.000316	<0.00009	<0.00045	<0.00009	<0.00009	0.000125	<0.00009	0.000348	<0.00009	<0.00009	<0.00045	<0.00009

Concentration exceeds GAC		100					Hole Ref	CP105	CP105	CP105	CP105	CP105	BH2407	BH2407	BH2407	BH2407	BH2407
Limit of Detection value exceeds GAC		<0.1					Sample Depth (mbgl)	1.449	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC		50					Sample Date		10/09/2024	30/10/2024	11/11/2024	25/03/2025	10/09/2024	09/09/2024	30/10/2024	11/11/2024	26/03/2025
Concentration lower than Limit of Detection		< 0.1					Investigation	DS-2024	Concept 2024	Concept 2024	Concept 2024	Concept 2025	Concept 2024	Concept 2024	Concept 2024	Concept 2024	Concept 2025
Contaminant Name	**GAC**	**GAC Source**	**Units**	**Total > LOD**	**Total > GAC**	**Min**	**Max**										
Metal/Metalloid																	
Chromium Hexavalent	0.0034	EQS	mg/l	0 of 6	0	<0.003	<0.02	<0.005	<0.02			<0.003	<0.02	<0.02			<0.003
Lead	0.00833	Arup	mg/l	2 of 6	0	<0.0002	0.00079	<0.0002	<0.0005			<0.0002	0.00079	<0.0005			0.00022
Mercury		-	mg/l	1 of 6	No GAC	<0.00001	0.00011	<0.00001	0.00011			<0.00001	<0.00005	<0.00005			<0.00001
Nickel	0.0168	Arup	mg/l	6 of 6	2	0.0034	0.0372	0.0057	0.0034			0.00562	0.011	0.034			0.0372
Antimony		-	mg/l	1 of 5	No GAC	<0.0005	<0.001		0.00052			<0.001	<0.0005	<0.0005			<0.001
Arsenic	0.05	EQS	mg/l	6 of 6	0	0.003	0.0109	0.0109	0.01			0.00316	0.006	0.003			0.00585
Beryllium		-	mg/l	0 of 5	No GAC	<0.0001	<0.001		<0.001			<0.0001	<0.001	<0.001			<0.0001
Cadmium	0.00008	EQS	mg/l	1 of 6	1	<0.00008	0.00013	<0.00008	<0.00011			<0.00008	0.00013	<0.00011			<0.00008
Chromium	0.0047	EQS	mg/l	4 of 6	0	0.00058	0.0026	0.0016	0.00085			<0.001	0.00058	0.0026			<0.001
Copper	0.0296	Arup	mg/l	5 of 6	0	<0.0003	0.0066	0.0066	0.0043			0.00148	0.0066	0.0007			<0.0003
Vanadium	0.02	EQS	mg/l	1 of 5	1	<0.0005	0.29		0.29			<0.001	<0.0005	<0.0005			<0.001
Zinc	0.0379	Arup	mg/l	6 of 6	0	0.00327	0.017	0.0041	0.0063			0.00327	0.017	0.0053			0.00352
Calcium		-	mg/l	5 of 5	No GAC	60	140		140			82.6	60	120			131
Selenium	0.01	UK DWS (2016)	mg/l	2 of 5	1	<0.0005	0.17		0.17			<0.001	<0.0005	0.0011			<0.001
Manganese	0.408	EQS	mg/l	5 of 5	4	0.00065	2.14		0.00065			0.87	0.82	1.7			2.14
Inorganic																	
pH value	No GAC	EQS*	pH Units	10 of 10	No GAC	7.2	11.9	7.8	11.4	7.86	7.75	7.96	11.9	8	7.33	7.2	7.4
Cyanide - total	0.001	EQS	mg/l	0 of 5	0	<0.05	<0.05		<0.05			<0.05	<0.05	<0.05			<0.05
Chloride	250	EQS	mg/l	5 of 5	1	54	410		410			62.9	54	93			101
Ammoniacal nitrogen (as N)	0.3	EQS	mg/l	6 of 6	6	0.51	3.8	3.7	0.51			2.78	3.8	1.2			1.52
Ammonia (Free)	No GAC	-	mg/l	3 of 3	No GAC	0.063	3.8		0.51				3.8	0.063			
Dissolved organic carbon (DOC)	No GAC	-	mg/l	9 of 9	No GAC	5.7	11.2		9.6	10.7	11.2	7.4	7.9	5.7	6.71	6.92	7.83
Hardness,Total as CaC03	No GAC	-	mg/l	9 of 9	No GAC	180	384		340	213	222	250	180	330	354	384	378
Sulphate as SO4	400	EQS*	mg/l	2 of 2	0	21	250		250				21				
Phenol and mineral oils																	
Phenol	0.0077	EQS	mg/l	0 of 4	0	<0.0005	<0.002	<0.002				<0.002		<0.0005			<0.002
Phenol (Monohydric)	0.0077	EQS	mg/l	0 of 3	0	<0.016	<0.016	<0.016				<0.016					<0.016
Xylenols	No GAC	-	mg/l	0 of 3	No GAC	<0.008	<0.008	<0.008				<0.008					<0.008
Cresols	No GAC	-	mg/l	0 of 3	No GAC	<0.006	<0.006	<0.006				<0.006					<0.006
Phenols - total	0.0077	EQS	mg/l	0 of 3	0	<0.03	<0.03		<0.03				<0.03	<0.03			
Total petroleum hydrocarbons																	
Aliphatics >C5-6	15	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C6-8	15	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C8-10	0.3	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C10-12	0.3	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C12-16	0.3	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C16-21	No GAC	-	mg/l	0 of 5	No GAC	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C21-35	No GAC	-	mg/l	0 of 5	No GAC	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C35-44	No GAC	-	mg/l	0 of 3	No GAC	<0.0001	<0.0001		<0.0001				<0.0001	<0.0001			
Aliphatics >C5-C44	No GAC	-	mg/l	0 of 3	No GAC	<0.005	<0.005		<0.005				<0.005	<0.005			
Aromatics >C5-C7	No GAC	-	mg/l	0 of 5	No GAC	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C7-8	0.7	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C8-10	0.3	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C10-12	0.09	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C12-16	0.09	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C16-21	0.09	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C21-35	0.09	WHO	mg/l	0 of 5	0	<0.0001	<0.01		<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C35-44	No GAC	-	mg/l	0 of 3	No GAC	<0.0001	<0.0001		<0.0001				<0.0001	<0.0001			
Aliphatics & Aromatics >C5-35	No GAC	-	mg/l	0 of 2	No GAC	<0.01	<0.01					<0.01					<0.01
Aliphatics & Aromatics >C5-44	No GAC	-	mg/l	0 of 3	No GAC	<0.005	<0.005		<0.005				<0.005	<0.005			
Polycyclic aromatic hydrocarbons																	
Acenaphthene	No GAC	-	mg/l	1 of 5	No GAC	<0.00001	<0.0005		<0.0001			0.00002	<0.0001	<0.0005			<0.00001
Dibenz(ah)anthracene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005		<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Fluoranthene	6.3E-06	EQS	mg/l	1 of 5	1	<0.00001	<0.0005		<0.0001			0.00001	<0.0001	<0.0005			<0.00001
Fluorene	No GAC	-	mg/l	1 of 5	No GAC	<0.00001	<0.0005		<0.0001			0.00001	<0.0001	<0.0005			<0.00001
Indeno(1,2,3-cd)pyrene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005		<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Phenanthrene	No GAC	-	mg/l	1 of 5	No GAC	<0.00001	<0.0005		<0.0001			0.00001	<0.0001	<0.0005			<0.00001
Pyrene	No GAC	-	mg/l	2 of 5	No GAC	0.00001	<0.0005		<0.0001			0.00001	<0.0001	<0.0005			0.00002
Naphthalene	0.002	EQS	mg/l	0 of 5	0	<0.0001	<0.0005		<0.0001			<0.0001	<0.0001	<0.0005			<0.0001
PAH, Total Detected USEPA 16	No GAC	-	mg/l	0 of 5	No GAC	<0.00008	<0.002		<0.002			<0.00008	<0.002	<0.002			<0.00008
Acenaphthylene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005		<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Anthracene	0.0001	EQS	mg/l	0 of 5	0	<0.00001	<0.0005		<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Benzo(a)anthracene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005		<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Benzo(g,h,i) perylene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005		<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Benzo(a)pyrene	1.7E-07	EQS	mg/l	0 of 5	0	<0.00001	<0.0005		<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Benzo(b)fluoranthene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005		<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Benzo(k)fluoranthene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005		<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Chrysene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005		<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
BTEX																	
Benzene	0.01	EQS	mg/l	0 of 6	0	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001			<0.001
Toluene	0.074	EQS	mg/l	0 of 6	0	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001			<0.001
Ethylbenzene	0.02	EQS*	mg/l	0 of 6	0	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001			<0.001
Xylene	0.03	EQS*	mg/l	0 of 3	0	<0.002	<0.002	<0.002				<0.002					<0.002
o-Xylene	0.03	EQS*	mg/l	0 of 6	0	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001			<0.001
m,p xylenes	0.03	EQS*	mg/l	0 of 6	0	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001			<0.001
Total BTEX	No GAC	-	mg/l	0 of 3	No GAC	<0.005	<0.005	<0.005				<0.005					<0.005

Concentration exceeds GAC		100					Hole Ref	CP105	CP105	CP105	CP105	CP105	BH2407	BH2407	BH2407	BH2407	BH2407
Limit of Detection value exceeds GAC		<0.1					Sample Depth (mbgl)	1.449	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC		50					Sample Date		10/09/2024	30/10/2024	11/11/2024	25/03/2025	10/09/2024	09/09/2024	30/10/2024	11/11/2024	26/03/2025
VOC/SVOC																	
Methyl tertiary butyl ether (MTBE)	No GAC	-	mg/l	0 of 5	No GAC	<0.001	<0.001		<0.001			<0.001	<0.001	<0.001			<0.001
Styrene	0.05	EQS*	mg/l	0 of 1	0	<0.001	<0.001							<0.001			
cis-1,3-Dichloropropene	No GAC	-	mg/l	0 of 1	No GAC	<0.01	<0.01							<0.01			
trans-1,3-Dichloropropene	No GAC	-	mg/l	0 of 1	No GAC	<0.01	<0.01							<0.01			
Propylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
n-Butylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
4-Chlorotoluene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,4-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.001	<0.001							<0.001			
1,2-Dibromoethane	No GAC	-	mg/l	0 of 1	No GAC	<0.005	<0.005							<0.005			
1,2-Dichloroethane	0.01	EQS	mg/l	0 of 1	0	<0.002	<0.002							<0.002			
1,3,5-Trimethylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
Bromobenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
Chlorobenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,2,4-Trichlorobenzene	0.0004	EQS	mg/l	0 of 1	0	<0.001	<0.001							<0.001			
Dibromochloromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.01	<0.01							<0.01			
Tetrachloroethene	0.01	EQS	mg/l	0 of 1	0	<0.001	<0.001							<0.001			
sec-Butylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,3-Dichloropropane	No GAC	-	mg/l	0 of 1	No GAC	<0.002	<0.002							<0.002			
cis-1,2-Dichloroethene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
trans-1,2-Dichloroethene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,3-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.001	<0.001							<0.001			
Carbon tetrachloride	0.012	EQS	mg/l	0 of 1	0	<0.001	<0.001							<0.001			
1,1-Dichloropropene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,1,1,2-Tetrachloroethane	No GAC	-	mg/l	0 of 1	No GAC	<0.002	<0.002							<0.002			
Chloroform	0.0025	EQS	mg/l	0 of 1	0	<0.001	<0.001							<0.001			
1,1,1-Trichloroethane	0.1	EQS*	mg/l	0 of 1	0	<0.001	<0.001							<0.001			
Bromomethane	No GAC	-	mg/l	0 of 1	No GAC	<0.005	<0.005							<0.005			
Chloromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
Dibromomethane	0.02	EQS	mg/l	0 of 1	0	<0.01	<0.01							<0.01			
Bromochloromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.005	<0.005							<0.005			
Chloroethane	No GAC	-	mg/l	0 of 1	No GAC	<0.002	<0.002							<0.002			
Vinyl chloride	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
Bromoform	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
Bromodichloromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.005	<0.005							<0.005			
1,1-Dichloroethane	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,1-Dichloroethene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
Trichlorofluoromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
Dichlorodifluoromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,2-Dichloropropane	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,1,2-Trichloroethane	0.4	EQS*	mg/l	0 of 1	0	<0.01	<0.01							<0.01			
Trichloroethene	0.01	EQS	mg/l	0 of 1	0	<0.001	<0.001							<0.001			
1,2,3-Trichlorobenzene	0.0004	EQS	mg/l	0 of 1	0	<0.002	<0.002							<0.002			
Hexachlorobutadiene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
2-Chlorotoluene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,2-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.001	<0.001							<0.001			
1,2,4-Trimethylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,2-Dibromo-3-chloropropane	No GAC	-	mg/l	0 of 1	No GAC	<0.05	<0.05							<0.05			
1,2,3-Trichloropropane	No GAC	-	mg/l	0 of 1	No GAC	<0.05	<0.05							<0.05			
tert-Butylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
Isopropylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
4-iso-Propyltoluene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001							<0.001			
1,3,5-Trichlorobenzene	0.0004	EQS	mg/l	0 of 0	0												
2,2-Dichloropropane	No GAC	-	mg/l	0 of 0	No GAC												
Dichloromethane	0.02	EQS	mg/l	0 of 0	0												
Carbon disulphide	No GAC	-	mg/l	0 of 0	No GAC												
1,1,2,2-Tetrachloroethane	0.14	EQS	mg/l	0 of 0	0												
SVOC/SVOC																	
4-Nitrophenol	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
4-Bromophenylphenylether	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
2,4-Dimethylphenol	0.1	EQS*	mg/l	1 of 2	0	<0.0005	0.00503	0.00503						<0.0005			
4-Methylphenol	0.1	EQS*	mg/l	0 of 2	0	<0.0005	<0.002	<0.002						<0.0005			
bis(2-Chloroethyl)ether	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
bis(2-Chloroethoxy)methane	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
bis(2-Ethylhexyl) phthalate	0.0013	EQS	mg/l	0 of 2	0	<0.0005	<0.004	<0.004						<0.0005			
n-Dioctyl phthalate	0.02	EQS*	mg/l	0 of 2	0	<0.0005	<0.01	<0.01						<0.0005			
Hexachlorobenzene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
2,4-Dichlorophenol	0.0042	EQS	mg/l	0 of 2	0	<0.0005	<0.002	<0.002						<0.0005			
2,4-Dinitrotoluene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
Dimethyl phthalate	0.8	EQS*	mg/l	0 of 2	0	<0.0005	<0.002	<0.002						<0.0005			
Dibenzofuran	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
4-Chloro-3-methylphenol	0.04	EQS*	mg/l	0 of 2	0	<0.0005	<0.002	<0.002						<0.0005			
2,6-Dinitrotoluene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
n-Nitroso-n-dipropylamine	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
Hexachloroethane	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
Isophorone	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
Diethyl phthalate	0.2	EQS*	mg/l	0 of 2	0	<0.0005	<0.002	<0.002						<0.0005			
n-Dibutyl phthalate	0.008	EQS*	mg/l	0 of 2	0	<0.0005	<0.002	<0.002						<0.0005			
Butylbenzyl phthalate	0.0075	EQS	mg/l	0 of 2	0	<0.0005	<0.002	<0.002						<0.0005			
Carbazole	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
2,4,6-Trichlorophenol	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
2-Nitrophenol	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
2-Methylnaphthalene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
2-Chloronaphthalene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
2-Methylphenol	0.1	EQS*	mg/l	0 of 2	0	<0.0005	<0.002	<0.002						<0.0005			
2-Chlorophenol	0.05	EQS*	mg/l	0 of 2	0	<0.0005	<0.002	<0.002						<0.0005			
2,4,5-Trichlorophenol	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
Nitrobenzene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002	<0.002						<0.0005			
Hexachlorocyclopentadiene	No GAC	-	mg/l	0 of 1	No GAC	<0.002	<0.002	<0.002									
Pentachlorophenol	0.0004	EQS	mg/l	0 of 1	0	<0.002	<0.002	<0.002									
4-Nitroaniline			mg/l	0 of 1	No GAC	<0.0005	<0.0005							<0.0005			
Azobenzene			mg/l	0 of 1	No GAC	<0.0005	<0.0005							<0.0005			
4-Chloroaniline			mg/l	0 of 1	No GAC	<0.0005	<0.0005							<0.0005			
Bis(2-Chloroisopropyl)Ether			mg/l	0 of 1	No GAC	<0.0005	<0.0005							<0.0005			
2-Methyl-4,6-Dinitrophenol			mg/l	0 of 1	No GAC	<0.0005	<0.0005							<0.0005			
N-Nitrosodimethylamine			mg/l	0 of 1	No GAC	<0.0005	<0.0005							<0.0005			
4-Chlorophenylphenylether			mg/l	0 of 1	No GAC	<0.0005	<0.0005							<0.0005			
2-Nitroaniline			mg/l	0 of 1	No GAC	<0.0005	<0.0005							<0.0005			
3-Nitroaniline			mg/l	0 of 1	No GAC	<0.0005	<0.0005							<0.0005			

Concentration exceeds GAC		100						Hole Ref	CP105	CP105	CP105	CP105	CP105	BH2407	BH2407	BH2407	BH2407	BH2407
Limit of Detection value exceeds GAC		<0.1						Sample Depth (mbgl)	1.449	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC		50						Sample Date		10/09/2024	30/10/2024	11/11/2024	25/03/2025	10/09/2024	09/09/2024	30/10/2024	11/11/2024	26/03/2025
PFAS																		
Total PFAS DWI 47	100	EQS	ng/l	0 of 0	0													
Sum of detected PFAS	100	EQS	ng/l	8 of 8	7	29.74	705.62			640	545.5	705.62	402.95	180		29.74	403.94	264.91
PFBA	22	EQS	ng/l	8 of 8	5	3.18	82.5			60	62.8	82.5	30.6	20		3.18	25.5	15
PFMOPrA			ng/l	0 of 6	No GAC	<1	<1				<1	<1	<1			<1	<1	<1
3:3 FTCA			ng/l	0 of 6	No GAC	<2	<2				<2	<2	<2			<2	<2	<2
PFPA			ng/l	6 of 6	No GAC	6.07	96.7				76.8	96.7	71			6.07	41	48.3
PFMOBA			ng/l	0 of 6	No GAC	<1	<1				<1	<1	<1			<1	<1	<1
4:2 FTS			ng/l	0 of 8	No GAC	<1	<50			<50	<1	<1	<1	<50		<1	<1	<1
NFDHA			ng/l	0 of 6	No GAC	<3	<3				<3	<3	<3			<3	<3	<3
PFBS	1300	EQS	ng/l	6 of 8	0	1.23	22.9			<20	19.2	22.9	10.7	<20		1.23	10.1	7.54
PFHxA	130	EQS	ng/l	8 of 8	0	3.62	110			110	65.6	92.4	46.6	40		3.62	20.3	18.9
HFPO-DA			ng/l	0 of 6	No GAC	<2	<2				<2	<2	<2			<2	<2	<2
PFEESA			ng/l	0 of 6	No GAC	<1	<1				<1	<1	<1			<1	<1	<1
PFHpA	1.3	EQS	ng/l	7 of 8	7	1.370000	78.4			50	70.8	78.4	43.3	<20		1.37	13.1	12.1
PFPeS	2.2	EQS	ng/l	4 of 8	3	<1	22.1			<20	16.3	22.1	6.63	<20		<1	1.75	<1
5:3 FTCA			ng/l	0 of 6	No GAC	<5	<5				<5	<5	<5			<5	<5	<5
ADONA			ng/l	0 of 8	No GAC	<1	<20			<20	<1	<1	<1	<20		<1	<1	<1
6:2 FTS			ng/l	7 of 8	No GAC	<1	120			70	4.06	5.29	37.1	120		<1	5.25	1.02
FBSA			ng/l	4 of 6	No GAC	<1	2.53				2.53	2.02	<1			<1	2.18	1.32
Linear PFOA			ng/l	1 of 2	No GAC	<20	100			100				<20				
Branched PFOA			ng/l	1 of 2	No GAC	<20	<20			20				<20				
Total PFOA	1.3	EQS	ng/l	7 of 8	6	1.21	186			120	136	186	85	<40		1.21	14.8	13.1
PFHxS	2.17	EQS	ng/l	7 of 8	6	1.78	61.4			20	45.4	61.4	29.6	<20		1.78	30.8	20.8
PFNA	0.13	EQS	ng/l	6 of 8	6	1.24	<20			<20	2.46	2.9	2.08	<20		1.24	1.32	1.67
PFecHS			ng/l	3 of 6	No GAC	<1	2.72				2.55	2.72	2.08			<1	<1	<2
PFHpS	0.65	EQS	ng/l	3 of 8	3	<1	<20			<20	<1	1.09	<1	<20		<1	1.84	1.26
8:2 FTS			ng/l	1 of 8	No GAC	<2	<100			<100	<2	<2	4.66	<100		<2	<2	<2
HFPO-TA			ng/l	0 of 6	No GAC	<5	<5				<5	<5	<5			<5	<5	<5
PFDA	0.13	EQS	ng/l	0 of 8	0	<2	<20			<20	<2	<2	<2	<20		<2	<2	<2
MeFOSAA			ng/l	0 of 8	No GAC	<2	<100			<100	<2	<2	<2	<100		<2	<2	<2
7:3 FTCA			ng/l	0 of 6	No GAC	<5	<5				<5	<5	<5			<5	<5	<5
Linear PFOS			ng/l	6 of 8	No GAC	2.54	62.8			<20	10.3	13.5	9.03	<20		2.54	62.8	33.7
Branched PFOS			ng/l	6 of 8	No GAC	2.48	55.2			<20	10.2	11.1	7.77	<20		2.48	55.2	28.3
Total PFOS	0.65	EQS	ng/l	6 of 8	6	5.02	118			<40	20.5	24.6	16.8	<40		5.02	118	61.9
EtFOSAA			ng/l	0 of 8	No GAC	<2	<30			<30	<2	<2	<2	<30		<2	<2	<2
PFUnA	0.33	EQS	ng/l	0 of 8	0	<2	<20			<20	<2	<2	<2	<20		<2	<2	<2
9Cl-PF3ONS			ng/l	0 of 8	No GAC	<1	<20			<20	<1	<1	<1	<20		<1	<1	<1
PFNS			ng/l	0 of 6	No GAC	<1	<1				<1	<1	<1			<1	<1	<1
FHxSA			ng/l	0 of 6	No GAC	<1	<1				<1	<1	<1			<1	<1	<1
PFDoA			ng/l	0 of 8	No GAC	<2	<20			<20	<2	<2	<2	<20		<2	<2	<2
PFDS			ng/l	0 of 8	No GAC	<2	<20			<20	,2	<2	<2	<20		<2	<2	<2
PFTrDA	0.43	EQS	ng/l	0 of 8	0	<3	<20			<20	<3	<3	<3	<20		<3	<3	<3
11Cl-PF3OUdS			ng/l	0 of 6	No GAC	<2	<2				<2	<2	<2			<2	<2	<2
PFUnDS			ng/l	0 of 6	No GAC	<2	<2				<2	<2	<2			<2	<2	<2
PFTeA			ng/l	0 of 8	No GAC	<1	<20			<20	<1	<1	<1	<20		<1	<1	<1
PFOSA			ng/l	0 of 8	No GAC	<2	<20			<20	<2	<2	<2	<20		<2	<2	<2
PFDoS			ng/l	0 of 6	No GAC	<2	<2				<2	<2	<2			<2	<2	<2
PFTrDS			ng/l	0 of 6	No GAC	<1	<1				<1	<1	<1			<1	<1	<1
PFHxDA	65	EQS	ng/l	0 of 8	0	<1	<20			<20	<1	<1	<1	<20		<1	,1	,2
MeFOSE			ng/l	0 of 6	No GAC	<10	<10				<10	<10	<10			<10	<10	<10
MeFOSA (N-MeFOSA)			ng/l	0 of 8	No GAC	<1	<50			<50	<1	<1	<1	<50		<1	<1	<1
EtFOSE			ng/l	0 of 6	No GAC	<10	<10				<10	<10	<10			<10	<10	<10
PFODA	65	EQS	ng/l	0 of 8	0	<1	<20			<20	<1	<1	<1	<20		<1	<1	<1
EtFOSA (N-EtFOSA)			ng/l	0 of 8	No GAC	<1	<50			<50	<1	<1	<1	<50		<1	<1	<1
6:2 FTAB			ng/l	0 of 6	No GAC	<10	<10				<10	<10	<10			<10	<10	<10
PFPeA			ng/l	1 of 2	No GAC	<20	90			90				<20				
10:2 FTS			ng/l	0 of 2	No GAC	<50	<50			<50				<50				
HPFHpA			ng/l	0 of 2	No GAC	<500	<500			<500				<500				
4H-PFUnDA			ng/l	0 of 2	No GAC	<50	<50			<50				<50				
8:2 FTUCA			ng/l	0 of 2	No GAC	<50	<50			<50				<50				
MeFBSA			ng/l	0 of 2	No GAC	<20	<20			<20				<20				
P37DMOA			ng/l	0 of 2	No GAC	<500	<500			<500				<500				
PFBSA			ng/l	0 of 2	No GAC					<20				<20				
MeFBSAA			ng/l	0 of 2	No GAC	<20	<20			<20				<20				
8:2 DiPAP			ng/l	0 of 2	No GAC	<100	<100			<100				<100				

Concentration exceeds GAC	100
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50
Concentration lower than Limit of Detection	< 0.1

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Hole Ref	CP105	CP105	CP105	CP105	CP105	BH2402	BH2407	BH2407	BH2407	BH2407
								Sample Depth (mbgl)	1.449	0	0	0	0	0	0	0	0	0
								Sample Date		10/09/2024	30/10/2024	11/11/2024	25/03/2025	10/09/2024	09/09/2024	30/10/2024	11/11/2024	26/03/2025
								Investigation	DS-2024	Concept 2024	Concept 2024	Concept 2024	Concept 2025	Concept 2024	Concept 2024	Concept 2024	Concept 2024	Concept 2025
Metal/Metalloid																		
Chromium Hexavalent	0.0034	EQS	mg/l	0 of 6	0	<0.003	<0.02		<0.005	<0.02			<0.003	<0.02	<0.02			<0.003
Lead	0.00833	Arup	mg/l	2 of 6	0	<0.0002	0.00079		<0.0002	<0.0005			<0.0002	0.00079	<0.0005			0.00022
Mercury		-	mg/l	1 of 6	No GAC	<0.00001	0.00011		<0.00001	0.00011			<0.00001	<0.00005	<0.00005			<0.00001
Nickel	0.0168	Arup	mg/l	6 of 6	2	0.0034	0.0372		0.0057	0.0034			0.00562	0.011	0.034			0.0372
Antimony		-	mg/l	1 of 5	No GAC	<0.0005	<0.001			0.00052			<0.001	<0.0005	<0.0005			<0.001
Arsenic	0.05	EQS	mg/l	6 of 6	0	0.003	0.0109		0.0109	0.01			0.00316	0.006	0.003			0.00585
Beryllium		-	mg/l	0 of 5	No GAC	<0.0001	<0.001			<0.001			<0.0001	<0.001	<0.001			<0.0001
Cadmium	0.00008	EQS	mg/l	1 of 6	1	<0.00008	0.00013		<0.00008	<0.00011			<0.00008	0.00013	<0.00011			<0.00008
Chromium	0.0047	EQS	mg/l	4 of 6	0	0.00058	0.0026		0.0016	0.00085			<0.001	0.00058	0.0026			<0.001
Copper	0.0296	Arup	mg/l	5 of 6	0	<0.0003	0.0066		0.0066	0.0043			0.00148	0.0066	0.0007			<0.0003
Vanadium	0.02	EQS	mg/l	1 of 5	1	<0.0005	0.29			0.29			<0.001	<0.0005	<0.0005			<0.001
Zinc	0.0379	Arup	mg/l	6 of 6	0	0.00327	0.017		0.0041	0.0063			0.00327	0.017	0.0053			0.00352
Calcium		-	mg/l	5 of 5	No GAC	60	140			140			82.6	60	120			131
Selenium	0.01	UK DWS (2016)	mg/l	2 of 5	1	<0.0005	0.17			0.17			<0.001	<0.0005	0.0011			<0.001
Manganese	0.408	EQS	mg/l	5 of 5	4	0.00065	2.14			0.00065			0.87	0.82	1.7			2.14
Inorganic																		
pH value	No GAC	EQS*	pH Units	10 of 10	No GAC	7.2	11.9		7.8	11.4	7.86	7.75	7.96	11.9	8	7.33	7.2	7.4
Cyanide - total	0.001	EQS	mg/l	0 of 5	0	<0.05	<0.05			<0.05			<0.05	<0.05	<0.05			<0.05
Chloride	250	EQS	mg/l	5 of 5	1	54	410			410			62.9	54	93			101
Ammoniacal nitrogen (as N)	0.3	EQS	mg/l	6 of 6	6	0.51	3.8		3.7	0.51			2.78	3.8	1.2			1.52
Ammonia (Free)	No GAC	-	mg/l	3 of 3	No GAC	0.063	3.8			0.51				3.8	0.063			
Dissolved organic carbon (DOC)	No GAC	-	mg/l	9 of 9	No GAC	5.7	11.2			9.6	10.7	11.2	7.4	7.9	5.7	6.71	6.92	7.83
Hardness,Total as CaC03	No GAC	-	mg/l	9 of 9	No GAC	180	384			340	213	222	250	180	330	354	384	378
Sulphate as SO4	400	EQS*	mg/l	2 of 2	0	21	250			250				21				
Phenol and mineral oils																		
Phenol	0.0077	EQS	mg/l	0 of 4	0	<0.0005	<0.002		<0.002				<0.002		<0.0005			<0.002
Phenol (Monohydric)	0.0077	EQS	mg/l	0 of 3	0	<0.016	<0.016		<0.016				<0.016					<0.016
Xylenols	No GAC	-	mg/l	0 of 3	No GAC	<0.008	<0.008		<0.008				<0.008					<0.008
Cresols	No GAC	-	mg/l	0 of 3	No GAC	<0.006	<0.006		<0.006				<0.006					<0.006
Phenols - total	0.0077	EQS	mg/l	0 of 3	0	<0.03	<0.03			<0.03				<0.03	<0.03			
Total petroleum hydrocarbons																		
Aliphatics >C5-6	15	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C6-8	15	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C8-10	0.3	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C10-12	0.3	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C12-16	0.3	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C16-21	No GAC	-	mg/l	0 of 5	No GAC	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C21-35	No GAC	-	mg/l	0 of 5	No GAC	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aliphatics >C35-44	No GAC	-	mg/l	0 of 3	No GAC	<0.0001	<0.0001			<0.0001				<0.0001	<0.0001			
Aliphatics >C5-C44	No GAC	-	mg/l	0 of 3	No GAC	<0.005	<0.005			<0.005				<0.005	<0.005			
Aromatics >C5-C7	No GAC	-	mg/l	0 of 5	No GAC	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C7-8	0.7	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C8-10	0.3	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C10-12	0.09	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C12-16	0.09	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C16-21	0.09	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C21-35	0.09	WHO	mg/l	0 of 5	0	<0.0001	<0.01			<0.0001			<0.01	<0.0001	<0.0001			<0.01
Aromatics >C35-44	No GAC	-	mg/l	0 of 3	No GAC	<0.0001	<0.0001			<0.0001				<0.0001	<0.0001			
Aliphatics & Aromatics >C5-35	No GAC	-	mg/l	0 of 2	No GAC	<0.01	<0.01						<0.01					<0.01
Aliphatics & Aromatics >C5-44	No GAC	-	mg/l	0 of 3	No GAC	<0.005	<0.005			<0.005				<0.005	<0.005			
Polycyclic aromatic hydrocarbons																		
Acenaphthene	No GAC	-	mg/l	1 of 5	No GAC	<0.00001	<0.0005			<0.0001			0.00002	<0.0001	<0.0005			<0.00001
Dibenz(ah)anthracene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005			<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Fluoranthene	6.3E-06	EQS	mg/l	1 of 5	1	<0.00001	<0.0005			<0.0001			0.00001	<0.0001	<0.0005			<0.00001
Fluorene	No GAC	-	mg/l	1 of 5	No GAC	<0.00001	<0.0005			<0.0001			0.00001	<0.0001	<0.0005			<0.00001
Indeno(1,2,3-cd)pyrene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005			<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Phenanthrene	No GAC	-	mg/l	1 of 5	No GAC	<0.00001	<0.0005			<0.0001			0.00001	<0.0001	<0.0005			<0.00001
Pyrene	No GAC	-	mg/l	2 of 5	No GAC	0.00001	<0.0005			<0.0001			0.00001	<0.0001	<0.0005			0.00002
Naphthalene	0.002	EQS	mg/l	0 of 5	0	<0.0001	<0.0005			<0.0001			<0.0001	<0.0001	<0.0005			<0.0001
PAH, Total Detected USEPA 16	No GAC	-	mg/l	0 of 5	No GAC	<0.00008	<0.002			<0.002			<0.00008	<0.002	<0.002			<0.00008
Acenaphthylene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005			<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Anthracene	0.0001	EQS	mg/l	0 of 5	0	<0.00001	<0.0005			<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Benzo(a)anthracene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005			<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Benzo(g,h,i) perylene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005			<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Benzo(a)pyrene	1.7E-07	EQS	mg/l	0 of 5	0	<0.00001	<0.0005			<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Benzo(b)fluoranthene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005			<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Benzo(k)fluoranthene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005			<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
Chrysene	No GAC	-	mg/l	0 of 5	No GAC	<0.00001	<0.0005			<0.0001			<0.00001	<0.0001	<0.0005			<0.00001
BTEX																		
Benzene	0.01	EQS	mg/l	0 of 6	0	<0.001	<0.001		<0.001	<0.001			<0.001	<0.001	<0.001			<0.001
Toluene	0.074	EQS	mg/l	0 of 6	0	<0.001	<0.001		<0.001	<0.001			<0.001	<0.001	<0.001			<0.001
Ethylbenzene	0.02	EQS*	mg/l	0 of 6	0	<0.001	<0.001		<0.001	<0.001			<0.001	<0.001	<0.001			<0.001
Xylene	0.03	EQS*	mg/l	0 of 3	0	<0.002	<0.002		<0.002				<0.002					<0.002
o-Xylene	0.03	EQS*	mg/l	0 of 6	0	<0.001	<0.001		<0.001	<0.001			<0.001	<0.001	<0.001			<0.001
m,p xylenes	0.03	EQS*	mg/l	0 of 6	0	<0.001	<0.001		<0.001	<0.001			<0.001	<0.001	<0.001			<0.001
Total BTEX	No GAC	-	mg/l	0 of 3	No GAC	<0.005	<0.005		<0.005				<0.005					<0.005

Concentration exceeds GAC		100						**Hole Ref**	CP105	CP105	CP105	CP105	CP105	BH2402	BH2407	BH2407	BH2407	BH2407
Limit of Detection value exceeds GAC		<0.1						**Sample Depth (mbgl)**	1.449	0	0	0	0	0	0	0	0	0
Concentration exceeds saturation value but not GAC		50						**Sample Date**		10/09/2024	30/10/2024	11/11/2024	25/03/2025	10/09/2024	09/09/2024	30/10/2024	11/11/2024	26/03/2025
VOC/SVOC																				
Methyl tertiary butyl ether (MTBE)	No GAC	-	mg/l	0 of 5	No GAC	<0.001	<0.001			<0.001			<0.001	<0.001	<0.001				<0.001
Styrene	0.05	EQS*	mg/l	0 of 1	0	<0.001	<0.001								<0.001				
cis-1,3-Dichloropropene	No GAC	-	mg/l	0 of 1	No GAC	<0.01	<0.01								<0.01				
trans-1,3-Dichloropropene	No GAC	-	mg/l	0 of 1	No GAC	<0.01	<0.01								<0.01				
Propylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
n-Butylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
4-Chlorotoluene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
1,4-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.001	<0.001								<0.001				
1,2-Dibromoethane	No GAC	-	mg/l	0 of 1	No GAC	<0.005	<0.005								<0.005				
1,2-Dichloroethane	0.01	EQS	mg/l	0 of 1	0	<0.002	<0.002								<0.002				
1,3,5-Trimethylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
Bromobenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
Chlorobenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
1,2,4-Trichlorobenzene	0.0004	EQS	mg/l	0 of 1	0	<0.001	<0.001								**<0.001**				
Dibromochloromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.01	<0.01								<0.01				
Tetrachloroethene	0.01	EQS	mg/l	0 of 1	0	<0.001	<0.001								<0.001				
sec-Butylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
1,3-Dichloropropane	No GAC	-	mg/l	0 of 1	No GAC	<0.002	<0.002								<0.002				
cis-1,2-Dichloroethene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
trans-1,2-Dichloroethene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
1,3-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.001	<0.001								<0.001				
Carbon tetrachloride	0.012	EQS	mg/l	0 of 1	0	<0.001	<0.001								<0.001				
1,1-Dichloropropene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
1,1,1,2-Tetrachloroethane	No GAC	-	mg/l	0 of 1	No GAC	<0.002	<0.002								<0.002				
Chloroform	0.0025	EQS	mg/l	0 of 1	0	<0.001	<0.001								<0.001				
1,1,1-Trichloroethane	0.1	EQS*	mg/l	0 of 1	0	<0.001	<0.001								<0.001				
Bromomethane	No GAC	-	mg/l	0 of 1	No GAC	<0.005	<0.005								<0.005				
Chloromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
Dibromomethane	0.02	EQS	mg/l	0 of 1	0	<0.01	<0.01								<0.01				
Bromochloromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.005	<0.005								<0.005				
Chloroethane	No GAC	-	mg/l	0 of 1	No GAC	<0.002	<0.002								<0.002				
Vinyl chloride	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
Bromoform	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
Bromodichloromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.005	<0.005								<0.005				
1,1-Dichloroethane	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
1,1-Dichloroethene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
Trichlorofluoromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
Dichlorodifluoromethane	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
1,2-Dichloropropane	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
1,1,2-Trichloroethane	0.4	EQS*	mg/l	0 of 1	0	<0.01	<0.01								<0.01				
Trichloroethene	0.01	EQS	mg/l	0 of 1	0	<0.001	<0.001								<0.001				
1,2,3-Trichlorobenzene	0.0004	EQS	mg/l	0 of 1	0	<0.002	<0.002								**<0.002**				
Hexachlorobutadiene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
2-Chlorotoluene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
1,2-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.001	<0.001								<0.001				
1,2,4-Trimethylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
1,2-Dibromo-3-chloropropane	No GAC	-	mg/l	0 of 1	No GAC	<0.05	<0.05								<0.05				
1,2,3-Trichloropropane	No GAC	-	mg/l	0 of 1	No GAC	<0.05	<0.05								<0.05				
tert-Butylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
Isopropylbenzene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
4-iso-Propyltoluene	No GAC	-	mg/l	0 of 1	No GAC	<0.001	<0.001								<0.001				
SVOC/SVOC																				
4-Nitrophenol	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
4-Bromophenylphenylether	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
2,4-Dimethylphenol	0.1	EQS*	mg/l	1 of 2	0	<0.0005	0.00503		0.00503						<0.0005				
4-Methylphenol	0.1	EQS*	mg/l	0 of 2	0	<0.0005	<0.002		<0.002						<0.0005				
bis(2-Chloroethyl)ether	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
bis(2-Chloroethoxy)methane	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
bis(2-Ethylhexyl) phthalate	0.0013	EQS	mg/l	0 of 2	0	<0.0005	<0.004		**<0.004**						<0.0005				
n-Dioctyl phthalate	0.02	EQS*	mg/l	0 of 2	0	<0.0005	<0.01		<0.01						<0.0005				
Hexachlorobenzene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
2,4-Dichlorophenol	0.0042	EQS	mg/l	0 of 2	0	<0.0005	<0.002		<0.002						<0.0005				
2,4-Dinitrotoluene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
Dimethyl phthalate	0.8	EQS*	mg/l	0 of 2	0	<0.0005	<0.002		<0.002						<0.0005				
Dibenzofuran	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
4-Chloro-3-methylphenol	0.04	EQS*	mg/l	0 of 2	0	<0.0005	<0.002		<0.002						<0.0005				
2,6-Dinitrotoluene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
n-Nitroso-n-dipropylamine	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
Hexachloroethane	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
Isophorone	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
Diethyl phthalate	0.2	EQS*	mg/l	0 of 2	0	<0.0005	<0.002		<0.002						<0.0005				
n-Dibutyl phthalate	0.008	EQS*	mg/l	0 of 2	0	<0.0005	<0.002		<0.002						<0.0005				
Butylbenzyl phthalate	0.0075	EQS	mg/l	0 of 2	0	<0.0005	<0.002		<0.002						<0.0005				
Carbazole	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
2,4,6-Trichlorophenol	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
2-Nitrophenol	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
2-Methylnaphthalene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
2-Chloronaphthalene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
2-Methylphenol	0.1	EQS*	mg/l	0 of 2	0	<0.0005	<0.002		<0.002						<0.0005				
2-Chlorophenol	0.05	EQS*	mg/l	0 of 2	0	<0.0005	<0.002		<0.002						<0.0005				
2,4,5-Trichlorophenol	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
Nitrobenzene	No GAC	-	mg/l	0 of 2	No GAC	<0.0005	<0.002		<0.002						<0.0005				
Hexachlorocyclopentadiene	No GAC	-	mg/l	0 of 1	No GAC	<0.002	<0.002		<0.002										
Pentachlorophenol	0.0004	EQS	mg/l	0 of 1	0	<0.002	<0.002		**<0.002**										
4-Nitroaniline			mg/l	0 of 1	No GAC	<0.0005	<0.0005								<0.0005				
Azobenzene			mg/l	0 of 1	No GAC	<0.0005	<0.0005								<0.0005				
4-Chloroaniline			mg/l	0 of 1	No GAC	<0.0005	<0.0005								<0.0005				
Bis(2-Chloroisopropyl)Ether			mg/l	0 of 1	No GAC	<0.0005	<0.0005								<0.0005				
2-Methyl-4,6-Dinitrophenol			mg/l	0 of 1	No GAC	<0.0005	<0.0005								<0.0005				
N-Nitrosodimethylamine			mg/l	0 of 1	No GAC	<0.0005	<0.0005								<0.0005				
4-Chlorophenylphenylether			mg/l	0 of 1	No GAC	<0.0005	<0.0005								<0.0005				
2-Nitroaniline			mg/l	0 of 1	No GAC	<0.0005	<0.0005								<0.0005				
3-Nitroaniline			mg/l	0 of 1	No GAC	<0.0005	<0.0005								<0.0005				

Concentration exceeds GAC	100							**Hole Ref**	CP105	CP105	CP105	CP105	CP105	BH2402	BH2407	BH2407	BH2407	BH2407		
Limit of Detection value exceeds GAC	<0.1							**Sample Depth (mbgl)**	1.449	0	0	0	0	0	0	0	0	0		
Concentration exceeds saturation value but not GAC	50							**Sample Date**		10/09/2024	30/10/2024	11/11/2024	25/03/2025	10/09/2024	09/09/2024	30/10/2024	11/11/2024	26/03/2025		
PFAS																						
Linear PFOS	0.00065	EQS	mg/l	6 of 6	0	0.000003	0.0000628				0.0000103	0.0000135	0.00000903			0.00000254	0.0000628	0.0000337				
Branched PFOS			mg/l	6 of 6	No GAC	0.000002	0.0000552				0.0000102	0.0000111	0.00000777			0.00000248	0.0000552	0.0000283				
Total PFOS			mg/l	6 of 6	No GAC	0.000005	0.000118				0.0000205	0.0000246	0.0000168			0.00000502	0.000118	0.0000619				
PFOA	0.00065	EQS	mg/l	6 of 6	0	0.000001	0.000186				0.000136	0.000186	0.000085			0.00000121	0.0000148	0.0000131				
PFEESA			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
HFPO-DA			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
HFPO-TA			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFecHS			mg/l	3 of 6	No GAC	<0.000001	0.00000272				0.00000255	0.00000272	0.00000208			<0.000001	<0.000001	<0.000001				
NFDHA			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
PFODA			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
EtFOSE			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFTrDS			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
Perfluoroundecanoic acid			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
MeFOSAA			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
MeFOSE			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFPA Perfluoronpentanoic acid			mg/l	6 of 6	No GAC	0.000006	0.0000967				0.0000768	0.0000967	0.000071			0.00000607	0.000041	0.0000483				
PFPeS (Perfluoro-1-pentanesulfonate)			mg/l	4 of 6	No GAC	<0.000001	0.0000221				0.0000163	0.0000221	0.00000663			<0.000001	0.00000175	<0.00001				
1H 1H 2H 2H-Perfluorooctanesulfonic acid			mg/l	5 of 6	No GAC	<0.000001	0.0000371				0.00000406	0.00000529	0.0000371			<0.000001	0.00000525	0.00000102				
EtFOSAA			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
FBSA			mg/l	4 of 6	No GAC	<0.000001	0.00000253				0.00000253	0.00000202	<0.000001			<0.000001	0.00000218	0.00000132				
PFHxA Perfluoronhexanoic acid			mg/l	6 of 6	No GAC	0.000004	0.0000924				0.0000656	0.0000924	0.0000466			0.00000362	0.0000203	0.0000189				
PFDoA Perfluorondodecanoic acid			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
N-MeFOSA			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
PFDA Perfluorondecanoic acid			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
PFDS			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
6:2 FTAB			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFHxS Perfluoro-1-hexanesulfonate			mg/l	6 of 6	No GAC	0.000002	0.0000614				0.0000454	0.0000614	0.0000296			0.00000178	0.0000308	0.0000208				
3:3 FTCA			mg/l	0 of 6	No GAC	<0.000001	<0.000001				<0.000001	<0.000001	<0.000001			<0.000001	<0.000001	<0.000001				
PFBA Perfluoronbutanoic acid			mg/l	6 of 6	No GAC	0.000003	0.0000825				0.0000628	0.0000825	0.0000306			0.00000318	0.0000255	0.000015				
PFBS Perfluoro-1-butanesulfonate			mg/l	6 of 6	No GAC	0.000001	0.0000229				0.0000192	0.0000229	0.0000107			0.00000123	0.0000101	0.00000754				
PFHpA Perfluoronheptanoic acid			mg/l	6 of 6	No GAC	0.000001	0.0000784				0.0000708	0.0000784	0.0000433			0.00000137	0.0000131	0.0000121				
PFHpS Perfluoro-1-heptanesulfonate			mg/l	3 of 6	No GAC	<0.000001	<0.00001				<0.000001	0.00000109	<0.000001			<0.00001	0.00000184	0.00000126				
PFNA Perfluoronnonanoic acid			mg/l	6 of 6	No GAC	0.000001	0.0000029				0.00000246	0.0000029	0.00000208			0.00000124	0.00000132	0.00000167				
PFTeA			mg/l	0 of 6	No GAC	<0.000001	<0.00001				<0.000001	<0.000001	<0.000001			<0.00001	<0.00001	<0.00001				
PFMOPrA			mg/l	0 of 6	No GAC	<0.000001	<0.00001				<0.000001	<0.000001	<0.000001			<0.00001	<0.00001	<0.00001				
8:2 FTS			mg/l	1 of 6	No GAC	0.000005	<0.00001				<0.00001	<0.00001	0.00000466			<0.00001	<0.00001	<0.00001				
N-EtFOSA			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
FHxSA			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFHxDA			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFNS			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFTrDA			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFUnDS			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFOSA Perfluoro-octanesulfonamide			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
9Cl-PF3ONS			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
4:2 FTS			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
11Cl-PF3OUdS			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFDoS			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
7:3 FTCA			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
PFMOBA			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
5:3 FTCA			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
ADONA			mg/l	0 of 6	No GAC	<0.00001	<0.00001				<0.00001	<0.00001	<0.00001			<0.00001	<0.00001	<0.00001				
Total PFAS DWI 47			mg/l	2 of 2	No GAC	0.000203	0.000386						0.000386					0.000203				

							Hole Ref	Canal 1	Canal 1	Canal 1	Canal 1	Canal 2	Canal 2	Canal 2	Canal 2	Canal 3	Canal 3	Canal 3	Canal 3	Canal 3	Canal 4	Canal 4
Concentration exceeds GAC		100					**Sample Ref**	1A	2A	1A	2A	1A	2A	1A	2A	1A	2A	1A	1AA	2A	1A	2A
Limit of Detection value exceeds GAC		<0.1					**Easting**															
Concentration exceeds saturation value but not GAC		50					**Northing**															
Concentration lower than Limit of Detection		< 0.1					**Hole Elevation (mOD)**															
							Sample Date	31/10/2024	13/11/2024	03/03/2025	02/04/2025	31/10/2024	13/11/2024	03/03/2025	01/04/2025	31/10/2024	13/11/2024	03/03/2025	31/03/2025	01/04/2025	03/03/2025	03/04/2025
							Investigation	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Contaminant Name	**GAC**	**GAC Source**	**Units**	**Total > LOD**	**Total > GAC**	**Min**	**Max**															
Metal/Metalloid																						
Chromium - Hexavalent	0.0034	EQS	mg/l	0 of 9	0	<0.003	<0.003			<0.003	<0.003			<0.003	<0.003			<0.003	<0.003	<0.003	<0.003	<0.003
Lead	0.00833	EQS	mg/l	9 of 9	0	0.00026	0.00065			0.00034	0.00026			0.00064	0.00029			0.00037	0.00065	0.00043	0.00036	0.00031
Mercury		-	mg/l	0 of 9	No GAC	<0.00001	<0.00001			<0.00001	<0.00001			<0.00001	<0.00001			<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Nickel	0.0168	EQS	mg/l	9 of 9	2	0.00417	0.0277			0.00534	0.00554			0.00525	0.00507			0.0173	0.0277	0.00544	0.00417	0.00556
Antimony		-	mg/l	7 of 9	No GAC	<0.001	0.00222			0.00184	0.00178			0.00123	0.00211			<0.001	<0.001	0.00222	0.00115	0.00183
Arsenic	0.05	EQS	mg/l	9 of 9	0	0.00085	0.00371			0.00094	0.0012			0.00098	0.00155			0.00371	0.00245	0.00171	0.00085	0.00141
Beryllium		-	mg/l	0 of 9	No GAC	<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Cadmium	0.00008	EQS	mg/l	2 of 9	2	<0.00008	0.00014			<0.00008	<0.00008			<0.00008	<0.00008			0.00014	0.00013	<0.00008	<0.00008	<0.00008
Chromium	0.0047	EQS	mg/l	1 of 9	0	<0.001	0.00137			<0.001	<0.001			<0.001	<0.001			0.00137	<0.001	<0.001	<0.001	<0.001
Copper	0.0296	EQS	mg/l	9 of 9	0	0.00267	0.0101			0.0058	0.00285			0.00393	0.00309			0.0101	0.00472	0.00267	0.00334	0.00284
Vanadium	0.02	EQS	mg/l	4 of 9	0	<0.001	0.0103			<0.001	<0.001			0.00114	<0.001			0.0103	0.00353	<0.001	0.00101	<0.001
Zinc	0.0379	EQS	mg/l	9 of 9	0	0.00846	0.0304			0.0304	0.0154			0.0188	0.0138			0.00846	0.0111	0.0132	0.0183	0.013
Calcium		-	mg/l	9 of 9	No GAC	58.6	128			128	121			113	110			58.6	86.9	114	116	118
Selenium	0.01	-	mg/l	0 of 9	0	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.123	EQS	mg/l	9 of 9	2	0.0112	0.446			0.0304	0.0116			0.022	0.0112			0.138	0.446	0.0923	0.0151	0.0189
Inorganic																						
pH value		EQS*	pH Units	15 of 15	No GAC	7.41	7.92	7.44	7.79	7.48	7.91	7.41	7.63	7.6	7.88	7.51	7.64	7.92	7.75	7.6	7.62	7.85
Cyanide - total	0.001	EQS	mg/l	0 of 9	0	<0.05	<0.05			<0.05	<0.05			<0.05	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05
Chloride	250	EQS	mg/l	9 of 9	0	40.3	60.2			47.5	50.6			46.7	57.5			40.3	60.2	51.2	47.2	52.7
Ammoniacal Nitrogen as NH3		-	mg/l	3 of 9	No GAC	<0.2	2.25			2.25	<0.2			<0.2	<0.2			0.86	1.44	<0.2	<0.2	<0.2
Ammoniacal nitrogen (as N)	0.3	EQS	mg/l	3 of 9	3	<0.2	1.85			1.85	<0.2			<0.2	<0.2			0.708	1.19	<0.2	<0.2	<0.2
Dissolved organic carbon (DOC)		-	mg/l	15 of 15	No GAC	4.01	44.5	10.6	6.72	6.37	6.61	8.63	5.87	4.01	5.73	44.5	7.34	5.73	8.23	6.67	8.07	5.8
Hardness,Total as CaC03		-	mg/l	15 of 15	No GAC	171	764	302	279	387	354	261	368	340	352	764	254	171	239	449	359	337
Sulphate as SO4	400	EQS*	mg/l	0 of 0	0																	
Phenol and mineral oils																						
Total Phenol	0.0077	EQS	mg/l	0 of 9	0	<0.002	<0.004			<0.002	<0.002			<0.002	<0.002			<0.002	<0.002	<0.004	<0.002	<0.002
Phenol (Monohydric)	0.0077	EQS	mg/l	0 of 9	0	<0.016	<0.016			<0.016	<0.016			<0.016	<0.016			<0.016	<0.016	<0.016	<0.016	<0.016
Xylenols		-	mg/l	0 of 9	No GAC	<0.008	<0.008			<0.008	<0.008			<0.008	<0.008			<0.008	<0.008	<0.008	<0.008	<0.008
Cresols		-	mg/l	0 of 9	No GAC	<0.006	<0.006			<0.006	<0.006			<0.006	<0.006			<0.006	<0.006	<0.006	<0.006	<0.006
Total petroleum hydrocarbons																						
Aliphatics >C5-6	15	WHO	mg/l	0 of 8	0	<0.01	<0.01			<0.01	<0.01			<0.01	<0.01				<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-8	15	WHO	mg/l	2 of 8	0	<0.01	0.075			<0.01	<0.01			<0.01	0.066				<0.01	0.075	<0.01	<0.01
Aliphatics >C8-10	0.3	WHO	mg/l	2 of 8	0	<0.01	0.236			<0.01	<0.01			<0.01	0.104				<0.01	0.236	<0.01	<0.01
Aliphatics >C10-12	0.3	WHO	mg/l	2 of 8	1	<0.01	0.742			<0.01	<0.01			<0.01	0.244				<0.01	0.742	<0.01	<0.01
Aliphatics >C12-16	0.3	WHO	mg/l	2 of 9	1	<0.01	3.73			<0.01	<0.01			<0.01	<0.01			<0.01	0.0723	3.73	<0.01	<0.01
Aliphatics >C16-21		-	mg/l	3 of 9	No GAC	<0.01	5.47			0.055	<0.01			<0.01	<0.01			<0.01	0.179	5.47	<0.01	<0.01
Aliphatics >C21-35		-	mg/l	2 of 9	No GAC	<0.01	2.37			<0.01	<0.01			<0.01	<0.01			<0.01	0.0692	2.37	<0.01	<0.01
Aliphatics >C12-35		-	mg/l	3 of 9	No GAC	<0.01	11.6			0.055	<0.01			<0.01	<0.01			<0.01	0.321	11.6	<0.01	<0.01
Aliphatics >C35-44		-	mg/l	0 of 0	No GAC																	
Aliphatics >C5-C44		-	mg/l	0 of 0	No GAC																	
Aromatics >C7-8	0.7	WHO	mg/l	0 of 8	0	<0.01	<0.01			<0.01	<0.01			<0.01	<0.01				<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10	0.3	WHO	mg/l	2 of 8	0	<0.01	0.162			<0.01	<0.01			<0.01	0.071				<0.01	0.162	<0.01	<0.01
Aromatics >C10-12	0.09	WHO	mg/l	2 of 8	2	<0.01	0.495			<0.01	<0.01			<0.01	0.163				<0.01	0.495	<0.01	<0.01
Aromatics >C12-16	0.09	WHO	mg/l	1 of 9	1	<0.01	0.514			<0.01	<0.01			<0.01	<0.01			<0.01	<0.01	0.514	<0.01	<0.01
Aromatics >C16-21	0.09	WHO	mg/l	1 of 9	0	<0.01	0.0204			<0.01	<0.01			<0.01	<0.01			<0.01	<0.01	0.0204	<0.01	<0.01
Aromatics >C21-35	0.09	WHO	mg/l	1 of 9	1	<0.01	0.212			<0.01	<0.01			<0.01	<0.01			<0.01	<0.01	0.212	<0.01	<0.01
Aromatics >C12-35		-	mg/l	1 of 9	No GAC	<0.01	0.746			<0.01	<0.01			<0.01	<0.01			<0.01	<0.01	0.746	<0.01	<0.01
Aromatics >C5-C7		-	mg/l	0 of 8	No GAC	<0.01	<0.01			<0.01	<0.01			<0.01	<0.01				<0.01	<0.01	<0.01	<0.01
Aromatics >C35-44		-	mg/l	0 of 0	No GAC																	
Aliphatics & Aromatics >C5-35		-	mg/l	4 of 8	No GAC	<0.01	14			0.055	<0.01			<0.01	0.655				0.321	14	<0.01	<0.01
Aliphatics & Aromatics >C5-44		-	mg/l	0 of 0	No GAC																	
Polycyclic aromatic hydrocarbons																						
Acenaphthene		-	mg/l	0 of 9	No GAC	<0.00001	<0.004			<0.00001	<0.00001			<0.00001	<0.00001			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Dibenz(ah)anthracene		-	mg/l	1 of 9	No GAC	<0.00001	<0.004			<0.00001	<0.00001			<0.00001	0.00001			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Fluoranthene	6.3E-06	EQS	mg/l	6 of 9	6	<0.00001	<0.004			<0.00001	0.00001			0.00001	0.00009			0.00001	<0.00001	<0.004	0.00001	0.00001
Fluorene		-	mg/l	0 of 9	No GAC	<0.00001	<0.004			<0.00001	<0.00001			<0.00001	<0.00001			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Indeno(1,2,3-cd)pyrene		-	mg/l	5 of 9	No GAC	<0.00001	<0.004			0.00001	<0.00001			0.00001	0.00004			0.00001	<0.001	<0.004	<0.00001	0.00001
Phenanthrene		-	mg/l	1 of 9	No GAC	<0.00001	<0.004			<0.00001	<0.00001			<0.00001	0.00002			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Pyrene		-	mg/l	7 of 9	No GAC	0.00002	<0.004			0.00002	0.00002			0.00003	0.00014			0.00004	<0.001	<0.004	0.00003	0.00004
Naphthalene	0.002	EQS	mg/l	0 of 9	0	<0.0001	<0.004			<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.001	<0.004	<0.0001	<0.0001
PAH, Total Detected USEPA 16		-	mg/l	5 of 9	No GAC	<0.00008	0.0122			<0.00008	<0.00008			<0.00008	0.00062			0.00009	0.00011	0.01220	<0.00008	0.00011
Acenaphthylene		-	mg/l	0 of 9	No GAC	<0.00001	<0.004			<0.00001	<0.00001			<0.00001	<0.00001			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Anthracene	0.0001	EQS	mg/l	1 of 9	0	<0.00001	<0.004			<0.00001	<0.00001			<0.00001	0.00001			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Benzo(a)anthracene		-	mg/l	1 of 9	No GAC	<0.00001	<0.004			<0.00001	<0.00001			<0.00001	0.00003			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Benzo(g,h,i) perylene		-	mg/l	3 of 9	No GAC	<0.00001	<0.004			<0.00001	<0.00001			0.00001	0.00006			0.00001	<0.00001	<0.004	<0.00001	<0.00001
Benzo(a)pyrene	1.7E-07	EQS	mg/l	6 of 9	6	<0.00001	<0.004			<0.00001	0.00001			0.00001	0.00006			0.00001	<0.001	<0.004	0.00001	0.00001
Benzo(b)fluoranthene		-	mg/l	7 of 9	No GAC	0.00001	<0.004			0.00001	0.00001			0.00001	0.00008			0.00002	<0.001	<0.004	0.00001	0.00002
Benzo(k)fluoranthene		-	mg/l	2 of 9	No GAC	<0.00001	<0.004			<0.00001	<0.00001			<0.00001	0.00004			<0.00001	<0.00001	<0.004	<0.00001	0.00001
Chrysene		-	mg/l	2 of 9	No GAC	<0.00001	<0.004			<0.00001	<0.00001			<0.00001	0.00003			<0.00001	<0.00001	<0.004	<0.00001	0.00001
Benzene Toluene Ethylene benzene Xylene																						
Benzene	0.01	EQS	mg/l	0 of 8	0	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001				<0.001	<0.001	<0.001	<0.001
Toluene	0.074	EQS	mg/l	1 of 8	0	<0.001	0.00127			<0.001	<0.001			<0.001	<0.001				<0.001	0.00127	<0.001	<0.001
Ethylbenzene	0.02	EQS*	mg/l	0 of 8	0	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001				<0.001	<0.001	<0.001	<0.001
o-Xylene	0.03	EQS*	mg/l	0 of 8	0	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001				<0.001	<0.001	<0.001	<0.001
m,p xylenes	0.03	EQS*	mg/l	0 of 8	0	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001				<0.001	<0.001	<0.001	<0.001
Sum Xylene	0.03	EQS*	mg/l	0 of 8	0	<0.002	<0.002			<0.002	<0.002			<0.002	<0.002				<0.002	<0.002	<0.002	<0.002
Total BTEX		-	mg/l	0 of 8	No GAC	<0.005	<0.005			<0.005	<0.005			<0.005	<0.005				<0.005	<0.005	<0.005	<0.005
VOC/SVOC																						
Methyl tertiary butyl ether (MTBE)	0	-	mg/l	0 of 8	0	<0.001	<0.001			<0.001	<0.001			<0.001	<0.001				<0.001	<0.001	<0.001	<0.001
Styrene	0.05	EQS*	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		
cis-1,3-Dichloropropene	0	-	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		
trans-1,3-Dichloropropene	0	-	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		
Propylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		
n-Butylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		
4-Chlorotoluene	0	-	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		
1,4-Dichlorobenzene	0.02	EQS*	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
1,2-Dibromoethane	0	-	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		
1,2-Dichloroethane	0.01	EQS	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		
1,3,5-Trimethylbenzene	0	-	mg/l	1 of 2	1	<0.001	0.00117												<0.001	0.00117		
Bromobenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		
Chlorobenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		
1,2,4-Trichlorobenzene	0.0004	EQS	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Dibromochloromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001												<0.001	<0.001		

Concentration exceeds GAC		100					
Limit of Detection value exceeds GAC		<0.1					
Concentration exceeds saturation value but not GAC		50					
Concentration lower than Limit of Detection		< 0.1					

Hole Ref	Canal 1	Canal 1	Canal 1	Canal 1	Canal 2	Canal 2	Canal 2	Canal 2	Canal 3	Canal 3	Canal 3	Canal 3	Canal 3	Canal 4	Canal 4
Sample Ref	1A	2A	1A	2A	1A	2A	1A	2A	1A	2A	1A	1AA	2A	1A	2A
Easting															
Northing															
Hole Elevation (mOD)															
Sample Date	31/10/2024	13/11/2024	03/03/2025	02/04/2025	31/10/2024	13/11/2024	03/03/2025	01/04/2025	31/10/2024	13/11/2024	03/03/2025	31/03/2025	01/04/2025	03/03/2025	03/04/2025
Investigation	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max														
Tetrachloroethene	0.01	EQS	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
sec-Butylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,3-Dichloropropane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
cis-1,2-Dichloroethene	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
trans-1,2-Dichloroethene	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,3-Dichlorobenzene	0.02	EQS*	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Carbon tetrachloride	0.012	EQS	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,1-Dichloropropene	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,1,1,2-Tetrachloroethane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Chloroform	0.0025	EQS	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,1,1-Trichloroethane	0.1	EQS*	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Bromomethane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Chloromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Dibromomethane	0.02	EQS	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Bromochloromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Chloroethane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Vinyl chloride	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Bromoform	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Bromodichloromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,1-Dichloroethane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,1-Dichloroethene	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Trichlorofluoromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Dichlorodifluoromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,2-Dichloropropane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,1,2-Trichloroethane	0.4	EQS*	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Trichloroethene	0.01	EQS	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,2,3-Trichlorobenzene	0.0004	EQS	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Hexachlorobutadiene	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2-Chlorotoluene	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,2-Dichlorobenzene	0.02	EQS*	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
1,2,4-Trimethylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,2-Dibromo-3-chloropropane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,2,3-Trichloropropane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
tert-Butylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Isopropylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
4-iso-Propyltoluene	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,3,5-Trichlorobenzene	0.0004	EQS	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
2,2-Dichloropropane	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
Dichloromethane	0.02	EQS	mg/l	0 of 2	0	<0.003	<0.003											<0.003	<0.003		
Carbon disulphide	0	-	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
1,1,2,2-Tetrachloroethane	0.14	EQS	mg/l	0 of 2	0	<0.001	<0.001											<0.001	<0.001		
SVOC/SVOC																					
4-Nitrophenol	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
4-Bromophenylphenylether	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2,4-Dimethylphenol	0.1	EQS*	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
4-Methylphenol	0.1	EQS*	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
bis(2-Chloroethyl)ether	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
bis(2-Chloroethoxy)methane	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
bis(2-Ethylhexyl) phthalate	0.0013	EQS	mg/l	0 of 2	0	<0.002	<0.008											<0.002	<0.008		
n-Dioctyl phthalate	0.02	EQS*	mg/l	0 of 2	0	<0.005	<0.02											<0.005	<0.02		
Hexachlorobenzene	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2,4-Dichlorophenol	0.0042	EQS	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2,4-Dinitrotoluene	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Dimethyl phthalate	0.8	EQS*	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Dibenzofuran	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
4-Chloro-3-methylphenol	0.04	EQS*	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2,6-Dinitrotoluene	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
n-Nitroso-n-dipropylamine	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Hexachloroethane	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Isophorone	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Diethyl phthalate	0.2	EQS*	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
n-Dibutyl phthalate	0.008	EQS*	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Butylbenzyl phthalate	0.0075	EQS	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Carbazole	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2,4,6-Trichlorophenol	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2-Nitrophenol	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2-Methylnaphthalene	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2-Chloronaphthalene	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2-Methylphenol	0.1	EQS*	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2-Chlorophenol	0.05	EQS*	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
2,4,5-Trichlorophenol	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Nitrobenzene	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Hexachlorocyclopentadiene	0	-	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
Pentachlorophenol	0.0004	EQS	mg/l	0 of 2	0	<0.001	<0.004											<0.001	<0.004		
4-Nitroaniline			mg/l	0 of 2	No GAC	<0.001	<0.004											<0.001	<0.004		
Azobenzene			mg/l	0 of 2	No GAC	<0.001	<0.004											<0.001	<0.004		
4-Chloroaniline			mg/l	0 of 2	No GAC	<0.001	<0.004											<0.001	<0.004		
4-Chlorophenylphenylether			mg/l	0 of 2	No GAC	<0.001	<0.004											<0.001	<0.004		
2-Nitroaniline			mg/l	0 of 2	No GAC	<0.001	<0.004											<0.001	<0.004		
3-Nitroaniline			mg/l	0 of 2	No GAC	<0.001	<0.004											<0.001	<0.004		
ZNS																					
Linear PFOS	0.65	EQS	ng/l	15 of 15	15	4.83	34.7	8.0	10.6	7.0	4.98	6.4	11.5	5.03	4.8	9.5	10.2	22.2	34.7	10.0	21.5	4.96
Branched PFOS			ng/l	15 of 15	No GAC	6.81	31.4	8.7	10.5	16.0	7.9	8.3	8.1	10.0	8.4	8.7	11.7	20.0	31.4	15.4	18.7	6.81
Total PFOS	0.65	EQS	ng/l	15 of 15	15	11.80	66	16.7	21.1	23.0	12.8	14.7	19.6	15.0	13.2	18.2	21.9	42.2	66.0	25.5	40.2	11.8
PFOA	1.3	EQS	ng/l	15 of 15	15	9.31	35.4	13.9	13.1	35.2	11.1	12.4	9.3	17.7	11.4	12.1	18.7	30.5	35.4	15.3	31.2	10.3
PFEESA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
HFPO-DA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
HFPO-TA			ng/l	0 of 15	No GAC	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
PFecHS			ng/l	12 of 15	No GAC	1.20	5.79	1.59	1.2	5.79	1.87	1.38	<10	2.64	1.47	1.45	<10	1.8	2.39	<10	1.65	1.83
NFDHA			ng/l	0 of 15	No GAC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
PFODA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
EtFOSE			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFTrDS			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFUnDA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MeFOSAA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

							Hole Ref	Canal 1	Canal 1	Canal 1	Canal 1	Canal 2	Canal 2	Canal 2	Canal 2	Canal 3	Canal 3	Canal 3	Canal 3	Canal 3	Canal 4	Canal 4
Concentration exceeds GAC		100					Sample Ref	1A	2A	1A	2A	1A	2A	1A	2A	1A	2A	1A	1AA	2A	1A	2A
Limit of Detection value exceeds GAC		<0.1					Easting															
Concentration exceeds saturation value but not GAC		50					Northing															
Concentration lower than Limit of Detection		< 0.1					Hole Elevation (mOD)															
							Sample Date	31/10/2024	13/11/2024	03/03/2025	02/04/2025	31/10/2024	13/11/2024	03/03/2025	01/04/2025	31/10/2024	13/11/2024	03/03/2025	31/03/2025	01/04/2025	03/03/2025	03/04/2025
							Investigation	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Contaminant Name	**GAC**	**GAC Source**	**Units**	**Total > LOD**	**Total > GAC**	**Min**	**Max**															
MeFOSE			ng/l	0 of 15	No GAC	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
PFPA			ng/l	15 of 15	No GAC	9.83	53.3	13.9	17.8	26	12.7	13.4	16.7	12.6	11.3	13.9	26.1	43.8	53.3	15.3	39.4	9.83
PFPeS			ng/l	10 of 15	No GAC	1.03	<10	1.21	<10	2.73	1.04	1.03	<10	1.97	<10	1.13	<10	2.95	4.33	<10	3.15	1.14
6:2 FTS			ng/l	7 of 15	No GAC	1.21	9.91	1.29	1.21	2.10	<10	<10	<10	1.64	<10	<10	<10	5.49	9.91	<10	3.75	<10
EtFOSAA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
FBSA			ng/l	3 of 15	No GAC	3.40	5.2	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	3.4	5.2	<10	4.18	<10
PFHxA	130	EQS	ng/l	15 of 15	0	9.50	43	10.6	12.8	24.2	10.5	9.56	10.4	10.4	9.79	9.54	13.8	29.2	43	14.3	23.7	9.5
PFDoA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-MeFOSA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFDA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFDS			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
6:2 FTAB			ng/l	0 of 15	No GAC	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
PFHxS	2.16	EQS	ng/l	15 of 15	15	6.89	26.2	6.89	11.8	13.5	8.75	7.43	14.3	8.28	10.2	7.02	14.4	15.1	26.2	15	15.9	8.23
3:3 FTCA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFBA	26	EQS	ng/l	15 of 15	3	16.30	36	16.8	22.2	36	19.2	19.4	17	30.3	19.5	16.3	20.5	22.4	34.5	17.6	24.7	16.8
PFBS	1300	EQS	ng/l	13 of 15	0	3.71	17.7	4.24	4.34	9.79	5.1	4.14	<10	7.34	5.22	3.71	<10	12.7	17.7	8.4	11.5	4.67
PFHpA			ng/l	14 of 15	No GAC	5.63	22.2	6.79	5.63	19.1	7.8	7.04	<10	6.51	6.46	6.76	7.4	16.3	22.2	8.52	16.9	6.27
PFHpS			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFNA	0.13	EQS	ng/l	6 of 15	6	1.18	2.62	1.36	<10	<10	<10	1.18	<10	<10	<10	1.28	<10	1.73	2.62	<10	1.98	<10
PFTeA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFMOPrA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
8:2 FTS			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-EtFOSA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
FHxSA			ng/l	5 of 15	No GAC	1.01	11.4	1.01	1.5	<10	<10	1.19	<10	<10	1.36	11.4	<10	<10	<10	<10	<10	<10
PFHxDA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFNS			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFTrDA			ng/l	0 of 15	No GAC	<10	<20	<20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFUnDS			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFOSA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
9Cl-PF3ONS			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4:2 FTS			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
11Cl-PF3OUdS			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
PFDoS			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
7:3 FTCA			ng/l	0 of 15	No GAC	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
PFMOBA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
5:3 FTCA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
ADONA			ng/l	0 of 15	No GAC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

V1.0.0

Concentration exceeds GAC	100
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50
Concentration lower than Limit of Detection	< 0.1

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Hole Ref	Canal 1	Canal 1	Canal 1	Canal 1	Canal 2	Canal 2	Canal 2	Canal 2	Canal 3	Canal 3	Canal 3	Canal 3	Canal 4	Canal 4
								Sample Ref Easting	1A	2A	1A	2A	1A	2A	1A	2A	1A	1A	1AA	2A	1A	2A
								Northing														
								Hole Elevation (mOD)														
								Sample Date	31/10/2024	13/11/2024	03/03/2025	02/04/2025	31/10/2024	13/11/2024	03/03/2025	01/04/2025	31/10/2024	13/11/2024	03/03/2025	31/03/2025	01/04/2025	03/03/2025	02/04/2025
								Investigation	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Metal/Metalloid																						
Chromium - Hexavalent	0.0034	EQS	mg/l	0 of 9	0	<0.003	<0.003				<0.003	<0.003			<0.003	<0.003			<0.003	<0.003	<0.003	<0.003	<0.003
Lead	0.00833	EQS	mg/l	9 of 9	0	0.00026	0.00065				0.00034	0.00026			0.00064	0.00029			0.00037	0.00065	0.00043	0.00036	0.00031
Mercury		-	mg/l	0 of 9	No GAC	<0.00001	<0.00001				<0.00001	<0.00001			<0.00001	<0.00001			<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Nickel	0.0168	EQS	mg/l	9 of 9	2	0.00417	0.0277				0.00534	0.00554			0.00525	0.00507			0.0173	0.0277	0.00544	0.00417	0.00556
Antimony		-	mg/l	7 of 9	No GAC	<0.001	0.00222				0.00184	0.00178			0.00123	0.00211			<0.001	<0.001	0.00222	0.00115	0.00183
Arsenic	0.05	EQS	mg/l	9 of 9	0	0.00085	0.00371				0.00094	0.0012			0.00098	0.00155			0.00371	0.00245	0.00171	0.00085	0.00141
Beryllium		-	mg/l	0 of 9	No GAC	<0.0001	<0.0001				<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Cadmium	0.00008	EQS	mg/l	2 of 9	2	<0.00008	0.00014				<0.00008	<0.00008			<0.00008	<0.00008			0.00014	0.00013	<0.00008	<0.00008	<0.00008
Chromium	0.0047	EQS	mg/l	1 of 9	0	<0.001	0.00137				<0.001	<0.001			<0.001	<0.001			0.00137	<0.001	<0.001	<0.001	<0.001
Copper	0.0296	EQS	mg/l	9 of 9	0	0.00267	0.0101				0.0058	0.00285			0.00393	0.00309			0.0101	0.00472	0.00267	0.00334	0.00284
Vanadium	0.02	EQS	mg/l	4 of 9	0	<0.001	0.0103				<0.001	<0.001			0.00114	<0.001			0.0103	0.00353	<0.001	0.00101	<0.001
Zinc	0.0379	EQS	mg/l	9 of 9	0	0.00846	0.0304				0.0304	0.0154			0.0188	0.0138			0.00846	0.0111	0.0132	0.0183	0.013
Calcium		-	mg/l	9 of 9	No GAC	58.6	128				128	121			113	110			58.6	86.9	114	116	118
Selenium	0.01	-	mg/l	0 of 9	0	<0.001	<0.001				<0.001	<0.001			<0.001	<0.001			<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	0.123	EQS	mg/l	9 of 9	2	0.0112	0.446				0.0304	0.0116			0.022	0.0112			0.138	0.446	0.0923	0.0151	0.0189
Inorganic																						
pH value		EQS*	pH Units	15 of 15	No GAC	7.41	7.92		7.44	7.79	7.48	7.91	7.41	7.63	7.6	7.88	7.51	7.64	7.92	7.75	7.6	7.62	7.85
Cyanide - total	0.001	EQS	mg/l	0 of 9	0	<0.05	<0.05				<0.05	<0.05			<0.05	<0.05			<0.05	<0.05	<0.05	<0.05	<0.05
Chloride	250	EQS	mg/l	9 of 9	0	40.3	60.2				47.5	50.6			46.7	57.5			40.3	60.2	51.2	47.2	52.7
Ammoniacal Nitrogen as NH3		-	mg/l	3 of 9	No GAC	<0.2	2.25				2.25	<0.2			<0.2	<0.2			0.86	1.44	<0.2	<0.2	<0.2
Ammoniacal nitrogen (as N)	0.3	EQS	mg/l	3 of 9	3	<0.2	1.85				1.85	<0.2			<0.2	<0.2			0.708	1.19	<0.2	<0.2	<0.2
Dissolved organic carbon (DOC)		-	mg/l	15 of 15	No GAC	4.01	44.5		10.6	6.72	6.37	6.61	8.63	5.87	4.01	5.73	44.5	7.34	5.73	8.23	6.67	8.07	5.8
Hardness,Total as CaC03		-	mg/l	15 of 15	No GAC	171	764		302	279	387	354	261	368	340	352	764	254	171	239	449	359	337
Sulphate as SO4	400	EQS*	mg/l	0 of 0	0																		
Phenol and mineral oils																						
Phenol	0.0077	EQS	mg/l	0 of 9	0	<0.002	<0.004				<0.002	<0.002			<0.002	<0.002			<0.002	<0.002	<0.004	<0.002	<0.002
Phenol (Monohydric)	0.0077	EQS	mg/l	0 of 9	0	<0.016	<0.016				<0.016	<0.016			<0.016	<0.016			<0.016	<0.016	<0.016	<0.016	<0.016
Xylenols		-	mg/l	0 of 9	No GAC	<0.008	<0.008				<0.008	<0.008			<0.008	<0.008			<0.008	<0.008	<0.008	<0.008	<0.008
Cresols		-	mg/l	0 of 9	No GAC	<0.006	<0.006				<0.006	<0.006			<0.006	<0.006			<0.006	<0.006	<0.006	<0.006	<0.006
Phenols - total	0.0077	EQS	mg/l	0 of 0	0																		
Total petroleum hydrocarbons																						
Aliphatics >C5-6	15	WHO	mg/l	0 of 8	0	<0.01	<0.01				<0.01	<0.01			<0.01	<0.01				<0.01	<0.01	<0.01	<0.01
Aliphatics >C6-8	15	WHO	mg/l	2 of 8	0	<0.01	0.075				<0.01	<0.01			<0.01	0.066				<0.01	0.075	<0.01	<0.01
Aliphatics >C8-10	0.3	WHO	mg/l	2 of 8	0	<0.01	0.236				<0.01	<0.01			<0.01	0.104				<0.01	0.236	<0.01	<0.01
Aliphatics >C10-12	0.3	WHO	mg/l	2 of 8	1	<0.01	0.742				<0.01	<0.01			<0.01	0.244				<0.01	0.742	<0.01	<0.01
Aliphatics >C12-16	0.3	WHO	mg/l	2 of 9	1	<0.01	3.73				<0.01	<0.01			<0.01	<0.01			<0.01	0.0723	3.73	<0.01	<0.01
Aliphatics >C16-21		-	mg/l	3 of 9	No GAC	<0.01	5.47				0.055	<0.01			<0.01	<0.01			<0.01	0.179	5.47	<0.01	<0.01
Aliphatics >C21-35		-	mg/l	2 of 9	No GAC	<0.01	2.37				<0.01	<0.01			<0.01	<0.01			<0.01	0.0692	2.37	<0.01	<0.01
Aliphatics >C12-35		-	mg/l	3 of 9	No GAC	<0.01	11.6				0.055	<0.01			<0.01	<0.01			<0.01	0.321	11.6	<0.01	<0.01
Aliphatics >C35-44		-	mg/l	0 of 0	No GAC																		
Aliphatics >C5-C44		-	mg/l	0 of 0	No GAC																		
Aromatics >C7-8	0.7	WHO	mg/l	0 of 8	0	<0.01	<0.01				<0.01	<0.01			<0.01	<0.01				<0.01	<0.01	<0.01	<0.01
Aromatics >C8-10	0.3	WHO	mg/l	2 of 8	0	<0.01	0.162				<0.01	<0.01			<0.01	0.071				<0.01	0.162	<0.01	<0.01
Aromatics >C10-12	0.09	WHO	mg/l	2 of 8	2	<0.01	0.495				<0.01	<0.01			<0.01	0.163				<0.01	0.495	<0.01	<0.01
Aromatics >C12-16	0.09	WHO	mg/l	1 of 9	1	<0.01	0.514				<0.01	<0.01			<0.01	<0.01			<0.01	<0.01	0.514	<0.01	<0.01
Aromatics >C16-21	0.09	WHO	mg/l	1 of 9	0	<0.01	0.0204				<0.01	<0.01			<0.01	<0.01			<0.01	<0.01	0.0204	<0.01	<0.01
Aromatics >C21-35	0.09	WHO	mg/l	1 of 9	1	<0.01	0.212				<0.01	<0.01			<0.01	<0.01			<0.01	<0.01	0.212	<0.01	<0.01
Aromatics >C12-35		-	mg/l	1 of 9	No GAC	<0.01	0.746				<0.01	<0.01			<0.01	<0.01			<0.01	<0.01	0.746	<0.01	<0.01
Aromatics >C5-C7		-	mg/l	0 of 8	No GAC	<0.01	<0.01				<0.01	<0.01			<0.01	<0.01				<0.01	<0.01	<0.01	<0.01
Aromatics >C35-44		-	mg/l	0 of 0	No GAC																		
Aliphatics & Aromatics >C5-35		-	mg/l	4 of 8	No GAC	<0.01	14				0.055	<0.01			<0.01	0.655				0.321	14	<0.01	<0.01
Aliphatics & Aromatics >C5-44		-	mg/l	0 of 0	No GAC																		
Polycyclic aromatic hydrocarbons																						
Acenaphthene		-	mg/l	0 of 9	No GAC	<0.00001	<0.004				<0.00001	<0.00001			<0.00001	<0.00001			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Dibenz(ah)anthracene		-	mg/l	1 of 9	No GAC	<0.00001	<0.004				<0.00001	<0.00001			<0.00001	0.00001			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Fluoranthene	6.3E-06	EQS	mg/l	6 of 9	6	<0.00001	<0.004				<0.00001	0.00001			0.00001	0.00009			0.00001	<0.00001	<0.004	0.00001	0.00001
Fluorene		-	mg/l	0 of 9	No GAC	<0.00001	<0.004				<0.00001	<0.00001			<0.00001	<0.00001			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Indeno(1,2,3-cd)pyrene		-	mg/l	5 of 9	No GAC	<0.00001	<0.004				0.00001	<0.00001			0.00001	0.00004			0.00001	<0.001	<0.004	<0.00001	0.00001
Phenanthrene		-	mg/l	1 of 9	No GAC	<0.00001	<0.004				<0.00001	<0.00001			<0.00001	0.00002			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Pyrene		-	mg/l	7 of 9	No GAC	0.00002	0.00004				0.00002	0.00002			0.00003	0.00014			0.00004	<0.001	<0.004	0.00003	0.00004
Naphthalene	0.002	EQS	mg/l	0 of 9	0	<0.0001	<0.004				<0.0001	<0.0001			<0.0001	<0.0001			<0.0001	<0.0001	<0.004	<0.0001	<0.0001
PAH, Total Detected USEPA 16		-	mg/l	5 of 9	No GAC	<0.00008	0.0122				<0.00008	<0.00008			<0.00008	0.00062			0.00009	0.00011	0.01220	<0.00008	0.00011
Acenaphthylene		-	mg/l	0 of 9	No GAC	<0.00001	<0.004				<0.00001	<0.00001			<0.00001	<0.00001			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Anthracene	0.0001	EQS	mg/l	1 of 9	0	<0.00001	<0.004				<0.00001	<0.00001			<0.00001	0.00001			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Benzo(a)anthracene		-	mg/l	1 of 9	No GAC	<0.00001	<0.004				<0.00001	<0.00001			<0.00001	0.00003			<0.00001	<0.00001	<0.004	<0.00001	<0.00001
Benzo(g,h,i) perylene		-	mg/l	3 of 9	No GAC	<0.00001	<0.004				<0.00001	<0.00001			0.00001	0.00006			0.00001	<0.00001	<0.004	<0.00001	<0.00001
Benzo(a)pyrene	1.7E-07	EQS	mg/l	6 of 9	6	<0.00001	<0.004				<0.00001	0.00001			0.00001	0.00006			0.00001	<0.001	<0.004	0.00001	0.00001
Benzo(b)fluoranthene		-	mg/l	7 of 9	No GAC	0.00001	<0.004				0.00001	0.00001			0.00001	0.00008			0.00002	<0.001	<0.004	0.00001	0.00002
Benzo(k)fluoranthene		-	mg/l	2 of 9	No GAC	<0.00001	<0.004				<0.00001	<0.00001			<0.00001	0.00004			<0.00001	<0.00001	<0.004	<0.00001	0.00001
Chrysene		-	mg/l	2 of 9	No GAC	<0.00001	<0.004				<0.00001	<0.00001			<0.00001	0.00003			<0.00001	<0.00001	<0.004	<0.00001	0.00001

V1.0.0

Concentration exceeds GAC	100
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50
Concentration lower than Limit of Detection	< 0.1

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Hole Ref	Canal 1	Canal 1	Canal 1	Canal 1	Canal 2	Canal 2	Canal 2	Canal 2	Canal 3	Canal 3	Canal 3	Canal 3	Canal 3	Canal 4	Canal 4
								Sample Ref Easting	1A	2A	1A	2A	1A	2A	1A	2A	1A	2A	1A	1AA	2A	1A	2A
								Northing															
								Hole Elevation (mOD)															
								Sample Date	31/10/2024	13/11/2024	03/03/2025	02/04/2025	31/10/2024	13/11/2024	03/03/2025	01/04/2025	31/10/2024	13/11/2024	03/03/2025	31/03/2025	01/04/2025	03/03/2025	02/04/2025
								Investigation	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Benzene Toluene Ethylene benzene Xylene																							
Benzene	0.01	EQS	mg/l	0 of 8	0	<0.001	<0.001				<0.001	<0.001			<0.001	<0.001				<0.001	<0.001	<0.001	<0.001
Toluene	0.074	EQS	mg/l	1 of 8	0	<0.001	0.00127				<0.001	<0.001			<0.001	<0.001				<0.001	0.00127	<0.001	<0.001
Ethylbenzene	0.02	EQS*	mg/l	0 of 8	0	<0.001	<0.001				<0.001	<0.001			<0.001	<0.001				<0.001	<0.001	<0.001	<0.001
o-Xylene	0.03	EQS*	mg/l	0 of 8	0	<0.001	<0.001				<0.001	<0.001			<0.001	<0.001				<0.001	<0.001	<0.001	<0.001
m,p xylenes	0.03	EQS*	mg/l	0 of 8	0	<0.001	<0.001				<0.001	<0.001			<0.001	<0.001				<0.001	<0.001	<0.001	<0.001
Sum Xylene	0.03	EQS*	mg/l	0 of 8	0	<0.002	<0.002				<0.002	<0.002			<0.002	<0.002				<0.002	<0.002	<0.002	<0.002
Total BTEX		-	mg/l	0 of 8	No GAC	<0.005	<0.005				<0.005	<0.005			<0.005	<0.005				<0.005	<0.005	<0.005	<0.005
VOC/SVOC																							
Methyl tertiary butyl ether (MTBE)	0	-	mg/l	0 of 8	0	<0.001	<0.001				**<0.001**	**<0.001**			**<0.001**	**<0.001**				**<0.001**	**<0.001**	**<0.001**	**<0.001**
Styrene	0.05	EQS*	mg/l	0 of 2	0	<0.001	<0.001													<0.001	<0.001		
cis-1,3-Dichloropropene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
trans-1,3-Dichloropropene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Propylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
n-Butylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
4-Chlorotoluene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,4-Dichlorobenzene	0.02	EQS*	mg/l	0 of 2	0	<0.001	<0.004													<0.001	<0.004		
1,2-Dibromoethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,2-Dichloroethane	0.01	EQS	mg/l	0 of 2	0	<0.001	<0.001													<0.001	<0.001		
1,3,5-Trimethylbenzene	0	-	mg/l	1 of 2	1	<0.001	0.00117													**<0.001**	0.00117		
Bromobenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Chlorobenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,2,4-Trichlorobenzene	0.0004	EQS	mg/l	0 of 2	0	<0.001	<0.004													**<0.001**	**<0.004**		
Dibromochloromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Tetrachloroethene	0.01	EQS	mg/l	0 of 2	0	<0.001	<0.001													<0.001	<0.001		
sec-Butylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,3-Dichloropropane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
cis-1,2-Dichloroethene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
trans-1,2-Dichloroethene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,3-Dichlorobenzene	0.02	EQS*	mg/l	0 of 2	0	<0.001	<0.004													<0.001	<0.004		
Carbon tetrachloride	0.012	EQS	mg/l	0 of 2	0	<0.001	<0.001													<0.001	<0.001		
1,1-Dichloropropene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,1,1,2-Tetrachloroethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Chloroform	0.0025	EQS	mg/l	0 of 2	0	<0.001	<0.001													<0.001	<0.001		
1,1,1-Trichloroethane	0.1	EQS*	mg/l	0 of 2	0	<0.001	<0.001													<0.001	<0.001		
Bromomethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Chloromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Dibromomethane	0.02	EQS	mg/l	0 of 2	0	<0.001	<0.001													<0.001	<0.001		
Bromochloromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Chloroethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Vinyl chloride	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Bromoform	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Bromodichloromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,1-Dichloroethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,1-Dichloroethene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Trichlorofluoromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Dichlorodifluoromethane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,2-Dichloropropane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,1,2-Trichloroethane	0.4	EQS*	mg/l	0 of 2	0	<0.001	<0.001													<0.001	<0.001		
Trichloroethene	0.01	EQS	mg/l	0 of 2	0	<0.001	<0.001													<0.001	<0.001		
1,2,3-Trichlorobenzene	0.0004	EQS	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Hexachlorobutadiene	0	-	mg/l	0 of 2	0	<0.001	<0.004													**<0.001**	**<0.004**		
2-Chlorotoluene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,2-Dichlorobenzene	0.02	EQS*	mg/l	0 of 2	0	<0.001	<0.004													<0.001	<0.004		
1,2,4-Trimethylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,2-Dibromo-3-chloropropane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,2,3-Trichloropropane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
tert-Butylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Isopropylbenzene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
4-iso-Propyltoluene	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,3,5-Trichlorobenzene	0.0004	EQS	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
2,2-Dichloropropane	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
Dichloromethane	0.02	EQS	mg/l	0 of 2	0	<0.003	<0.003													<0.003	<0.003		
Carbon disulphide	0	-	mg/l	0 of 2	0	<0.001	<0.001													**<0.001**	**<0.001**		
1,1,2,2-Tetrachloroethane	0.14	EQS	mg/l	0 of 2	0	<0.001	<0.001													<0.001	<0.001		

V1.0.0

Concentration exceeds GAC	100
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50
Concentration lower than Limit of Detection	< 0.1

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Canal 1	Canal 1	Canal 1	Canal 1	Canal 2	Canal 2	Canal 2	Canal 2	Canal 3	Canal 3	Canal 3	Canal 3	Canal 3	Canal 4	Canal 4
Hole Ref								Canal 1	Canal 1	Canal 1	Canal 1	Canal 2	Canal 2	Canal 2	Canal 2	Canal 3	Canal 3	Canal 3	Canal 3	Canal 3	Canal 4	Canal 4
Sample Ref Easting								1A	2A	1A	2A	1A	2A	1A	2A	1A	2A	1A	1AA	2A	1A	2A
Northing																						
Hole Elevation (mOD)																						
Sample Date								31/10/2024	13/11/2024	03/03/2025	02/04/2025	31/10/2024	13/11/2024	03/03/2025	01/04/2025	31/10/2024	13/11/2024	03/03/2025	31/03/2025	01/04/2025	03/03/2025	02/04/2025
Investigation								Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2024	Concept 2024	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
SVOC/SVOC																						
4-Nitrophenol	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
4-Bromophenylphenylether	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2,4-Dimethylphenol	0.1	EQS*	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
4-Methylphenol	0.1	EQS*	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
bis(2-Chloroethyl)ether	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
bis(2-Chloroethoxy)methane	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
bis(2-Ethylhexyl) phthalate	0.0013	EQS	mg/l	0 of 2	0	<0.002	<0.008												<0.002	<0.008		
n-Dioctyl phthalate	0.02	EQS*	mg/l	0 of 2	0	<0.005	<0.02												<0.005	<0.02		
Hexachlorobenzene	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2,4-Dichlorophenol	0.0042	EQS	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2,4-Dinitrotoluene	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Dimethyl phthalate	0.8	EQS*	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Dibenzofuran	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
4-Chloro-3-methylphenol	0.04	EQS*	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2,6-Dinitrotoluene	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
n-Nitroso-n-dipropylamine	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Hexachloroethane	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Isophorone	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Diethyl phthalate	0.2	EQS*	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
n-Dibutyl phthalate	0.008	EQS*	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Butylbenzyl phthalate	0.0075	EQS	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Carbazole	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2,4,6-Trichlorophenol	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2-Nitrophenol	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2-Methylnaphthalene	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2-Chloronaphthalene	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2-Methylphenol	0.1	EQS*	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2-Chlorophenol	0.05	EQS*	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
2,4,5-Trichlorophenol	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Nitrobenzene	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Hexachlorocyclopentadiene	0	-	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
Pentachlorophenol	0.0004	EQS	mg/l	0 of 2	0	<0.001	<0.004												<0.001	<0.004		
4-Nitroaniline			mg/l	0 of 2	No GAC	<0.001	<0.004												<0.001	<0.004		
Azobenzene			mg/l	0 of 2	No GAC	<0.001	<0.004												<0.001	<0.004		
4-Chloroaniline			mg/l	0 of 2	No GAC	<0.001	<0.004												<0.001	<0.004		
4-Chlorophenylphenylether			mg/l	0 of 2	No GAC	<0.001	<0.004												<0.001	<0.004		
2-Nitroaniline			mg/l	0 of 2	No GAC	<0.001	<0.004												<0.001	<0.004		
3-Nitroaniline			mg/l	0 of 2	No GAC	<0.001	<0.004												<0.001	<0.004		
ZNS																						
PFOS Linear	0.00065	EQS	mg/l	15 of 15	0	0.000005	0.0000347	0.0000080	0.0000106	0.0000070	0.0000050	0.0000064	0.0000115	0.0000050	0.0000048	0.0000095	0.0000102	0.0000222	0.0000347	0.0000100	0.0000215	0.0000050
Branched PFOS	0.00065	EQS	mg/l	15 of 15	0	0.000007	0.0000314	0.00000873	0.0000105	0.000016	0.00000787	0.0000083	0.00000809	0.00001	0.00000835	0.00000868	0.0000117	0.00002	0.0000314	0.0000154	0.0000187	0.00000681
Total PFOS	0.00065	EQS	mg/l	15 of 15	0	0.000012	0.000066	0.0000167	0.0000211	0.000023	0.0000128	0.0000147	0.0000196	0.000015	0.0000132	0.0000182	0.0000219	0.0000422	0.000066	0.0000255	0.0000402	0.0000118
PFOA	0.00065	EQS	mg/l	15 of 15	0	0.000009	0.0000354	0.0000139	0.0000131	0.0000352	0.0000111	0.0000124	0.0000093	0.0000177	0.0000114	0.0000121	0.0000187	0.0000305	0.0000354	0.0000153	0.0000312	0.0000103
PFEESA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
HFPO-DA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
HFPO-TA			mg/l	0 of 15	No GAC	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
PFecHS			mg/l	12 of 15	No GAC	0.000001	<0.00001	0.00000159	0.0000012	0.00000579	0.00000187	0.00000138	<0.00001	0.00000264	0.00000147	<0.00001	0.0000018	0.00000239	<0.00001	0.00000165	0.00000183
NFDHA			mg/l	0 of 15	No GAC	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PFODA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
EtFOSE			mg/l	0 of 15	No GAC	<0.00001	<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.00001	<0.00001	<0.00001	<0.00005	<0.00001	<0.00001	<0.00001	<0.00005	<0.00001	<0.00001
PFTrDS			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Perfluoroundecanoic acid			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MeFOSAA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
MeFOSE			mg/l	0 of 15	No GAC	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
PFPA Perfluoropentanoic acid			mg/l	15 of 15	No GAC	0.000010	0.0000533	0.0000139	0.0000178	0.000026	0.0000127	0.0000134	0.0000167	0.0000126	0.0000113	0.0000139	0.0000261	0.0000438	0.0000533	0.0000153	0.0000394	0.00000983
PFPeS (Perfluoro-1-pentanesulfonate)			mg/l	10 of 15	No GAC	0.000001	<0.00001	0.00000121	<0.00001	0.00000273	0.00000104	0.00000103	<0.00001	0.00000197	<0.00001	0.00000113	<0.00001	0.00000295	0.00000433	<0.00001	0.00000315	0.00000114
1H 1H 2H 2H-Perfluorooctanesulfonic acid			mg/l	7 of 15	No GAC	0.000001	<0.00001	0.00000129	0.00000121	0.0000021	<0.00001	<0.00001	<0.00001	0.00000164	<0.00001	<0.00001	<0.00001	0.00000549	0.00000991	<0.00001	0.00000375	<0.00001
EtFOSAA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
FBSA			mg/l	3 of 15	No GAC	0.000003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.0000034	0.0000052	<0.00001	0.00000418	<0.00001
PFHxA Perfluorohexanoic acid			mg/l	15 of 15	No GAC	0.000010	0.000043	0.0000106	0.0000128	0.0000242	0.0000105	0.00000956	0.0000104	0.0000104	0.00000979	0.00000954	0.0000138	0.0000292	0.000043	0.0000143	0.0000237	0.0000095
PFDoA Perfluorondodecanoic acid			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
N-MeFOSA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFDA Perfluorondecanoic acid			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFDS			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
6:2 FTAB			mg/l	0 of 15	No GAC	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
PFHxS Perfluoro-1-hexanesulfonate			mg/l	15 of 15	No GAC	0.000007	0.0000262	0.00000689	0.0000118	0.0000135	0.00000875	0.00000743	0.0000143	0.00000828	0.0000102	0.00000702	0.0000144	0.0000151	0.0000262	0.000015	0.0000159	0.00000823
3:3 FTCA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFBA Perfluoronbutanoic acid			mg/l	15 of 15	No GAC	0.000016	0.000036	0.0000168	0.0000222	0.000036	0.0000192	0.0000194	0.000017	0.0000303	0.0000195	0.0000163	0.0000205	0.0000224	0.0000345	0.0000176	0.0000247	0.0000168
PFBS Perfluoro-1-butanesulfonate			mg/l	13 of 15	No GAC	0.000004	0.0000177	0.00000424	0.00000434	0.00000979	0.00000451	0.00000414	<0.00001	0.00000734	0.00000522	0.00000371	<0.00001	0.0000127	0.0000177	0.0000084	0.0000115	0.00000467
PFHpA Perfluoronheptanoic acid			mg/l	14 of 15	No GAC	0.000006	0.0000222	0.00000679	0.00000563	0.0000191	0.0000078	0.00000704	<0.00001	0.0000651	0.00000646	0.00000676	0.0000074	0.0000163	0.0000222	0.00000852	0.0000169	0.00000627
PFHpS Perfluoro-1-heptanesulfonate			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFNA Perfluorononanoic acid			mg/l	6 of 15	No GAC	0.000001	<0.00001	0.00000136	<0.00001	<0.00001	<0.00001	0.00000118	<0.00001	<0.00001	<0.00001	0.00000128	<0.00001	0.00000173	0.00000262	<0.00001	0.00000198	<0.00001
PFTeA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFMOPrA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
8:2 FTS			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
N-EtFOSA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
FHxSA			mg/l	5 of 15	No GAC	0.000001	<0.00001	0.00000101	0.0000015	<0.00001	<0.00001	0.00000119	<0.00001	<0.00001	0.00000136	0.00000114	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFHxDA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFNS			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFTrDA			mg/l	0 of 15	No GAC	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
PFUnDS			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFOSA Perfluoro-octanesulfonamide			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
9Cl-PF3ONS			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
4:2 FTS			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
11Cl-PF3OUdS			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
PFDoS			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
7:3 FTCA			mg/l	0 of 15	No GAC	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003	<0.00003
PFMOBA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
5:3 FTCA			mg/l	0 of 15	No GAC	<0.00001	<0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00003	<0.00001	<0.00001	<0.00001	<0.00003	<0.00001	<0.00001	<0.00001	<0.00003	<0.00001	<0.00001
ADONA			mg/l	0 of 15	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001

V1.0.0								ATTENUATION POND	ATTENUATION POND	ATTENUATION POND	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 2A	DRAINAGE 2A
Concentration exceeds GAC		100					Sample Ref	1A	1AA	2A	1A	1AA	2A	1A	2A
Limit of Detection value exceeds GAC		<0.1					Easting								
Concentration exceeds saturation value but not GAC		50					Northing								
Concentration lower than Limit of Detection		< 0.1													
							Sample Date	03/03/2025	31/03/2025	02/04/2025	03/03/2025	01/04/2025	02/04/2025	03/03/2025	01/04/2025
							Investigation	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Contaminant Name	**GAC**	**GAC Source**	**Units**	**Total > LOD**	**Total > GAC**	**Min**	**Max**								
Metal/Metalloid															
Chromium - Hexavalent	0.0034	EQS	mg/l	1 of 7	1	<0.003	<0.06	0.00502	<0.003	<0.003		<0.015	<0.06	<0.06	<0.003
Lead	0.00833	EQS	mg/l	4 of 6	0	<0.0002	0.00195	0.00195	0.00074	0.00104		0.00042		<0.0002	<0.0002
Mercury		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001
Nickel	0.0168	EQS	mg/l	6 of 6	4	0.00223	0.0469	0.0388	0.0455	0.0469		0.0263		0.00223	0.00321
Antimony		-	mg/l	4 of 6	No GAC	<0.001	0.00226	0.00226	0.00177	0.00171		0.00104		<0.001	<0.001
Arsenic	0.05	EQS	mg/l	6 of 6	0	0.00068	0.00187	0.00117	0.00176	0.00187		0.00162		0.00068	0.00078
Beryllium		-	mg/l	0 of 6	No GAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001		<0.0001	<0.0001
Cadmium	0.00008	EQS	mg/l	1 of 6	1	<0.00008	0.00038	0.00038	<0.00008	<0.00008		<0.00008		<0.00008	<0.00008
Chromium	0.0047	EQS	mg/l	2 of 6	1	<0.001	0.00546	0.00546	<0.001	<0.001		0.00137		<0.001	<0.001
Copper	0.0296	EQS	mg/l	6 of 6	1	0.00033	0.0315	0.0315	0.00575	0.0047		0.00596		0.00185	0.00033
Vanadium	0.02	EQS	mg/l	2 of 6	0	<0.001	0.00628	0.00108	<0.001	<0.001		0.00628		<0.001	<0.001
Zinc	0.0379	EQS	mg/l	6 of 6	1	0.0108	0.0575	0.0575	0.0227	0.0205		0.0206		0.0144	0.0108
Calcium		-	mg/l	6 of 6	No GAC	32.7	107	107	91.1	88.6		77.6		32.7	43.6
Selenium	0.01	UK DWS	mg/l	0 of 6	0	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		<0.001	<0.001
Manganese	0.123	EQS	mg/l	5 of 6	3	<0.003	0.702	<0.003	0.0104	0.0179		0.43		0.266	0.702
Inorganic															
pH value		EQS*	pH Units	8 of 8	No GAC	6.05	8.1	8.02	8.1	7.67	6.05	7.61	7.36	7.42	7.12
Cyanide - total	0.001	EQS	mg/l	0 of 8	0	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloride	250	EQS	mg/l	7 of 7	2	3.5	281	224	281	269		51.6	139	3.5	9.2
Ammoniacal Nitrogen as NH3		-	mg/l	5 of 7	No GAC	<0.2	22	0.43	<0.2	<0.2		4.37	22	1.38	2.71
Ammoniacal nitrogen (as N)	0.3	EQS	mg/l	5 of 7	5	<0.2	18.1	0.354	<0.2	<0.2		3.6	18.1	1.14	2.23
Dissolved organic carbon (DOC)		-	mg/l	5 of 7	No GAC	10.3	23.2	12.7	18	17		-	-	10.3	23.2
Hardness,Total as CaC03		-	mg/l	7 of 7	No GAC	120	5660	327	380	377		232	5660	2100	120
Phenol and mineral oils															
Phenol - total	0.0077	EQS	mg/l	5 of 8	5	<0.002	1.87	<0.002	<0.002	<0.002	0.06	0.48	1.21	0.01	1.87
Phenol (Monohydric)	0.0077	EQS	mg/l	5 of 8	5	<0.016	1.95	<0.016	<0.016	<0.016	0.31	0.7	1.93	0.1	1.95
Xylenols		-	mg/l	2 of 8	No GAC	<0.008	0.25	<0.008	<0.008	<0.008	0.25	0.03	<0.08	<0.008	<0.016
Cresols		-	mg/l	4 of 8	No GAC	<0.006	0.72	<0.006	<0.006	<0.006	<0.06	0.19	0.72	0.09	0.08
Total petroleum hydrocarbons															
Aliphatics >C5-6	15	WHO	mg/l	2 of 7	0	<0.01	0.047	<0.01	<0.01	<0.01		0.019	0.047	<0.01	<0.01
Aliphatics >C6-8	15	WHO	mg/l	2 of 6	0	<0.01	1.49	<0.01	<0.01			0.127	1.49	<0.01	<0.01
Aliphatics >C8-10	0.3	WHO	mg/l	3 of 7	2	<0.01	14.3	<0.01	<0.01	0.228		0.819	14.3	<0.01	<0.01
Aliphatics >C10-12	0.3	WHO	mg/l	3 of 7	3	<0.01	15.4	<0.01	<0.01	0.918		2.44	15.4	<0.01	<0.01
Aliphatics >C12-16	0.3	WHO	mg/l	4 of 8	4	<0.01	135000	<0.01	<0.01	5.86	135000	861	5360	<0.1	<0.01
Aliphatics >C16-21		-	mg/l	4 of 8	No GAC	<0.01	202000	<0.01	<0.01	10.4	202000	1220	8120	<0.1	<0.01
Aliphatics >C21-35		-	mg/l	5 of 8	No GAC	<0.01	31500	<0.01	<0.01	1.58	31500	165	1080	<0.1	0.453
Aliphatics >C12-35		-	mg/l	5 of 8	No GAC	<0.01	369000	<0.01	<0.01	17.8	369000	2250	14600	<0.1	0.453
Aliphatics >C35-44		-	mg/l	0 of 0	No GAC										
Aliphatics >C5-C44		-	mg/l	0 of 0	No GAC										
Aromatics >C7-8	0.7	WHO	mg/l	1 of 7	0	<0.01	0.048	<0.01	<0.01	<0.01		<0.01	0.048	<0.01	<0.01
Aromatics >C8-10	0.3	WHO	mg/l	3 of 7	2	<0.01	10.5	<0.01	<0.01	0.155		0.644	10.5	<0.01	<0.01
Aromatics >C10-12	0.09	WHO	mg/l	3 of 7	3	<0.01	10.3	<0.01	<0.01	0.612		1.63	10.3	<0.01	<0.01
Aromatics >C12-16	0.09	WHO	mg/l	5 of 8	4	<0.01	20100	<0.01	<0.01	1.05	20100	193	1120	<0.1	0.0446
Aromatics >C16-21	0.09	WHO	mg/l	4 of 8	4	<0.01	6860	<0.01	<0.01	0.264	6860	36.8	256	<0.1	<0.01
Aromatics >C21-35	0.09	WHO	mg/l	4 of 8	4	<0.01	2260	<0.01	<0.01	0.16	2260	10.3	82.9	<0.1	<0.01
Aromatics >C12-35		-	mg/l	5 of 8	No GAC	<0.01	29200	<0.01	<0.01	1.47	29200	240	1460	<0.1	0.0446
Aromatics >C5-C7		-	mg/l	0 of 7	No GAC	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01
Aromatics >C35-44		-	mg/l	0 of 0	No GAC										
Aliphatics & Aromatics >C5-35		-	mg/l	3 of 6	No GAC	<0.01	2490	<0.01	<0.01	21.2		2490		<0.01	0.52
Aliphatics & Aromatics >C5-44		-	mg/l	0 of 0	No GAC										
Polycyclic aromatic hydrocarbons															
Acenaphthene		-	mg/l	5 of 7	No GAC	<0.00001	0.148	0.00002	<0.00001	0.00041		0.00287	0.148	0.00004	<0.00005
Dibenz(ah)anthracene		-	mg/l	3 of 7	No GAC	<0.00001	<0.1	0.00003	<0.00001	0.00013		<0.0001	<0.1	0.00004	<0.00005
Fluoranthene	6.3E-06	EQS	mg/l	5 of 7	5	<0.00001	<0.1	0.00048	<0.00001	0.00245		0.00174	<0.1	0.0013	0.00014
Fluorene		-	mg/l	5 of 7	No GAC	<0.00001	0.294	0.00002	<0.00001	0.00144		0.0102	0.294	0.00008	<0.00005
Indeno(1,2,3-cd)pyrene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1	0.00018	<0.00001	0.00102		0.00034	<0.1	0.00028	<0.00005
Phenanthrene		-	mg/l	6 of 7	No GAC	<0.00001	0.571	0.00009	<0.00001	0.00213		0.0217	0.571	0.00052	0.00009
Pyrene		-	mg/l	6 of 7	No GAC	<0.00001	0.117	0.0004	<0.00001	0.00265		0.00446	0.117	0.00115	0.00013
Naphthalene	0.002	EQS	mg/l	4 of 7	3	<0.0001	5.77	<0.0001	<0.0001	0.00552		0.00352	5.77	0.00015	<0.001
PAH, Total Detected USEPA 16		-	mg/l	4 of 7	No GAC	<0.00008	0.0481	0.00237	<0.00008	0.0222		0.0481	-	0.00577	<0.00082
Acenaphthylene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1	0.00001	<0.00001	0.00001		0.00059	<0.1	0.00001	<0.00005
Anthracene	0.0001	EQS	mg/l	4 of 7	3	<0.00001	<0.1	0.00002	<0.00001	0.00027		0.0005	<0.1	0.0002	<0.00005
Benzo(a)anthracene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1	0.00011	<0.00001	0.00088		0.00034	<0.1	0.0003	<0.00005
Benzo(g,h,i) perylene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1	0.00018	<0.00001	0.00089		0.00017	<0.1	0.00034	<0.00005
Benzo(a)pyrene	1.7E-07	EQS	mg/l	5 of 7	5		<0.1	0.00018	<0.00000	0.00101		0.00038	<0.1	0.00033	0.00003
Benzo(b)fluoranthene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1	0.00037	<0.00001	0.00165		0.00061	<0.1	0.0005	<0.00005
Benzo(k)fluoranthene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1	0.0001	<0.00001	0.00063		0.00025	<0.1	0.00016	<0.00005
Chrysene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1	0.00019	<0.00001	0.00116		0.00046	<0.1	0.00037	<0.00005
BTEX															

V1.0.0								ATTENUATION POND	ATTENUATION POND	ATTENUATION POND	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 2A	DRAINAGE 2A
Concentration exceeds GAC		100					**Hole Ref**								
Limit of Detection value exceeds GAC		<0.1					**Sample Ref**	1A	1AA	2A	1A	1AA	2A	1A	2A
Concentration exceeds saturation value but not GAC		50					**Easting**								
Concentration lower than Limit of Detection		< 0.1					**Northing**								
							Sample Date	03/03/2025	31/03/2025	02/04/2025	03/03/2025	01/04/2025	02/04/2025	03/03/2025	01/04/2025
							Investigation	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Contaminant Name	**GAC**	**GAC Source**	**Units**	**Total > LOD**	**Total > GAC**	**Min**	**Max**								
Benzene	0.01	EQS	mg/l	0 of 7	0	<0.001	<0.1	<0.001	<0.001	<0.001		<0.001	<0.1	<0.001	<0.001
Toluene	0.074	EQS	mg/l	3 of 7	1	<0.001	0.316	<0.001	<0.001	<0.001		0.00641	0.316	<0.001	0.0015
Ethylbenzene	0.02	EQS*	mg/l	2 of 7	1	<0.001	0.899	<0.001	<0.001	<0.001		0.00756	0.899	<0.001	<0.001
o-Xylene	0.03	EQS*	mg/l	3 of 7	2	<0.001	2.64	<0.001	<0.001	0.00167		0.0355	2.64	<0.001	<0.001
m,p xylenes	0.03	EQS*	mg/l	3 of 7	2	<0.001	4.83	<0.001	<0.001	0.00192		0.0448	4.83	<0.001	<0.001
Sum Xylene	0.03	EQS*	mg/l	3 of 7	2	<0.002	7.47	<0.002	<0.002	0.00359		0.0803	7.47	<0.002	<0.002
Total BTEX		-	mg/l	2 of 7	No GAC	<0.005	8.69	<0.005	<0.005	<0.005		0.0942	8.69	<0.005	<0.005
VOC/SVOC															
Methyl tertiary butyl ether (MTBE)		-	mg/l	0 of 7	No GAC	<0.001	<0.1	<0.001	<0.001	<0.001		<0.001	<0.1	<0.001	<0.001
Styrene	0.05	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
cis-1,3-Dichloropropene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
trans-1,3-Dichloropropene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Propylbenzene		-	mg/l	1 of 1	No GAC	2.51	2.51						2.51		
n-Butylbenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
4-Chlorotoluene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,4-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
1,2-Dibromoethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,2-Dichloroethane	0.01	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
1,3,5-Trimethylbenzene		-	mg/l	1 of 1	No GAC	7.16	7.16						7.16		
Bromobenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Chlorobenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,2,4-Trichlorobenzene	0.0004	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
Dibromochloromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Tetrachloroethene	0.01	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
sec-Butylbenzene		-	mg/l	1 of 1	No GAC	2.02	2.02						2.02		
1,3-Dichloropropane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
cis-1,2-Dichloroethene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
trans-1,2-Dichloroethene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,3-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
Carbon tetrachloride	0.012	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
1,1-Dichloropropene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,1,1,2-Tetrachloroethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Chloroform	0.0025	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
1,1,1-Trichloroethane	0.1	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
Bromomethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Chloromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Dibromomethane	0.02	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
Bromochloromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Chloroethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Vinyl chloride		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Bromoform		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Bromodichloromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,1-Dichloroethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,1-Dichloroethene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Trichlorofluoromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Dichlorodifluoromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,2-Dichloropropane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,1,2-Trichloroethane	0.4	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
Trichloroethene	0.01	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
1,2,3-Trichlorobenzene	0.0004	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
Hexachlorobutadiene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
2-Chlorotoluene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,2-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
1,2,4-Trimethylbenzene		-	mg/l	1 of 1	No GAC	22.8	22.8						22.8		
1,2-Dibromo-3-chloropropane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,2,3-Trichloropropane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
tert-Butylbenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Isopropylbenzene		-	mg/l	1 of 1	No GAC	0.926	0.926						0.926		
4-iso-Propyltoluene		-	mg/l	1 of 1	No GAC	1.9	1.9						1.9		
1,3,5-Trichlorobenzene	0.0004	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
2,2-Dichloropropane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Dichloromethane	0.02	EQS	mg/l	0 of 1	0	<0.3	<0.3						<0.3		
Carbon disulphide		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
1,1,2,2-Tetrachloroethane	0.14	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
SVOC/SVOC															
4-Nitrophenol		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
4-Bromophenylphenylether		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
2,4-Dimethylphenol	0.1	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
4-Methylphenol	0.1	EQS*	mg/l	1 of 1	1	0.645	0.645						0.645		
bis(2-Chloroethyl)ether		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		

V1.0.0					Hole Ref			ATTENUATION POND	ATTENUATION POND	ATTENUATION POND	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 2A	DRAINAGE 2A
Concentration exceeds GAC		100			Sample Ref			1A	1AA	2A	1A	1AA	2A	1A	2A
Limit of Detection value exceeds GAC		<0.1			Easting										
Concentration exceeds saturation value but not GAC		50			Northing										
Concentration lower than Limit of Detection		< 0.1													
					Sample Date			03/03/2025	31/03/2025	02/04/2025	03/03/2025	01/04/2025	02/04/2025	03/03/2025	01/04/2025
					Investigation			Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Contaminant Name	**GAC**	**GAC Source**	**Units**	**Total > LOD**	**Total > GAC**	**Min**	**Max**								
bis(2-Chloroethoxy)methane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
bis(2-Ethylhexyl) phthalate	0.0013	EQS	mg/l	1 of 1	1	1.17	1.17						1.17		
n-Dioctyl phthalate	0.02	EQS*	mg/l	0 of 1	0	<0.5	<0.5						<0.5		
Hexachlorobenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
2,4-Dichlorophenol	0.0042	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
2,4-Dinitrotoluene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Dimethyl phthalate	0.8	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
Dibenzofuran		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
4-Chloro-3-methylphenol	0.04	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
2,6-Dinitrotoluene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
n-Nitroso-n-dipropylamine		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Hexachloroethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Isophorone		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Diethyl phthalate	0.2	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
n-Dibutyl phthalate	0.008	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
Butylbenzyl phthalate	0.0075	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
Carbazole		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
2,4,6-Trichlorophenol		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
2-Nitrophenol		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
2-Methylnaphthalene		-	mg/l	1 of 1	No GAC	7.36	7.36						7.36		
2-Chloronaphthalene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
2-Methylphenol	0.1	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
2-Chlorophenol	0.05	EQS*	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
2,4,5-Trichlorophenol		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Nitrobenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Hexachlorocyclopentadiene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Pentachlorophenol	0.0004	EQS	mg/l	0 of 1	0	<0.1	<0.1						<0.1		
4-Nitroaniline		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Azobenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
4-Chloroaniline		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
4-Chlorophenylphenylether		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
2-Nitroaniline		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
3-Nitroaniline		-	mg/l	0 of 1	No GAC	<0.1	<0.1						<0.1		
Dibromofluoromethane		-	%	1 of 1	No GAC	107	107						107		
4-bromofluorobenzene		-	%	1 of 1	No GAC	81.2	81.2						81.2		
PFAS															
Total PFAS DWI 47	100	EQS	ng/l	6 of 12	3	<0.00009	573	497	538	573		<450		<90	<450
Linear PFOS			ng/l	8 of 12	No GAC	0.000001	11.9	8.2	11.9	10.6		<1		1.22	<1
Branched PFOS			ng/l	8 of 12	No GAC	0.000001	20.1	11.8	20.1	19.3		<1		1.02	<1
Total PFOS	0.65	EQS	ng/l	8 of 12	4	0.000002	32	20	32	30		<1		2.24	<1
PFOA	1.3	EQS	ng/l	6 of 12	3	<0.00001	48.8	35.5	41.5	48.8		<1		<1	<1
PFEESA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
HFPO-DA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
HFPO-TA			ng/l	0 of 12	No GAC	<0.00001	<3	<1	<1	<1		<3		<3	<3
PFecHS			ng/l	2 of 12	No GAC	0.000002	1.72	1.72	<1	<1		<1		<1	<1
NFDHA			ng/l	0 of 12	No GAC	<0.00001	<2	<1	<1	<1		<2		<2	<2
PFODA	65	EQS	ng/l	0 of 12	0	<0.00001	<1	<1	<1	<1		<1		<1	<1
EtFOSE			ng/l	0 of 12	No GAC	<0.00001	<5	<5	<1	<1		<5		<5	<5
PFTrDS			ng/l	0 of 12	No GAC	<0.000001	<1	<1	<1	<1		<1		<1	<1
PFUnDA	0.33	EQS	ng/l	0 of 12	0	<0.00001	<1	<1	<1	<1		<1		<1	<1
MeFOSAA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
MeFOSE			ng/l	0 of 12	No GAC	<0.00001	<5	<5	<5	<5		<5		<5	<5
PFPA			ng/l	6 of 12	No GAC	<0.00001	229	203	209	229		<1		<1	<1
PFPeS	2.2	EQS	ng/l	2 of 12	0	0.000001	1.29	1.29	<1	<1		<1		<1	<1
6:2 FTS			ng/l	6 of 12	No GAC	0.000005	157	23.6	<1	<1		157		4.57	<1
EtFOSAA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
FBSA			ng/l	2 of 12	No GAC	0.000001	1.19	1.19	<1	<1		<1		<1	<1
PFHxA	130	EQS	ng/l	8 of 12	0	0.000001	115	87.9	112	115		<1		1.42	<1
PFDoA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
N-MeFOSA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
PFDA	0.13	EQS	ng/l	0 of 12	0	<0.00001	<10	<10	<10	<10		<10		<10	<10
PFDS	0.65	EQS	ng/l	0 of 12	0	<0.00001	<1	<1	<1	<1		<1		<1	<1
6:2 FTAB			ng/l	8 of 12	No GAC	0.000011	115	65.4	115	107		<5		11.2	<5
PFHxS	2.17	EQS	ng/l	6 of 12	3	0.000005	11.7	5.47	11.7	7.72		<1		<1	<1
3:3 FTCA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
PFBA	22	EQS	ng/l	6 of 12	3	<0.00001	39	37	36.4	39		<1		<1	<1
PFBS	1300	EQS	ng/l	6 of 12	0	<0.00001	14.6	10.6	11.9	14.6		<10		<10	<10
PFHpA	1.3	EQS	ng/l	8 of 12	4	0.000001	82	63.3	73.2	82		<10		1.31	<10
PFHpS	0.65	EQS	ng/l	0 of 12	0	<0.00001	<10	<1	<1	<1		<10		<10	<10
PFNA	0.13	EQS	ng/l	6 of 12	3	0.000007	9.38	6.82	9.38	6.97		<1		<1	<1

V1.0.0								ATTENUATION POND	ATTENUATION POND	ATTENUATION POND	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 2A	DRAINAGE 2A
Concentration exceeds GAC		100					**Hole Ref**								
Limit of Detection value exceeds GAC		<0.1					**Sample Ref**	1A	1AA	2A	1A	1AA	2A	1A	2A
Concentration exceeds saturation value but not GAC		50					**Easting**								
Concentration lower than Limit of Detection		< 0.1					**Northing**								
							Sample Date	03/03/2025	31/03/2025	02/04/2025	03/03/2025	01/04/2025	02/04/2025	03/03/2025	01/04/2025
							Investigation	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Contaminant Name	**GAC**	**GAC Source**	**Units**	**Total > LOD**	**Total > GAC**	**Min**	**Max**								
PFTeA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
PFMOPrA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
8:2 FTS			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
N-EtFOSA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
FHxSA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
PFHxDA	65	EQS	ng/l	0 of 12	0	<0.00001	<1	<1	<1	<1		<1		<1	<1
PFNS			ng/l	0 of 12	No GAC	<0.00001	<10	<1	<1	<1		<10		<10	<10
PFTrDA	0.43	EQS	ng/l	0 of 12	0	<0.00001	<2	<2	<2	<2		<2		<2	<2
PFUnDS			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
PFOSA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
9Cl-PF3ONS			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
4:2 FTS			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
11Cl-PF3OUdS			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
PFDoS			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
7:3 FTCA			ng/l	0 of 12	No GAC	<0.00001	<3	<3	<3	<3		<3		<3	<3
PFMOBA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1
5:3 FTCA			ng/l	0 of 12	No GAC	<0.00001	<3	<3	<3	<3		<3		<3	<3
ADONA			ng/l	0 of 12	No GAC	<0.00001	<1	<1	<1	<1		<1		<1	<1

V1.0.0

Concentration exceeds GAC	100
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50
Concentration lower than Limit of Detection	< 0.1

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Hole Ref	ATTENUATION POND 1A	ATTENUATION POND 1AA	ATTENUATION POND 2A	DRAINAGE 1A 1A	DRAINAGE 1A 1AA	DRAINAGE 1A 2A	DRAINAGE 2A 1A	DRAINAGE 2A 2A
								Sample Ref								
								Easting								
								Northing								
								Sample Date	03/03/2025	31/03/2025	02/04/2025	03/03/2025	01/04/2025	02/04/2025	03/03/2025	01/04/2025
								Investigation	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
Metal/Metalloid																
Chromium - Hexavalent	0.0034	EQS	mg/l	1 of 7	1	<0.003	<0.06		0.00502	<0.003	<0.003		<0.015	<0.06	<0.06	<0.003
Lead	0.00833	EQS	mg/l	4 of 6	0	<0.0002	0.00195		0.00195	0.00074	0.00104		0.00042		<0.0002	<0.0002
Mercury		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001		<0.00001		<0.00001	<0.00001
Nickel	0.0168	EQS	mg/l	6 of 6	4	0.00223	0.0469		0.0388	0.0455	0.0469		0.0263		0.00223	0.00321
Antimony		-	mg/l	4 of 6	No GAC	<0.001	0.00226		0.00226	0.00177	0.00171		0.00104		<0.001	<0.001
Arsenic	0.05	EQS	mg/l	6 of 6	0	0.00068	0.00187		0.00117	0.00176	0.00187		0.00162		0.00068	0.00078
Beryllium		-	mg/l	0 of 6	No GAC	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001		<0.0001		<0.0001	<0.0001
Cadmium	0.00008	EQS	mg/l	1 of 6	1	<0.00008	0.00038		0.00038	<0.00008	<0.00008		<0.00008		<0.00008	<0.00008
Chromium	0.0047	EQS	mg/l	2 of 6	1	<0.001	0.00546		0.00546	<0.001	<0.001		0.00137		<0.001	<0.001
Copper	0.0296	EQS	mg/l	6 of 6	1	0.00033	0.0315		0.0315	0.00575	0.0047		0.00596		0.00185	0.00033
Vanadium	0.02	EQS	mg/l	2 of 6	0	<0.001	0.00628		0.00108	<0.001	<0.001		0.00628		<0.001	<0.001
Zinc	0.0379	EQS	mg/l	6 of 6	1	0.0108	0.0575		0.0575	0.0227	0.0205		0.0206		0.0144	0.0108
Calcium		-	mg/l	6 of 6	No GAC	32.7	107		107	91.1	88.6		77.6		32.7	43.6
Selenium	0.01	UK DWS	mg/l	0 of 6	0	<0.001	<0.001		<0.001	<0.001	<0.001		<0.001		<0.001	<0.001
Manganese	0.123	EQS	mg/l	5 of 6	3	<0.003	0.702		<0.003	0.0104	0.0179		0.43		0.266	0.702
Inorganic																
pH value		EQS*	pH Units	8 of 8	No GAC	6.05	8.1		8.02	8.1	7.67	6.05	7.61	7.36	7.42	7.12
Cyanide - total	0.001	EQS	mg/l	0 of 8	0	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloride	250	EQS	mg/l	7 of 7	2	3.5	281		224	281	269		51.6	139	3.5	9.2
Ammoniacal Nitrogen as NH3		-	mg/l	5 of 7	No GAC	<0.2	22		0.43	<0.2	<0.2		4.37	22	1.38	2.71
Ammoniacal nitrogen (as N)	0.3	EQS	mg/l	5 of 7	5	<0.2	18.1		0.354	<0.2	<0.2		3.6	18.1	1.14	2.23
Dissolved organic carbon (DOC)		-	mg/l	5 of 7	No GAC	10.3	23.2		12.7	18	17		-	-	10.3	23.2
Hardness,Total as CaC03		-	mg/l	7 of 7	No GAC	120	5660		327	380	377		232	5660	2100	120
Phenol and mineral oils																
Phenol - total	0.0077	EQS	mg/l	5 of 8	5	<0.002	1.87		<0.002	<0.002	<0.002	0.06	0.48	1.21	0.01	1.87
Phenol (Monohydric)	0.0077	EQS	mg/l	5 of 8	5	<0.016	1.95		<0.016	<0.016	<0.016	0.31	0.7	1.93	0.1	1.95
Xylenols		-	mg/l	2 of 8	No GAC	<0.008	0.25		<0.008	<0.008	<0.008	0.25	0.03	<0.08	<0.008	<0.016
Cresols		-	mg/l	4 of 8	No GAC	<0.006	0.72		<0.006	<0.006	<0.006	<0.06	0.19	0.72	0.09	0.08
Total petroleum hydrocarbons																
Aliphatics >C5-6	15	WHO	mg/l	2 of 7	0	<0.01	0.047		<0.01	<0.01	<0.01		0.019	0.047	<0.01	<0.01
Aliphatics >C6-8	15	WHO	mg/l	2 of 6	0	<0.01	1.49		<0.01	<0.01			0.127	1.49	<0.01	<0.01
Aliphatics >C8-10	0.3	WHO	mg/l	3 of 7	2	<0.01	14.3		<0.01	<0.01	0.228		0.819	14.3	<0.01	<0.01
Aliphatics >C10-12	0.3	WHO	mg/l	3 of 7	3	<0.01	15.4		<0.01	<0.01	0.918		2.44	15.4	<0.01	<0.01
Aliphatics >C12-16	0.3	WHO	mg/l	4 of 8	4	<0.01	135000		<0.01	<0.01	5.86	135000	861	5360	<0.1	<0.01
Aliphatics >C16-21		-	mg/l	4 of 8	No GAC	<0.01	202000		<0.01	<0.01	10.4	202000	1220	8120	<0.1	<0.01
Aliphatics >C21-35		-	mg/l	5 of 8	No GAC	<0.01	31500		<0.01	<0.01	1.58	31500	165	1080	<0.1	0.453
Aliphatics >C12-35		-	mg/l	5 of 8	No GAC	<0.01	369000		<0.01	<0.01	17.8	369000	2250	14600	<0.1	0.453
Aliphatics >C35-44		-	mg/l	0 of 0	No GAC											
Aliphatics >C5-C44		-	mg/l	0 of 0	No GAC											
Aromatics >C7-8	0.7	WHO	mg/l	1 of 7	0	<0.01	0.048		<0.01	<0.01	<0.01		<0.01	0.048	<0.01	<0.01
Aromatics >C8-10	0.3	WHO	mg/l	3 of 7	2	<0.01	10.5		<0.01	<0.01	0.155		0.644	10.5	<0.01	<0.01
Aromatics >C10-12	0.09	WHO	mg/l	3 of 7	3	<0.01	10.3		<0.01	<0.01	0.612		1.63	10.3	<0.01	<0.01
Aromatics >C12-16	0.09	WHO	mg/l	5 of 8	4	<0.01	20100		<0.01	<0.01	1.05	20100	193	1120	<0.1	0.0446
Aromatics >C16-21	0.09	WHO	mg/l	4 of 8	4	<0.01	6860		<0.01	<0.01	0.264	6860	36.8	256	<0.1	<0.01
Aromatics >C21-35	0.09	WHO	mg/l	4 of 8	4	<0.01	2260		<0.01	<0.01	0.16	2260	10.3	82.9	<0.1	<0.01
Aromatics >C12-35		-	mg/l	5 of 8	No GAC	<0.01	29200		<0.01	<0.01	1.47	29200	240	1460	<0.1	0.0446
Aromatics >C5-C7		-	mg/l	0 of 7	No GAC	<0.01	<0.01		<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01
Aromatics >C35-44		-	mg/l	0 of 0	No GAC											
Aliphatics & Aromatics >C5-35		-	mg/l	3 of 6	No GAC	<0.01	2490		<0.01	<0.01	21.2		2490		<0.01	0.52
Aliphatics & Aromatics >C5-44		-	mg/l	0 of 0	No GAC											
Polycyclic aromatic hydrocarbons																
Acenaphthene		-	mg/l	5 of 7	No GAC	<0.00001	0.148		0.00002	<0.00001	0.00041		0.00287	0.148	0.00004	<0.00005
Dibenz(ah)anthracene		-	mg/l	3 of 7	No GAC	<0.00001	<0.1		0.00003	<0.00001	0.00013		<0.0001	<0.1	0.00004	<0.00005
Fluoranthene	6.3E-06	EQS	mg/l	5 of 7	5	<0.00001	<0.1		0.00048	<0.00001	0.00245		0.00174	<0.1	0.0013	0.00014
Fluorene		-	mg/l	5 of 7	No GAC	<0.00001	0.294		0.00002	<0.00001	0.00144		0.0102	0.294	0.00008	<0.00005
Indeno(1,2,3-cd)pyrene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1		0.00018	<0.00001	0.00102		0.00034	<0.1	0.00028	<0.00005
Phenanthrene		-	mg/l	6 of 7	No GAC	<0.00001	0.571		0.00009	<0.00001	0.00213		0.0217	0.571	0.00052	0.00009
Pyrene		-	mg/l	6 of 7	No GAC	<0.00001	0.117		0.0004	<0.00001	0.00265		0.00446	0.117	0.00115	0.00013
Naphthalene	0.002	EQS	mg/l	4 of 7	3	<0.0001	5.77		<0.0001	<0.0001	0.00552		0.00352	5.77	0.00015	<0.001
PAH, Total Detected USEPA 16		-	mg/l	4 of 7	No GAC	<0.00008	0.0481		0.00237	<0.00008	0.0222		0.0481	-	0.00577	<0.00082
Acenaphthylene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1		0.00001	<0.00001	0.00001		0.00059	<0.1	0.00001	<0.00005
Anthracene	0.0001	EQS	mg/l	4 of 7	3	<0.00001	<0.1		0.00002	<0.00001	0.00027		0.0005	<0.1	0.0002	<0.00005
Benzo(a)anthracene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1		0.00011	<0.00001	0.00088		0.00034	<0.1	0.0003	<0.00005
Benzo(g,h,i) perylene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1		0.00018	<0.00001	0.00089		0.00017	<0.1	0.00034	<0.00005
Benzo(a)pyrene	1.7E-07	EQS	mg/l	5 of 7	5		<0.1		0.00018	<0.00000	0.00101		0.00038	<0.1	0.00033	0.00003
Benzo(b)fluoranthene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1		0.00037	<0.00001	0.00165		0.00061	<0.1	0.0005	<0.00005
Benzo(k)fluoranthene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1		0.0001	<0.00001	0.00063		0.00025	<0.1	0.00016	<0.00005
Chrysene		-	mg/l	4 of 7	No GAC	<0.00001	<0.1		0.00019	<0.00001	0.00116		0.00046	<0.1	0.00037	<0.00005
BTEX																
Benzene	0.01	EQS	mg/l	0 of 7	0	<0.001	<0.1		<0.001	<0.001	<0.001		<0.001	<0.1	<0.001	<0.001
Toluene	0.074	EQS	mg/l	3 of 7	1	<0.001	0.316		<0.001	<0.001	<0.001		0.00641	0.316	<0.001	0.0015
Ethylbenzene	0.02	EQS*	mg/l	2 of 7	1	<0.001	0.899		<0.001	<0.001	<0.001		0.00756	0.899	<0.001	<0.001
o-Xylene	0.03	EQS*	mg/l	3 of 7	2	<0.001	2.64		<0.001	<0.001	0.00167		0.0355	2.64	<0.001	<0.001
m,p xylenes	0.03	EQS*	mg/l	3 of 7	2	<0.001	4.83		<0.001	<0.001	0.00192		0.0448	4.83	<0.001	<0.001
Sum Xylene	0.03	EQS*	mg/l	3 of 7	2	<0.002	7.47		<0.002	<0.002	0.00359		0.0803	7.47	<0.002	<0.002
Total BTEX		-	mg/l	2 of 7	No GAC	<0.005	8.69		<0.005	<0.005	<0.005		0.0942	8.69	<0.005	<0.005

V1.0.0

Concentration exceeds GAC	100
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50
Concentration lower than Limit of Detection	< 0.1

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Hole Ref	Sample Ref	Easting	Northing	Sample Date	Investigation	ATTENUATION POND 1A	ATTENUATION POND 1AA	ATTENUATION POND 2A	DRAINAGE 1A 1A	DRAINAGE 1A 1AA	DRAINAGE 1A 2A	DRAINAGE 2A 1A	DRAINAGE 2A 2A
														03/03/2025	31/03/2025	02/04/2025	03/03/2025	01/04/2025	02/04/2025	03/03/2025	01/04/2025
														Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
VOC/SVOC																					
Methyl tertiary butyl ether (MTBE)		-	mg/l	0 of 7	No GAC	<0.001	<0.1							<0.001	<0.001	<0.001		<0.001	<0.1	<0.001	<0.001
Styrene	0.05	EQS*	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
cis-1,3-Dichloropropene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
trans-1,3-Dichloropropene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Propylbenzene		-	mg/l	1 of 1	No GAC	2.51	2.51												2.51		
n-Butylbenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
4-Chlorotoluene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,4-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
1,2-Dibromoethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,2-Dichloroethane	0.01	EQS	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
1,3,5-Trimethylbenzene		-	mg/l	1 of 1	No GAC	7.16	7.16												7.16		
Bromobenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Chlorobenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,2,4-Trichlorobenzene	0.0004	EQS	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
Dibromochloromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Tetrachloroethene	0.01	EQS	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
sec-Butylbenzene		-	mg/l	1 of 1	No GAC	2.02	2.02												2.02		
1,3-Dichloropropane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
cis-1,2-Dichloroethene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
trans-1,2-Dichloroethene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,3-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
Carbon tetrachloride	0.012	EQS	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
1,1-Dichloropropene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,1,1,2-Tetrachloroethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Chloroform	0.0025	EQS	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
1,1,1-Trichloroethane	0.1	EQS*	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
Bromomethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Chloromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Dibromomethane	0.02	EQS	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
Bromochloromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Chloroethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Vinyl chloride		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Bromoform		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Bromodichloromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,1-Dichloroethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,1-Dichloroethene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Trichlorofluoromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Dichlorodifluoromethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,2-Dichloropropane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,1,2-Trichloroethane	0.4	EQS*	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
Trichloroethene	0.01	EQS	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
1,2,3-Trichlorobenzene	0.0004	EQS	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
Hexachlorobutadiene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
2-Chlorotoluene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,2-Dichlorobenzene	0.02	EQS*	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
1,2,4-Trimethylbenzene		-	mg/l	1 of 1	No GAC	22.8	22.8												22.8		
1,2-Dibromo-3-chloropropane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,2,3-Trichloropropane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
tert-Butylbenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Isopropylbenzene		-	mg/l	1 of 1	No GAC	0.926	0.926												0.926		
4-iso-Propyltoluene		-	mg/l	1 of 1	No GAC	1.9	1.9												1.9		
1,3,5-Trichlorobenzene	0.0004	EQS	mg/l	0 of 1	0	<0.1	<0.1												<0.1		
2,2-Dichloropropane		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
Dichloromethane	0.02	EQS	mg/l	0 of 1	0	<0.3	<0.3												<0.3		
Carbon disulphide		-	mg/l	0 of 1	No GAC	<0.1	<0.1												<0.1		
1,1,2,2-Tetrachloroethane	0.14	EQS	mg/l	0 of 1	0	<0.1	<0.1												<0.1		

V1.0.0

Concentration exceeds GAC	100
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50
Concentration lower than Limit of Detection	< 0.1

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Hole Ref	ATTENUATION POND	ATTENUATION POND	ATTENUATION POND	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 2A	DRAINAGE 2A
								Sample Ref	1A	1AA	2A	1A	1AA	2A	1A	2A
								Easting								
								Northing								
								Sample Date	03/03/2025	31/03/2025	02/04/2025	03/03/2025	01/04/2025	02/04/2025	03/03/2025	01/04/2025
								Investigation	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
SVOC/SVOC																
4-Nitrophenol		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
4-Bromophenylphenylether		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
2,4-Dimethylphenol	0.1	EQS*	mg/l	0 of 1	0	<0.1	<0.1							<0.1		
4-Methylphenol	0.1	EQS*	mg/l	1 of 1	1	0.645	0.645							0.645		
bis(2-Chloroethyl)ether		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
bis(2-Chloroethoxy)methane		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
bis(2-Ethylhexyl) phthalate	0.0013	EQS	mg/l	1 of 1	1	1.17	1.17							1.17		
n-Dioctyl phthalate	0.02	EQS*	mg/l	0 of 1	0	<0.5	<0.5							<0.5		
Hexachlorobenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
2,4-Dichlorophenol	0.0042	EQS	mg/l	0 of 1	0	<0.1	<0.1							<0.1		
2,4-Dinitrotoluene		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
Dimethyl phthalate	0.8	EQS*	mg/l	0 of 1	0	<0.1	<0.1							<0.1		
Dibenzofuran		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
4-Chloro-3-methylphenol	0.04	EQS*	mg/l	0 of 1	0	<0.1	<0.1							<0.1		
2,6-Dinitrotoluene		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
n-Nitroso-n-dipropylamine		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
Hexachloroethane		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
Isophorone		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
Diethyl phthalate	0.2	EQS*	mg/l	0 of 1	0	<0.1	<0.1							<0.1		
n-Dibutyl phthalate	0.008	EQS*	mg/l	0 of 1	0	<0.1	<0.1							<0.1		
Butylbenzyl phthalate	0.0075	EQS	mg/l	0 of 1	0	<0.1	<0.1							<0.1		
Carbazole		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
2,4,6-Trichlorophenol		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
2-Nitrophenol		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
2-Methylnaphthalene		-	mg/l	1 of 1	No GAC	7.36	7.36							7.36		
2-Chloronaphthalene		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
2-Methylphenol	0.1	EQS*	mg/l	0 of 1	0	<0.1	<0.1							<0.1		
2-Chlorophenol	0.05	EQS*	mg/l	0 of 1	0	<0.1	<0.1							<0.1		
2,4,5-Trichlorophenol		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
Nitrobenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
Hexachlorocyclopentadiene		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
Pentachlorophenol	0.0004	EQS	mg/l	0 of 1	0	<0.1	<0.1							<0.1		
4-Nitroaniline		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
Azobenzene		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
4-Chloroaniline		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
4-Chlorophenylphenylether		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
2-Nitroaniline		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
3-Nitroaniline		-	mg/l	0 of 1	No GAC	<0.1	<0.1							<0.1		
Dibromofluoromethane		-	%	1 of 1	No GAC	107	107							107		
4-bromofluorobenzene		-	%	1 of 1	No GAC	81.2	81.2							81.2		

V1.0.0

Concentration exceeds GAC	100
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50
Concentration lower than Limit of Detection	< 0.1

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Hole Ref	ATTENUATION POND	ATTENUATION POND	ATTENUATION POND	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 1A	DRAINAGE 2A	DRAINAGE 2A
								Sample Ref	1A	1AA	2A	1A	1AA	2A	1A	2A
								Easting								
								Northing								
								Sample Date	03/03/2025	31/03/2025	02/04/2025	03/03/2025	01/04/2025	02/04/2025	03/03/2025	01/04/2025
								Investigation	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025	Concept 2025
PFAS																
Total PFAS DWI 47		-	mg/l	3 of 6	No GAC	<0.00009	0.000573		0.000497	0.000538	0.000573	<0.00045			<0.00009	<0.00045
PFOS Linear	0.00065	EQS	mg/l	4 of 6	0	0.000001	0.0000119		0.0000082	0.0000119	0.0000106	<0.00001			0.00000122	<0.00001
Branched PFOS	0.00065	EQS	mg/l	4 of 6	0	0.000001	0.0000201		0.0000118	0.0000201	0.0000193	<0.00001			0.00000102	<0.00001
Total PFOS	0.00065	EQS	mg/l	4 of 6	0	0.000002	0.000032		0.00002	0.000032	0.00003	<0.00001			0.00000224	<0.00001
PFOA	0.00065	EQS	mg/l	3 of 6	0	<0.00001	0.0000488		0.0000355	0.0000415	0.0000488	<0.00001			<0.00001	<0.00001
PFEESA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
HFPO-DA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
HFPO-TA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00003		<0.00001	<0.00003	<0.00003	<0.00003			<0.00001	<0.00003
PFecHS		-	mg/l	1 of 6	No GAC	0.000002	<0.00001		0.00000172	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
NFDHA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00002		<0.00002	<0.00002	<0.00002	<0.00002			<0.00001	<0.00002
PFODA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
EtFOSE		-	mg/l	0 of 6	No GAC	<0.00001	<0.00005		<0.00001	<0.00005	<0.00005	<0.00005			<0.00001	<0.00005
PFTrDS		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
Perfluoroundecanoic acid		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
MeFOSAA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
MeFOSE		-	mg/l	0 of 6	No GAC	<0.00001	<0.00005		<0.00001	<0.00005	<0.00005	<0.00005			<0.00001	<0.00005
PFPA Perfluoronpentanoic acid		-	mg/l	3 of 6	No GAC	<0.00001	0.000229		0.000203	0.000209	0.000229	<0.00001			<0.00001	<0.00001
PFPeS (Perfluoro-1-pentanesulfonate)		-	mg/l	1 of 6	No GAC	0.000001	<0.00001		0.00000129	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
1H 1H 2H 2H-Perfluorooctanesulfonic acid		-	mg/l	3 of 6	No GAC	0.000005	0.000157		0.0000236	<0.00001	<0.00001	0.000157			0.00000457	<0.00001
EtFOSAA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
FBSA		-	mg/l	1 of 6	No GAC	0.000001	<0.00001		0.00000119	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFHxA Perfluoronhexanoic acid		-	mg/l	4 of 6	No GAC	0.000001	0.000115		0.0000879	0.000112	0.000115	<0.00001			0.00000142	<0.00001
PFDoA Perfluorondodecanoic acid		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
N-MeFOSA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFDA Perfluorondecanoic acid		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFDS		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
6:2 FTAB		-	mg/l	4 of 6	No GAC	0.000011	0.000115		0.0000654	0.000115	0.000107	<0.00005			0.0000112	<0.00005
PFHxS Perfluoro-1-hexanesulfonate		-	mg/l	3 of 6	No GAC	0.000005	0.0000117		0.00000547	0.0000117	0.00000772	<0.00001			<0.00001	<0.00001
3:3 FTCA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFBA Perfluoronbutanoic acid		-	mg/l	3 of 6	No GAC	<0.00001	0.000039		0.000037	0.0000364	0.000039	<0.00001			<0.00001	<0.00001
PFBS Perfluoro-1-butanesulfonate		-	mg/l	3 of 6	No GAC	<0.00001	0.0000146		0.0000106	0.0000119	0.0000146	<0.00001			<0.00001	<0.00001
PFHpA Perfluoronheptanoic acid		-	mg/l	4 of 6	No GAC	0.000001	0.000082		0.0000633	0.0000732	0.000082	<0.00001			0.00000131	<0.00001
PFHpS Perfluoro-1-heptanesulfonate		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFNA Perfluoronnonanoic acid		-	mg/l	3 of 6	No GAC	0.000007	<0.00001		0.00000682	0.00000938	0.00000697	<0.00001			<0.00001	<0.00001
PFTeA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFMOPrA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
8:2 FTS		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
N-EtFOSA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
FHxSA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFHxDA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFNS		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFTrDA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00002		<0.00001	<0.00002	<0.00002	<0.00002			<0.00001	<0.00002
PFUnDS		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFOSA Perfluoro-octanesulfonamide		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
9Cl-PF3ONS		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
4:2 FTS		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
11Cl-PF3OUdS		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
PFDoS		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
7:3 FTCA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00003		<0.00001	<0.00003	<0.00003	<0.00003			<0.00001	<0.00003
PFMOBA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001
5:3 FTCA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00003		<0.00001	<0.00003	<0.00003	<0.00003			<0.00001	<0.00003
ADONA		-	mg/l	0 of 6	No GAC	<0.00001	<0.00001		<0.00001	<0.00001	<0.00001	<0.00001			<0.00001	<0.00001

Concentration exceeds GAC	100
Limit of Detection value exceeds GAC	<0.1
Concentration exceeds saturation value but not GAC	50
Concentration lower than Limit of Detection	< 0.1

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Min	Max	Hole Ref	BH24-04	BH24-04	BH24-05	BH24-06	BH24-07	BH24-09	BH24-10	BH25-03	BH25-05	DS24-01
								Sample Depth (mbgl)	0.75	1.1	1.2	2.5	2.2	0.25	0.3	3.7	0.3	0.9
								Sample Date	26/07/2024	26/07/2024	23/07/2024	25/07/2024	05/08/2024	22/07/2024	12/08/2024	20/02/2025	20/02/2025	30/07/2024
									MG S	MG S	MG C	RTD V	RTD V	MG V	MG C	WLC C	MGR S	MG C
Metal/Metalloid																		
Lead	0.0012	EQS	mg/l	14 of 28	11	<0.0005	0.025		<0.0005	<0.0005	<0.0005	<0.0005	0.0023	<0.0005	0.0026	<0.0005	0.0006	0.0044
Mercury		-	mg/l	1 of 28	No GAC	<0.00005	0.00013		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Nickel	0.004	EQS	mg/l	18 of 28	5	<0.0005	0.0048		<0.0005	0.0026	<0.0005	<0.0005	0.0019	<0.0005	0.0044	0.0019	0.0012	0.0029
Antimony		-	mg/l	20 of 28	No GAC	<0.0005	0.0064		0.0024	0.0024	0.0014	<0.0005	<0.0005	0.0012	0.0017	0.0011	0.0032	0.0023
Arsenic	0.05	EQS	mg/l	23 of 28	0	<0.0002	0.012		0.00082	0.0017	<0.0002	0.00097	0.0034	0.00045	0.0029	0.0007	0.0016	0.008
Barium		-	mg/l	24 of 28	No GAC	<0.005	0.04		<0.005	0.0086	0.0052	<0.005	0.019	<0.005	0.016	0.005	0.019	0.011
Cadmium	0.00008	EQS	mg/l	0 of 28	0	<0.00011	<0.00011		<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
Chromium	0.0047	EQS	mg/l	18 of 28	4	<0.0005	0.0064		<0.0005	0.0061	<0.0005	<0.0005	0.00097	<0.0005	<0.0005	0.001	0.0064	0.00057
Copper	0.001	EQS	mg/l	26 of 28	25	<0.0005	0.025		0.0028	0.0043	0.0019	<0.0005	0.0037	0.0052	0.0067	0.0005	0.0097	0.012
Zinc	0.0123	EQS	mg/l	21 of 28	6	<0.0025	0.019		<0.0025	<0.0025	<0.0025	<0.0025	0.0029	<0.0025	0.0033	0.011	0.004	0.0042
Selenium		-	mg/l	14 of 28	No GAC	<0.0005	0.012		<0.0005	0.0022	<0.0005	<0.0005	0.00055	<0.0005	<0.0005	0.0058	0.0006	0.0014
Molybdenum (Dissolved)			mg/l	27 of 28	No GAC	<0.0002	0.016		0.0011	0.0018	0.002	<0.0002	0.0027	0.00064	0.0035	0.0021	0.0018	0.013
Inorganic																		
Chloride	250	EQS	mg/l	15 of 28	0	<1	6.6		<1	<1	<1	<1	1.1	<1	2.2	1.7	2.8	1.4
Dissolved organic carbon (DOC)		-	mg/l	23 of 28	No GAC	<2	9.2		2.8	2.6	3.6	3.4	6.5	3.3	5.7	2.9	3.9	8.1
Sulphate as SO4	400	EQS*	mg/l	26 of 28	0	<1	100		26	13	44	1.2	18	21	11	16	48	9.9
Total Dissolved Solids			mg/l	28 of 28	No GAC	21	310		150	190	230	21	61	75	73	47	230	52
Fluoride	1	EQS*	mg/l	28 of 28	1	0.1	1.4		0.18	0.18	0.24	0.1	0.38	0.18	0.37	0.29	0.21	0.38
Phenol and mineral oils																		
Phenol Index	0.0077	EQS	mg/l	0 of 28	0	<0.03	<0.03		-	-	-	-	-	-	-	<0.03	<0.03	-
Phenols - total	0.0077	EQS	mg/l	0 of 28	0	<0.03	<0.03		<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-	-	<0.03

DS24-01	DS24-06	DS24-07	DS24-07	DS24-08	DS25-01	DS25-02	DS25-04	DS25-05	DS25-06	DS25-07	DS25-10	DS25-11	DS25-12	DS25-14	DS25-15A	DS25-16	DS25-18
1.6	1	0.3	1.1	1.1	0.8	1	0.3	0.3	0.3	1.3	0.3	1	0.4	0.3	0.3	0.8	0.9
31/07/2024	23/07/2024	01/08/2024	01/08/2024	01/08/2024	26/02/2025	24/02/2025	21/02/2025	24/02/2025	21/02/2025	26/02/2025	26/02/2025	20/02/2025	21/02/2025	20/02/2025	27/02/2025	20/02/2025	21/02/2025
LC	MG	MG	LC	MG	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	MGR	LHGR	MGR
C	V	C	C	S	C	V	V	V	S	C	C	V	V	S	C	S	V
<0.0005	<0.0005	0.00097	0.0098	<0.0005	0.025	<0.0005	0.0013	<0.0005	0.001	0.0079	0.0028	<0.0005	0.0014	<0.0005	0.003	0.0032	<0.0005
<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00013	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
<0.0005	<0.0005	0.0045	0.0044	<0.0005	0.003	0.0009	0.001	<0.0005	0.0012	0.0041	<0.0005	0.0007	<0.0005	0.0009	0.0048	0.0026	0.0005
<0.0005	<0.0005	<0.0005	0.0062	0.0007	0.0048	0.0016	0.0023	<0.0005	0.002	0.0009	0.0064	0.0022	0.0009	<0.0005	0.001	<0.0005	0.0019
0.00079	<0.0002	<0.0002	<0.0002	<0.0002	0.012	0.0013	0.0023	0.0012	0.0021	0.0093	0.0077	0.0013	0.0019	0.0021	0.0072	0.0036	0.0011
0.0052	<0.005	0.0058	0.024	0.0062	0.009	0.016	0.01	0.011	0.011	0.021	0.02	0.015	0.009	0.015	0.04	0.006	0.011
<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
<0.0005	0.0014	<0.0005	<0.0005	<0.0005	0.0017	0.0026	0.0025	0.0063	0.0056	0.0042	<0.0005	0.0026	0.0021	0.0019	0.0015	0.0028	0.0016
<0.0005	0.0039	0.0022	0.0099	0.0016	0.025	0.005	0.0061	0.012	0.0098	0.0095	0.0037	0.0036	0.0036	0.0063	0.0094	0.0036	0.0041
0.0072	<0.0025	0.017	0.013	0.0038	0.014	0.006	0.008	<0.003	0.005	0.019	0.009	0.004	0.01	0.006	0.018	0.014	0.003
0.012	0.0013	<0.0005	<0.0005	<0.0005	0.0013	0.0006	0.0008	<0.0005	0.001	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	0.0006
0.0017	0.0028	0.002	0.014	0.0036	0.0067	0.0007	0.0019	0.0005	0.0018	0.0053	0.0082	0.0006	0.0005	0.0026	0.016	0.0017	0.0006
2.6	2.4	3.7	1.2	1.1	<1	1.5	<1	1.2	2.1	<1	<1	<1	<1	6.4	6.6	<1	<1
2.1	3.4	8.6	3.7	<2	8	2.9	3.8	<2.5	4.5	7.7	3.2	3	<2.5	8.9	9.2	<2.5	<2.5
42	13	<1	2.9	17	10	38	24	11	32	1.8	23	45	20	100	27	<1	27
83	220	64	33	56	48	220	120	210	190	28	69	150	110	310	140	26	120
0.34	0.18	1.4	0.68	0.4	0.24	0.22	0.21	0.21	0.19	0.32	0.48	0.21	0.18	0.22	0.34	0.14	0.2
-	-	-	-	-	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
<0.03	<0.03	<0.03	<0.03	<0.03	-	-	-	-	-	-	-	-	-	-	-	-	-

V1.0.0

Contaminant Name	GAC	GAC Source	Units	Total > LOD	Total > GAC	Hole Ref	BH24-02	BH24-04A	BH24-05	BH24-06	BH24-07	BH24-07	BH24-07	BH24-09	BH24-09	BH24-09
						Sample Date	10/09/2024	09/09/2024	27/08/2024	27/08/2024	09/09/2024	30/10/2024	11/11/2024	09/09/2024	31/10/2024	11/11/2024
Total petroleum hydrocarbons																
Aliphatics >C5-6	190	SoBRA	mg/l	0 of 99	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	<0.0001	-	-
Aliphatics >C6-8	150	SoBRA	mg/l	0 of 99	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	<0.0001	-	-
Aliphatics >C8-10	5.7	SoBRA	mg/l	2 of 99	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	<0.0001	-	-
Aliphatics >C10-12	3.6	SoBRA	mg/l	5 of 99	0		<0.0001	<0.0001	0.06000	<0.0001	<0.0001	-	-	<0.0001	-	-
Aliphatics >C12-16			mg/l	3 of 99	No GAC		<0.0001	<0.0001	0.02300	<0.0001	<0.0001	-	-	<0.0001	-	-
Aliphatics >C16-21			mg/l	3 of 99	No GAC		<0.0001	<0.0001	0.12000	<0.0001	<0.0001	-	-	<0.0001	-	-
Aliphatics >C21-35			mg/l	3 of 99	No GAC		<0.0001	<0.0001	0.13000	<0.0001	<0.0001	-	-	<0.0001	-	-
Aliphatics >C12-35			mg/l	1 of 99	No GAC		-	-	-	-	-	-	-	-	-	-
Aliphatics >C35-44			mg/l	0 of 89	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	<0.0001	-	-
Aliphatics >C5-C44			mg/l	2 of 89	No GAC		<0.005	<0.005	0.33000	<0.005	<0.005	-	-	<0.005	-	-
Aromatics >C7-8	21000	SoBRA	mg/l	0 of 99	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	<0.0001	-	-
Aromatics >C8-10	190	SoBRA	mg/l	1 of 99	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	<0.0001	-	-
Aromatics >C10-12	660	SoBRA	mg/l	8 of 98	0		<0.0001	<0.0001	0.01400	<0.0001	<0.0001	-	-	<0.0001	-	-
Aromatics >C12-16	3700	SoBRA	mg/l	11 of 99	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	<0.0001	-	-
Aromatics >C16-21			mg/l	14 of 99	No GAC		<0.0001	<0.0001	0.02800	<0.0001	<0.0001	-	-	<0.0001	-	-
Aromatics >C21-35			mg/l	8 of 99	No GAC		<0.0001	<0.0001	0.01600	<0.0001	<0.0001	-	-	<0.0001	-	-
Aromatics >C12-35			mg/l	8 of 99	No GAC		-	-	-	-	-	-	-	-	-	-
Aromatics >C5-C7	20000	SoBRA	mg/l	0 of 99	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	<0.0001	-	-
Aromatics >C35-44			mg/l	0 of 89	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-	-	<0.0001	-	-
Aliphatics & Aromatics >C5-35			mg/l	10 of 89	No GAC		-	-	-	-	-	-	-	-	-	-
Aliphatics & Aromatics >C5-44			mg/l	2 of 89	No GAC		<0.005	<0.005	0.05800	<0.005	<0.005	-	-	<0.005	-	-
Polycyclic aromatic hydrocarbons																
Acenaphthene	15000	SoBRA	mg/l	34 of 117	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Dibenz(ah)anthracene			mg/l	2 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Fluoranthene	18000	SoBRA	mg/l	44 of 117	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Fluorene			mg/l	33 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Indeno(1,2,3-cd)pyrene			mg/l	12 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Phenanthrene			mg/l	39 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Pyrene			mg/l	50 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Naphthalene	190	SoBRA	mg/l	13 of 116	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
PAH, Total Detected USEPA 16			mg/l	44 of 117	No GAC		<0.002	<0.002	<0.002	<0.002	<0.002	-	-	<0.002	-	-
Acenaphthylene	20000	SoBRA	mg/l	11 of 117	0		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Anthracene			mg/l	21 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Benzo(a)anthracene			mg/l	12 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Benzo(g,h,i) perylene			mg/l	8 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Benzo(a)pyrene			mg/l	18 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Benzo(b)fluoranthene			mg/l	17 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Benzo(k)fluoranthene			mg/l	12 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Chrysene			mg/l	17 of 117	No GAC		<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	-	-	<0.0001	-	-
Benzene Toluene Ethylene benzene Xylene																
Benzene	20	SoBRA	mg/l	3 of 117	0		<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.001	-	-
Toluene	21000	SoBRA	mg/l	4 of 117	0		<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.001	-	-
Ethylbenzene			mg/l	0 of 117	No GAC		<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.001	-	-
Xylene			mg/l	2 of 117	No GAC		-	-	-	-	-	-	-	-	-	-
o-Xylene	1100	SoBRA	mg/l	2 of 117	0		<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.001	-	-
m,p xylenes	940	SoBRA	mg/l	3 of 117	0		<0.001	<0.001	<0.001	<0.001	<0.001	-	-	<0.001	-	-
Total BTEX			mg/l	3 of 117	No GAC		-	-	-	-	-	-	-	-	-	-

BH24-10 27/08/2024	BH24-10 29/10/2024	BH24-10 12/11/2024	BH25-02 25/03/2025	BH25-02 25/03/2025	BH25-03 24/03/2025	BH25-03 07/04/2025	BH25-04 25/03/2025	BH25-04 08/04/2025	BH25-05 24/03/2025	BH25-05 07/04/2025	CP105 10/09/2024	DS105 04/09/2024	DS107(3) 27/08/2024	DS112 10/09/2024	DS122 04/09/2024	DS24-01 27/08/2024	DS24-01 30/10/2024
<0.0001	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01400	<0.01	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
0.10000	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01700	<0.01	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
0.55000	-	-	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.05	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
0.54000	-	-	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.05	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
0.09700	-	-	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.05	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
-	-	-	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.05	-	-	-	-	-	-	-
<0.0001	-	-	-	-	-	-	-	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
1.30000	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
<0.0001	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01200	<0.01	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
0.04300	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01100	<0.01	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
0.26000	-	-	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	0.01310	<0.05	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
0.30000	-	-	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	0.08230	<0.05	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
0.01800	-	-	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.05	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
-	-	-	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	0.09540	<0.05	-	-	-	-	-	-	-
<0.0001	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	-	-	-	-	-	-	-	-	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	-
-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.16000	0.01500	-	-	-	-	-	-	-
0.62000	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-
<0.0001	-	-	<0.01	0.00005	0.00002	0.00001	<0.00001	<0.00001	<0.01	0.00051	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00009	0.00015	0.00006	0.00001	0.00001	<0.01	0.00016	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00005	0.00003	0.00001	<0.00001	<0.00001	<0.01	0.00041	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00001	0.00021	0.00001	0.00002	<0.00001	<0.01	0.00090	<0.0001	0.00110	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00011	0.00013	0.00008	0.00002	0.00002	<0.01	0.00013	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.01	0.00154	<0.0001	0.00380	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.002	-	-	0.00270	0.00040	0.00061	0.00018	<0.00008	<0.00008	0.00459	0.00371	<0.002	0.00490	<0.002	<0.002	<0.002	<0.002	-
<0.0001	-	-	<0.01	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.01	<0.00005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00003	0.00005	0.00001	<0.00001	<0.00001	<0.01	0.00006	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00002	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.0001	-	-	<0.01	0.00002	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00005	<0.0001	<0.0001	<0.0005	<0.0001	<0.0001	<0.0001	-
<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00155	0.00146	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00285	0.00291	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
-	-	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00231	-	-	-	-	-	-	-
<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00112	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00101	0.00119	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
-	-	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00541	0.00668	-	-	-	-	-	-	-

DS24-01 11/11/2024	DS24-03 27/08/2024	DS24-03 04/09/2024	DS24-03 31/10/2024	DS24-03 13/11/2024	DS24-04 09/09/2024	DS24-04 30/10/2024	DS24-04 11/11/2024	DS24-05 04/09/2024	DS24-05 31/10/2024	DS24-05 12/11/2024	DS24-07 29/10/2024	DS24-07 29/10/2024	DS24-07 12/11/2024	DS24-07 12/11/2024	DS24-08 29/10/2024	DS24-08 12/11/2024	DS25-02 25/03/2025
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	-
-	<0.005	<0.005	-	-	<0.005	-	-	<0.005	-	-	-	-	-	-	-	-	-
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.01
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01
-	<0.005	<0.005	-	-	<0.005	-	-	<0.005	-	-	-	-	-	-	-	-	-
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	0.00006
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.00001
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	0.00005
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	0.00003
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.00001
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	0.00001
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	0.00005
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.0001
-	<0.002	<0.002	-	-	<0.002	-	-	<0.002	-	-	-	-	-	-	-	-	0.00020
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.00001
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.00001
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.00001
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.00001
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.0001
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.00001
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.00001
-	<0.0001	<0.0001	-	-	<0.0001	-	-	<0.0001	-	-	-	-	-	-	-	-	<0.00001
-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	-	-	-	-	-	-	-	-	<0.001
-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	-	-	-	-	-	-	-	-	<0.001
-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	-	-	-	-	-	-	-	-	<0.001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.002
-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	-	-	-	-	-	-	-	-	<0.001
-	<0.001	<0.001	-	-	<0.001	-	-	<0.001	-	-	-	-	-	-	-	-	<0.001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005

DS25-02 08/04/2025	DS25-03 26/03/2025	DS25-03 26/03/2025	DS25-03 08/04/2025	DS25-04 24/03/2025	DS25-04 08/04/2025	DS25-05 25/03/2025	DS25-05 08/04/2025	DS25-06 25/03/2025	DS25-06 08/04/2025	DS25-07 24/03/2025	DS25-07 07/04/2025	DS25-08 24/03/2025	DS25-08 07/04/2025	DS25-09 24/03/2025	DS25-09 07/04/2025	DS25-09 07/04/2025	DS25-10 24/03/2025
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01100	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03800	0.01500	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	0.27600	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	0.29500	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	0.56700	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	1.14000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02500		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.1	0.02160	<0.01	<0.01	<0.01	<0.01	0.12200	0.03970	<0.01	<0.02	<0.01	<0.01	<0.01	0.01790
<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	0.01170	0.01410	<0.01	<0.02	<0.01	<0.01	<0.01	0.22000
<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	0.04660
<0.01	<0.01	<0.01	<0.01	<0.1	0.02160	<0.01	<0.01	<0.01	<0.01	0.13400	0.05380	<0.01	<0.02	<0.01	<0.01	<0.01	0.28500
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<0.01	<0.01	<0.01	<0.01	1.14000	0.02160	<0.01	<0.01	<0.01	<0.01	0.22700	0.08980	<0.01	<0.01	<0.01	<0.01	<0.01	0.30000
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.00004	0.00001	0.00001	<0.00001	0.00060	0.00055	<0.00001	0.00001	0.00001	0.00011	0.00114	0.00040	0.00011	<0.00001	<0.00001	0.00001	<0.00001	0.00024
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00005	0.00001	0.00001	0.00008	0.00035	0.00034	0.00010	0.00001	0.00004	0.00006	0.00023	0.00021	0.00002	0.00001	0.00001	0.00001	<0.00001	0.00010
0.00004	0.00001	0.00001	<0.00001	0.00023	0.00015	<0.00001	0.00001	<0.00001	0.00006	0.00138	0.00001	0.00007	<0.00001	0.00002	0.00002	<0.00001	0.00062
<0.00001	<0.00001	<0.00001	0.00004	0.00004	0.00003	0.00004	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00004	0.00002	0.00002	0.00002	0.00008	0.00002	0.00006	0.00002	<0.00001	0.00006	0.00028	<0.00001	0.00006	<0.00001	0.00002	0.00002	<0.00001	0.00090
0.00005	0.00002	0.00002	0.00011	0.00028	0.00027	0.00010	0.00002	0.00005	0.00005	0.00026	0.00021	0.00009	0.00004	0.00006	0.00008	<0.00001	0.00011
<0.0001	<0.0001	<0.0001	<0.0002	0.00010	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00029	<0.0001	0.00012	<0.0001	<0.0001	<0.0001	<0.0001	0.00210
0.00023	0.00008	0.00008	0.00047	0.00200	0.00153	0.00058	<0.00008	0.00012	0.00035	0.00374	0.00085	0.00049	<0.00008	0.00011	0.00013	<0.00008	0.00412
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00011	0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00002
<0.00001	<0.00001	<0.00001	<0.00001	0.00004	0.00002	0.00001	<0.00001	<0.00001	0.00001	0.00002	<0.00001	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	0.00003
<0.00001	<0.00001	<0.00001	0.00001	0.00005	0.00002	0.00003	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.00001	<0.00001	<0.00001	0.00001	0.00007	0.00002	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.0001	<0.0001	<0.0001	0.00005	0.00004	0.00003	0.00005	<0.0001	0.00001	<0.0001	0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
<0.00001	<0.00001	<0.00001	0.00006	0.00005	0.00003	0.00007	<0.00001	0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.00001	<0.00001	<0.00001	0.00003	0.00002	0.00001	0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.00001	<0.00001	<0.00001	0.00005	0.00005	0.00004	0.00005	<0.00001	<0.00001	<0.00001	0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00223	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

DS25-10 07/04/2025	DS25-12 01/04/2025	Field Blank 25/03/2025	Field Blank 07/04/2025	BH24-05 26/03/2025	BH24-06 26/03/2025	BH24-07 26/03/2025	BH24-10 26/03/2025	DS24-04 26/03/2025	DS24-08 26/03/2025	BH25-10 25/03/2025	CP105 25/03/2025	BH25-03 01/04/2025	BH25-04 01/04/2025	D525-02 01/04/2025	D525-03 01/04/2025	D525-04 01/04/2025	D525-05 01/04/2025
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
0.09160	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
0.09160	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.09260	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<0.002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00005	0.00002	0.00001	<0.00001	0.00004	<0.00001	0.00060	<0.00001
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00009	0.00001	0.00012	0.00001	0.00009	0.00002	0.00034	0.00003
<0.002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00013	<0.00001	0.00005	0.00001	0.00001	<0.00001	0.00004	<0.00001	0.00012	<0.00001
<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	0.00002	<0.00001	0.00001	0.00001	0.00003	<0.00001
<0.002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00010	<0.00001	0.00001	0.00001	0.00003	0.00001	0.00006	0.00001	<0.00001	0.00001
<0.002	<0.00001	<0.00001	0.00003	0.00015	0.00001	0.00002	0.00010	0.00015	<0.00001	0.00011	0.00001	0.00012	0.00002	0.00009	0.00004	0.00030	0.00004
<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
0.00079	<0.00008	<0.00008	<0.00008	0.00020	<0.00008	<0.00008	0.00010	0.00093	<0.00008	0.00040	<0.00008	0.00046	<0.00008	0.00044	0.00011	0.00157	0.00009
<0.002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00003	<0.00001	0.00001	<0.00001	0.00002	<0.00001	<0.00001	<0.00001
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	0.00003	<0.00001	0.00001	<0.00001	0.00002	<0.00001
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	0.00001	<0.00001	0.00003	<0.00001
<0.0001	<0.0001	<0.0001	<0.0001	0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00001	<0.0001	0.00003	<0.0001	0.00002	0.00001	0.00003	0.00000
<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00002	<0.00001	0.00003	<0.00001	0.00002	0.00001	0.00004	0.00001
<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00001	<0.00001	0.00002	<0.00001	0.00001	0.00001	0.00002	<0.00001
<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	0.00002	<0.00001	0.00003	<0.00001	0.00002	0.00001	0.00004	0.00001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

D525-07 01/04/2025	D525-10 01/04/2025	D525-11 01/04/2025	BH25-05 31/03/2025	DS25-06 31/03/2025	DS25-08 31/03/2025	DS25-09 31/03/2025	DS105 11/05/2023	DS117 11/05/2023	DS120 11/05/2023	DS201 11/05/2023	DS202 11/05/2023	CP202 11/05/2023	CP301 23/11/2023	DS303 23/11/2023	DS304 23/11/2023	DS305 23/11/2023
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
-	-	-	-	-	-	-										
-	-	-	-	-	-	-										
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07200	<0.01	0.06600	0.20000	0.12000	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.16000	<0.01	0.12000	0.24000	0.12000	<0.01	<0.01	<0.01	0.08600	<0.01
<0.01	0.08050	<0.01	0.05810	<0.01	<0.01	<0.01	0.22000	<0.01	0.18000	0.33000	0.16000	<0.01	<0.01	<0.01	0.16000	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.21000	<0.01	0.21000	0.34000	0.17000	<0.01	<0.01	<0.01	0.32000	<0.01
<0.01	0.08050	<0.01	0.07910	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
-	-	-	-	-	-	-										
<0.01	0.08050	<0.01	0.07910	<0.01	<0.01	<0.01										
-	-	-	-	-	-	-										
0.00100	0.00021	0.00024	0.00062	0.00016	0.00007	<0.00001	0.00215	<0.00001	0.00120	0.00213	0.00274	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00097	0.00011	0.00012	0.00018	0.00007	0.00002	0.00001	0.00036	<0.00001	0.00024	0.00063	0.00064	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.00001	0.00037	0.00063	0.00049	0.00010	0.00002	<0.00001	0.00128	<0.00001	0.00050	0.00150	0.00154	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.00001	0.00013	0.00071	0.00091	0.00017	0.00001	<0.00001	0.00134	<0.00001	0.00076	0.00228	0.00235	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00103	0.00012	0.00014	0.00013	0.00006	0.00008	0.00006	0.00027	<0.00001	0.00019	0.00046	0.00047	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.0001	<0.0001	0.00147	0.00146	0.00013	<0.0001	<0.0001	0.00626	<0.00001	0.00163	0.00597	0.00863	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00351	0.00096	0.00338	0.00389	0.00071	0.00021	<0.00008	0.01230	<0.00001	0.00452	0.01340	0.01710	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00003	0.00001	0.00002	0.00002	<0.00001	<0.00001	<0.00001	0.00011	<0.00001	<0.00001	<0.00001	0.00014	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.00001	<0.00001	0.00002	0.00009	0.00004	0.00001	<0.00001	0.00049	<0.00001	<0.00001	0.00046	0.00060	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00010	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00006	0.00001	0.00001	<0.00001	<0.00001	0.00000	<0.0001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00006	0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00003	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
0.00016	0.00001	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
<0.001	<0.001	<0.001	0.00137	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	0.00264	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.002	<0.002	<0.002	0.00247	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
<0.001	<0.001	<0.001	0.00108	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.001	<0.001	<0.001	0.00139	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
<0.005	<0.005	<0.005	0.00648	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

LHR042 Thorney Lane
Gas monitoring spreadsheet

Round	BH	Zone	RZ Strata	Comments	Date	Atm pressure	Pressure	Top of RZ (mbgl)	Base of RZ (MBGL)	Depth to GW (mbgl)	Flooded?	PID (ppm)	Flow rate l/hr (max.)	Methane %v/v (max.)	Carbon Dioxide %v/v (max.)	Hydrogen Sulfide ppm	Carbon Monoxide ppm (max.)	Oxygen %v/v (min.)	GSV Methane	GSV Carbon dioxide	CS	Consider increase CH4	Consider increase CO2
R1	BH24-03		MG		26/03/2025	1021		0.6	1.5	Dry	No	0.1	<0.1	<0.1	6.2	<1	<1	0.1	0.0001	0.0062	CS1		CS2
R1	DS24-02		MG		26/03/2025	1023		0.5	1.25	Dry	No	0.4	<0.1	<0.1	3.8	<1	<1	11.1	0.0001	0.0038	CS1		
R1	BH25-01		MG		24/03/2025	1014		0.7	1	Dry	No	0.6	<0.1	<0.1	0.1	<1	<1	20.3	0.0001	0.0001	CS1		
R1	BH25-02		MG		25/03/2025	1018		0.6	1.1	Dry	No	0.9	<0.1	<0.1	0	<1	<1	19.8	0.0001	0	CS1		
R1	BH25-03		MG		24/03/2025	1014		0.7	1.9	1.75	Partially flooded RZ	0.5	<0.1	<0.1	0.3	<1	<1	19.9	0.0001	0.0003	CS1		
R1	BH25-04		MG		25/04/2025	1018		0.6	1.5	0.72	Mostly flooded RZ	0.3	<0.1	<0.1	<0.1	<1	<1	18.3	0.0001	0.0001	CS1		
R1	BH25-05		MG		24/03/2025	1015		0.6	1.5	0.91	Mostly flooded RZ	1.7	<0.1	<0.1	8	<1	<1	5.3	0.0001	0.008	CS1		CS2
R1	DS25-01		MG		25/03/2025	1018		0.5	1.5	1.07	Partially flooded RZ	0.4	<0.1	<0.1	<0.1	<1	<1	18	0.0001	0.0001	CS1		
R1	DS25-06		MG		25/03/2025	1018		0.5	2.8	1.34	Partially flooded RZ	0.3	<0.1	<0.1	<0.1	<1	<1	17.8	0.0001	0.0001	CS1		
R2	BH24-03		MG		31/03/2025	1024		0.6	1.35	Dry	No	0.6	<0.1	1.4	6.7	<1	<1	0.2	0.0014	0.0067	CS1	CS2	CS2
R2	DS24-02		MG		31/03/2025	1022		0.5	1.25	Dry	No	0.2	<0.1	<0.1	4	<1	<1	14.1	0.0001	0.004	CS1		
R2	BH25-01		MG		01/04/2025	1022		0.7	1	Dry	No	0.4	<0.1	<0.1	0.3	<1	<1	20	0.0001	0.0003	CS1		
R2	BH25-02		MG		31/03/2025	1024		0.6	1.1	Dry	No	0.7	<0.1	<0.1	<0.1	<1	<1	14.3	0.0001	0.0001	CS1		
R2	BH25-03		MG		31/03/2025	1026		0.7	1.9	1.77	Partially flooded RZ	0.5	<0.1	<0.1	0.5	<1	<1	19.2	0.0001	0.0005	CS1		
R2	BH25-04		MG		31/03/2025	1025		0.6	1.5	0.8	Mostly flooded RZ	0.3	<0.1	<0.1	0.4	<1	<1	12.2	0.0001	0.0004	CS1		
R2	BH25-05		MG		31/03/2025	1025		0.6	1.5	0.91	Mostly flooded RZ	1.3	<0.1	<0.1	<0.1	<1	<1	2.1	0.0001	0.0001	CS1		
R2	DS25-01		MG		31/03/2025	1025		0.5	1.5	1.48	Partially flooded RZ	0	<0.1	5	<0.1	<1	<1	13.5	0.005	0.0001	CS1	CS2	
R2	DS25-06		MG		31/03/2025	1025		0.5	2.8	1.38	Partially flooded RZ	0.4	<0.1	<0.1	<0.1	<1	<1	15.2	0.0001	0.0001	CS1		
R3	BH24-03		MG		07/03/2025	1023		0.6	1.35	Dry	No	0.2	<0.1	1.4	3	<1	<1	6.6	0.0014	0.003	CS1	CS2	
R3	DS24-02		MG		07/04/2025	1022		0.5	1.25	Dry	No	0.2	<0.1	<0.1	4.1	<1	<1	14.2	0.0001	0.0041	CS1		
R3	BH25-01		MG		07/04/2025	1024		0.7	1	Dry	No	0.1	<0.1	<0.1	0.4	<1	<1	19.6	0.0001	0.0004	CS1		
R3	BH25-02		MG		07/04/2025	1021		0.6	1.1	Dry	No	0.2	<0.1	<0.1	0.1	<1	<1	18.2	0.0001	0.0001	CS1		
R3	BH25-03		MG		07/04/2025	1022		0.7	1.9	1.75	Partially flooded RZ	0.2	<0.1	<0.1	<0.1	<1	<1	15.1	0.0001	0.0001	CS1		
R3	BH25-04		MG		07/04/2025	1020		0.6	1.5	0.85	Mostly flooded RZ	0.2	<0.1	<0.1	1.1	<1	<1	21.2	0.0001	0.0011	CS1		
R3	BH25-05		MG		07/04/2025	1022		0.6	1.5	1.13	Partially flooded RZ	0.2	<0.1	<0.1	0.2	<1	<1	20	0.0001	0.0002	CS1		
R3	DS25-01		MG		07/04/2025	1020		0.5	1.5	Dry	No	0.1	<0.1	<0.1	0.2	<1	<1	10.6	0.0001	0.0002	CS1		
R3	DS25-06		MG		07/04/2025	1021		0.5	2.8	1.4	Partially flooded RZ	0.1	<0.1	<0.1	<0.1	<1	<1	16.1	0.0001	0.0001	CS1		
R1	BH24-05		MG		19/08/2024	1013		1	3	1.57	Partially flooded RZ	1.6	<0.1	<0.1	0.7	<1	<1	15	0.0001	0.0007	CS1		
R1	BH24-10		MG		19/08/2024	1013		1	4	1.27	Mostly flooded RZ	9.3	<0.1	1.6	0.7	<1	<1	1.9	0.0016	0.0007	CS1	CS2	
R1	BH24-06		MG		19/08/2024	1013		1	3	1.35	Mostly flooded RZ	2.6	<0.1	<0.1	0.8	<1	<1	14.7	0.0001	0.0008	CS1		
R1	DS24-01		MG		19/08/2024	1011		1	3	2.3	Partially flooded RZ	1	<0.1	<0.1	1.7	<1	<1	11	0.0001	0.0017	CS1		
R1	BH24-04A		MG		19/08/2024	1013		1	3	2.14	Partially flooded RZ	1.2	<0.1	<0.1	2.2	<1	<1	13.5	0.0001	0.0022	CS1		
R1	DS24-05		MG		19/08/2024	1013		0.7	3	1.3	Partially flooded RZ	0.3	<0.1	<0.1	3.6	<1	<1	12.9	0.0001	0.0036	CS1		
R1	DS24-03		MG		19/08/2024	1013		1	3	1.16	Mostly flooded RZ	4.2	<0.1	1.2	4.1	<1	<1	9	0.0012	0.0041	CS1	CS2	
R1	DS24-02		MG		19/08/2024	1012		0.5	1.25	Dry	No	0.2	<0.1	<0.1	6.2	<1	<1	13.3	0.0001	0.0062	CS1		CS2
R1	BH24-03		MG		19/08/2024	1012		0.6	1.5	Dry	No	0.9	<0.1	<0.1	7	<1	<1	1.3	0.0001	0.007	CS1		CS2
R1	BH24-01		MG	Fully flooded response zone (RZ)	15/08/2024	1011					Mostly flooded RZ								#VALUE!	#VALUE!			
R2	DS24-05		MG		30/08/2024	1020		0.7	3	1.26	Partially flooded RZ	1.8	<0.1	<0.1	3	<1	<1	12.8	0.0001	0.003	CS1		
R2	BH24-04A		MG		30/08/2024	1020		1	3	2.09	Partially flooded RZ	2.4	<0.1	<0.1	5.2	<1	<1	2.1	0.0001	0.0052	CS1		CS2
R2	BH24-03		MG		30/08/2024	1016		0.6	1.5	1.41	Partially flooded RZ	0.9	<0.1	<0.1	13.7	<1	<1	3.2	0.0001	0.0137	CS1		CS2
R2	BH24-01		MG		30/08/2024	1020		0.5	1	0.46	Flooded RZ	2.1	<0.1	<0.1	<0.1	<1	<1	8.7	0.0001	0.0001	CS1		
R3	BH24-05		MG	Short tube blocked so unable to obtain readings	04/09/2024	1013		1	3	1.57	Partially flooded RZ	0.5	<0.1	<0.1	0.7	<1	<1	3.2	0.0001	0.0007	CS1		
R3	DS24-03		MG		04/09/2024	1012		1	3	1.2	Mostly flooded RZ	2.6	<0.1	<0.1	2.1	<1	<1	7.8	0.0001	0.0021	CS1		

LHR042 Thorney Lane
Gas monitoring spreadsheet

Round	BH	Zone	RZ Strata	Comments	Date	Atm pressure	Pressure	Top of RZ (mbgl)	Base of RZ (MBGL)	Depth to GW (mbgl)	Flooded?	PID (ppm)	Flow rate l/hr (max.)	Methane %v/v (max.)	Carbon Dioxide %v/v (max.)	Hydrogen Sulfide ppm	Carbon Monoxide ppm (max.)	Oxygen %v/v (min.)	GSV Methane	GSV Carbon dioxide	CS	Consider increase	
																						CH4	CO2
R3	DS24-05		MG		04/09/2024	1013		0.7	3	1.29	Partially flooded RZ	0.7	<0.1	<0.1	2.7	<1	<1	15.1	0.0001	0.0027	CS1		
R3	BH24-03		MG		04/09/2024	1013		0.6	1.5	1.4	Partially flooded RZ	0.6	<0.1	<0.1	3.7	<1	<1	14	0.0001	0.0037	CS1		
R4	BH24-04A		MG		09/09/2024	1006		1	3	2.03	Partially flooded RZ	0.9	<0.1	<0.1	0.6	<1	<1	16.9	0.0001	0.0006	CS1		
R4	DS107		MG		09/09/2024	1005		1	3	1.12	Mostly flooded RZ	0.2	<0.1	<0.1	0.7	<1	<1	15.2	0.0001	0.0007	CS1		
R4	BH24-05		MG		10/09/2024	1002		1	3	1.42	Mostly flooded RZ	1.7	<0.1	0.9	1.5	<1	<1	<0.1	0.0009	0.0015	CS1		
R4	BH24-10		MG		09/09/2024	1008		1	4	1.25	Mostly flooded RZ	1.7	<0.1	8.9	1.7	<1	<1	0.1	0.0089	0.0017	CS1	CS2	
R4	DS24-01		MG		09/09/2024	1004		0.5	1	0.96	Mostly flooded RZ	0.1	<0.1	<0.1	1.8	<1	<1	8.9	0.0001	0.0018	CS1		
R4	DS24-02		MG		10/09/2024	1004		0.5	1.25	Dry	No	0.3	<0.1	<0.1	5.2	<1	<1	13.8	0.0001	0.0052	CS1		CS2
R4	BH24-03		MG		10/09/2024	1004		0.6	1.5	1.25	Partially flooded RZ	0.5	<0.1	<0.1	5.4	<1	<1	10.3	0.0001	0.0054	CS1		CS2
R1	DS104		MG/LHG		11/05/2023	1013		1	2	0.9	Flooded RZ		<0.1	<0.1	0.1	<1	<1	20.9	0.0001	0.0001	CS1		
R1	DS105		LHG/LC		11/05/2023	1012		1.1	5	0.92	Flooded RZ		16.6	<0.1	<0.1	<1	<1	7.7	0.0166	0.0166	CS1		
R1	DS120		MG/LHG/LC		11/05/2023	1015		1	5	0.98	Flooded RZ		0.3	1.2	<0.1	<1	<1	16.6	0.0036	0.0003	CS1	CS2	
R1	DS122		MG/LHG		11/05/2023	1013		1	3	1.05	Mostly flooded RZ		0.1	<0.1	5.5	<1	<1	6.6	0.0001	0.0055	CS1		CS2
R1	DS201		MG/LHG		11/05/2023	1010		1	3	0.94	Flooded RZ		21.2	1.8	<0.1	<1	10	19.5	0.3816	0.0212	CS2	CS2	
R1	DS202		MG/LHG/LC		11/05/2023	1015		2	5	1.17	Flooded RZ		0.2	<0.1	0.1	<1	<1	20.9	0.0002	0.0002	CS1		
R1	DS204		LHG/LC		11/05/2023	1013		1	5	3.8	Partially flooded RZ		0.1	<0.1	1.7	<1	<1	15.6	0.0001	0.0017	CS1		
R2	DS101		MG		17/05/2023	1028		1	2	1.26	Mostly flooded RZ		<0.1	<0.1	<0.1	<1	<1	11.6	0.0001	0.0001	CS1		
R2	DS103				17/05/2023	1028				0.94	No		<0.1	<0.1	<0.1	<1	<1	17.9	0.0001	0.0001	CS1		
R2	DS104		MG/LHG		17/05/2023	1028		1	2	1.09	Mostly flooded RZ		<0.1	<0.1	<0.1	<1	<1	19.9	0.0001	0.0001	CS1		
R2	DS105		LHG/LC		17/05/2023	1028		1.1	5	1.06	Flooded RZ		<0.1	1.3	<0.1	<1	<1	3.4	0.0013	0.0001	CS1	CS2	
R2	DS117		MG/LHG/LC		17/05/2023	1025		1	5	1.52	Partially flooded RZ		<0.1	<0.1	0.6	<1	<1	19.5	0.0001	0.0006	CS1		
R2	DS119		MG/LHG/LC		17/05/2023	1026		1	5	0.95	Flooded RZ		<0.1	<0.1	0.6	<1	<1	19.4	0.0001	0.0006	CS1		
R2	DS120		MG/LHG/LC		17/05/2023	1029		1	5	1.03	Mostly flooded RZ		<0.1	<0.1	<0.1	<1	<1	20.2	0.0001	0.0001	CS1		
R2	DS122		MG/LHG		17/05/2023	1028		1	3	1.26	Mostly flooded RZ		<0.1	<0.1	5.3	<1	<1	6.3	0.0001	0.0053	CS1		CS2
R2	CP105		LC/LMB		17/05/2023	1027		15	30	1.28	Flooded RZ		<0.1	<0.1	0.2	<1	<1	20.2	0.0001	0.0002	CS1		
R2	DS201		MG/LHG		17/05/2023	1028		1	3	1.16	Mostly flooded RZ		<0.1	6.7	<0.1	<1	10	6.7	0.0067	0.0001	CS1	CS2	
R2	DS202		MG/LHG/LC		17/05/2023	1028		2	5	1.22	Flooded RZ		<0.1	<0.1	<0.1	<1	<1	19.7	0.0001	0.0001	CS1		
R2	DS204		LHG/LC		17/05/2023	1026		1	5	3.29	Partially flooded RZ		<0.1	<0.1	1.3	<1	<1	18.6	0.0001	0.0013	CS1		
R2	CP202		LC/LMB		17/05/2023	1028		20	30	2.49	Flooded RZ		<0.1	<0.1	<0.1	<1	<1	20.3	0.0001	0.0001	CS1		
R3	CP301		MG		02/11/2023	957		1	4	1.48	Mostly flooded RZ		21.3	<0.1	1.1	<1	<1	4.5	0.0213	0.2343	CS2		
R3	DS303		MG/LHG		02/11/2023	958		1	3	1.45	Mostly flooded RZ		1.8	<0.1	1.3	<1	<1	16.2	0.0018	0.0234	CS1		
R3	DS304		MG/LHG		02/11/2023	956		0.5	3	0.91	Mostly flooded RZ		0.6	<0.1	<0.1	<1	<1	18.3	0.0006	0.0006	CS1		
R3	DS305		MG/LHG/LC		02/11/2023	956		1	4	0.75	Flooded RZ		39	<0.1	2.4	<1	<1	18.9	0.039	0.936	CS3		
R3	DS306		MG/LHG		02/11/2023	956		0.5	2	1.41	Partially flooded RZ		0.9	<0.1	1.5	<1	<1	13.6	0.0009	0.0135	CS1		
R4	DS303		MG/LHG		10/11/2023	993		1	3	1.66	Partially flooded RZ		1.5	<0.1	1.5	<1	<1	17.6	0.0015	0.0225	CS1		
R4	DS304		MG/LHG		10/11/2023	993		0.5	3	1.4	Partially flooded RZ		<0.1	<0.1	0.3	<1	<1	20	0.0001	0.0003	CS1		
R4	DS305		MG/LHG/LC		10/11/2023	992		1	4	1.19	Mostly flooded RZ		<0.1	<0.1	0.7	<1	<1	20	0.0001	0.0007	CS1		
R4	DS306		MG/LHG		10/11/2023	993		0.5	2	1.87	Partially flooded RZ		1.5	<0.1	0.2	<1	<1	20.2	0.0015	0.003	CS1		
R1	DS101		MG		09/08/2021-10/08/2021	1008		1	2	1.15	Mostly flooded RZ		<0.1	0.1	0.1	<1	<1	14.1	0.0001	0.0001	CS1		
R1	DS104		MG/LHG		09/08/2021-10/08/2021	1008		1	2	1.14	Mostly flooded RZ		<0.1	0.1	<0.1	<1	<1	13.6	0.0001	0.0001	CS1		
R1	DS105		LHG/LC		09/08/2021-10/08/2021	1008		1.1	5	1.34	Mostly flooded RZ		0.4	23.6	<0.1	<1	<1	1.7	0.0944	0.0004	CS2	CS2	
R1	DS107		LC		09/08/2021-10/08/2021	NR		1	3	0.5	Flooded RZ		<0.1	<0.1	0.2	<1	6	15.8	0.0001	0.0002	CS1		
R1	DS108		LHG/LC		09/08/2021-10/08/2021	1013		1	5	1.13	Mostly flooded RZ		<0.1	0.3	<0.1	<1	2	15	0.0003	0.0001	CS1		

LHR042 Thorney Lane
Gas monitoring spreadsheet

Round	BH	Zone	RZ Strata	Comments	Date	Atm pressure	Pressure	Top of RZ (mbgl)	Base of RZ (MBGL)	Depth to GW (mbgl)	Flooded?	PID (ppm)	Flow rate l/hr (max.)	Methane %v/v (max.)	Carbon Dioxide %v/v (max.)	Hydrogen Sulfide ppm	Carbon Monoxide ppm (max.)	Oxygen %v/v (min.)	GSV Methane	GSV Carbon dioxide	CS	Consider increase CH4	Consider increase CO2
R1	DS110		MG/LHG		09/08/2021-10/08/2021	1013		1	2	1.44	Mostly flooded RZ		<0.1	2.3	4.4	<1	<1	3.4	0.0023	0.0044	CS1	CS2	
R1	DS111		MG/LHG/LC		09/08/2021-10/08/2021	1013		1	5	1.48	Mostly flooded RZ		<0.1	<0.1	0.2	<1	<1	11.6	0.0001	0.0002	CS1		
R1	DS112		MG/LHG/LC		09/08/2021-10/08/2021	1013		1	5	1	Mostly flooded RZ		<0.1	<0.1	0.3	<1	<1	17.5	0.0001	0.0003	CS1		
R1	DS114		MG		09/08/2021-10/08/2021	1008		0.5	1	Dry	No		<0.1	<0.1	0.1	<1	<1	17.8	0.0001	0.0001	CS1		
R1	DS115		LHG/LC		09/08/2021-10/08/2021	1012		1	5	0.95	Flooded RZ		<0.1	<0.1	0.4	<1	2	15	0.0001	0.0004	CS1		
R1	DS116		MG/LHG/LC		09/08/2021-10/08/2021	1008		1	5	1.98	Partially flooded RZ		<0.1	<0.1	<0.1	<1	<1	20.9	0.0001	0.0001	CS1		
R1	DS117		MG/LHG/LC		09/08/2021-10/08/2021	1008		1	5	1.5	Partially flooded RZ		<0.1	4	1.3	<1	<1	12.4	0.004	0.0013	CS1	CS2	
R1	DS119		MG/LHG/LC		09/08/2021-10/08/2021	1008		1	5	0.864	Flooded RZ		-14	0.1	3.2	14	67	16.5	-0.014	-0.448	CS1		
R1	DS120		MG/LHG/LC		09/08/2021-10/08/2021	1012		1	5	1.195	Mostly flooded RZ		6.5	0.2	<0.1	<1	<1	18.8	0.013	0.0065	CS1		
R1	DS121		MG		09/08/2021-10/08/2021	1008		1	2	1.159	Mostly flooded RZ		<0.1	<0.1	0.2	<1	<1	16.5	0.0001	0.0002	CS1		
R1	DS122		MG/LHG		09/08/2021-10/08/2021	1008		1	3	1.11	Mostly flooded RZ		<0.1	<0.1	0.4	<1	<1	13.3	0.0001	0.0004	CS1		
R1	DS123		MG/LHG/LC		09/08/2021-10/08/2021	1008		1	5	0.79	Flooded RZ		<0.1	<0.1	0.6	<1	<1	10.3	0.0001	0.0006	CS1		
R1	DS125		LHG/LC		09/08/2021-10/08/2021	1008		1.5	4.5	0.454	Flooded RZ		<0.1	<0.1	0.6	<1	<1	8.2	0.0001	0.0006	CS1		
R2	DS101		MG		17/08/2021	1011		1	2	1.33	Mostly flooded RZ		<0.1	<0.1	<0.1	<10	<10	12.9	0.0001	0.0001	CS1		
R2	DS104		MG/LHG		17/08/2021	1011		1	2	1.29	Mostly flooded RZ		<0.1	<0.1	<0.1	<10	<10	20.2	0.0001	0.0001	CS1		
R2	DS105		LHG/LC		17/08/2021	1011		1.1	5	1.34	Mostly flooded RZ		<0.1	19.2	<0.1	<10	<10	1	0.0192	0.0001	CS1	CS2	
R2	DS107		LC		17/08/2021	1011		1	3	1.4	Mostly flooded RZ		<0.1	<0.1	1.6	<10	<10	14.8	0.0001	0.0016	CS1		
R2	DS108		LHG/LC		17/08/2021	1011		1	5	1.18	Mostly flooded RZ		<0.1	<0.1	<0.1	<10	<10	19.4	0.0001	0.0001	CS1		
R2	DS110		MG/LHG		17/08/2021	1010		1	2	1.81	Partially flooded RZ		3.4	<0.1	2.3	<10	<10	17.7	0.0034	0.0782	CS2		
R2	DS111		MG/LHG/LC		17/08/2021	1010		1	5	1.52	Partially flooded RZ		<0.1	<0.1	<0.1	<10	<10	11.3	0.0001	0.0001	CS1		
R2	DS112		MG/LHG/LC		17/08/2021	1010		1	5	1.38	Mostly flooded RZ		0.1	<0.1	1.1	<10	<10	17.3	0.0001	0.0011	CS1		
R2	DS115		LHG/LC		17/08/2021	1010		1	5	1.1	Mostly flooded RZ		<0.1	<0.1	0.4	<10	<10	15	0.0001	0.0004	CS1		
R2	DS116		MG/LHG/LC		17/08/2021	1011		1	5	1	Mostly flooded RZ		<0.1	<0.1	0.5	<10	<10	18.5	0.0001	0.0005	CS1		
R2	DS117		MG/LHG/LC		17/08/2021	1011		1	5	1.54	Partially flooded RZ		3.2	<0.1	0.5	<10	<10	19.3	0.0032	0.016	CS1		
R2	DS119		MG/LHG/LC		17/08/2021	1011		1	5	0.99	Flooded RZ		0.1	<0.1	2.2	<10	<10	18.5	0.0001	0.0022	CS1		
R2	DS120		MG/LHG/LC		17/08/2021	1011		1	5	0.81	Flooded RZ		65.8	<0.1	0.7	<10	<10	20.2	0.0658	0.4606	CS2		
R2	DS121		MG		17/08/2021	1011		1	2	1.09	Mostly flooded RZ		-0.1	<0.1	<0.1	<10	<10	19.7	-0.0001	-0.0001	CS1		
R2	DS122		MG/LHG		17/08/2021	1011		1	3	1.48	Mostly flooded RZ		<0.1	<0.1	0.6	<10	<10	18.9	0.0001	0.0006	CS1		
R2	DS123		MG/LHG/LC		17/08/2021	1011		1	5	1.38	Mostly flooded RZ		<0.1	<0.1	<0.1	<10	<10	20.4	0.0001	0.0001	CS1		
R3	CP105		LC/LMB		17/02/2022	1006		15	30	1.726	Flooded RZ		1.2	<0.1	1.6	<10	<10	15.2	0.0012	0.0192	CS1		
R3	DS101		MG		17/02/2022	1005		1	2	1.468	Mostly flooded RZ		<0.1	<0.1	<0.1	<10	<10	15.6	0.0001	0.0001	CS1		
R3	DS104		MG/LHG		17/02/2022	1007		1	2	1.385	Mostly flooded RZ		<0.1	<0.1	<0.1	<10	<10	20.3	0.0001	0.0001	CS1		
R3	DS105		LHG/LC		17/02/2022	1006		1.1	5	1.487	Mostly flooded RZ		<0.1	<0.1	<0.1	<10	<10	4.8	0.0001	0.0001	CS1		
R3	DS107		LC		17/02/2022	1005		1	3	1.27	Mostly flooded RZ		<0.1	<0.1	2.5	<10	<10	8.6	0.0001	0.0025	CS1		
R3	DS111		MG/LHG/LC		17/02/2022	1005		1	5	1.854	Partially flooded RZ		<0.1	<0.1	<0.1	<10	<10	20.3	0.0001	0.0001	CS1		
R3	DS114		MG		17/02/2022	1005		0.5	1	DRY	No		<0.1	<0.1	<0.1	<10	<10	20	0.0001	0.0001	CS1		
R3	DS115		LHG/LC		17/02/2022	1005		1	5	1.02	Mostly flooded RZ		21.4	<0.1	<0.1	<10	<10	19.3	0.0214	0.0214	CS1		
R3	DS116		MG/LHG/LC		17/02/2022	1005		1	5	1.036	Mostly flooded RZ		-64.1	<0.1	0.8	<10	<10	10.5	-0.0641	-0.5128	CS1		
R3	DS117		MG/LHG/LC		17/02/2022	1005		1	5	1.54	Partially flooded RZ		<0.1	2	2.5	<10	<10	9.6	0.002	0.0025	CS1	CS2	

LHR042 Thorney Lane
Gas monitoring spreadsheet

Round	BH	Zone	RZ Strata	Comments	Date	Atm pressure	Pressure	Top of RZ (mbgl)	Base of RZ (MBGL)	Depth to GW (mbgl)	Flooded?	PID (ppm)	Flow rate l/hr (max.)	Methane %v/v (max.)	Carbon Dioxide %v/v (max.)	Hydrogen Sulfide ppm	Carbon Monoxide ppm (max.)	Oxygen %v/v (min.)	GSV Methane	GSV Carbon dioxide	CS	Consider increase	
																						CH4	CO2
R3	DS119		MG/LHG/LC		17/02/2022	1006		1	5	0.944	Flooded RZ		2.5	<0.1	4.1	<10	<10	8.5	0.0025	0.1025	CS2		
R3	DS120		MG/LHG/LC		17/02/2022	1007		1	5	1.502	Partially flooded RZ		<0.1	1.4	<0.1	<10	<10	0.6	0.0014	0.0001	CS1	CS2	
R3	DS122		MG/LHG		17/02/2022	1006		1	3	1.484	Mostly flooded RZ		0.3	-0.1	2.3	<10	<10	10.2	-0.0003	0.0069	CS1		
R3	DS123		MG/LHG/LC		17/02/2022	1006		1	5	0.791	Flooded RZ		<0.1	<0.1	2.9	<10	<10	7	0.0001	0.0029	CS1		
R3	DS125		LHG/LC		17/02/2022	1007		1.5	4.5	0.611	Flooded RZ		61.2	<0.1	2.7	<10	<10	12.2	0.0612	1.6524	CS3		
R4	CP105		LC/LMB		02/03/2022	1015		15	30	1.56	Flooded RZ		4.8	<0.1	0.8	<10	<10	17.3	0.0048	0.0384	CS1		
R4	DS101		MG		02/03/2022	1013		1	2	1.31	Mostly flooded RZ		-41.1	<0.1	<0.1	<10	<10	18.7	-0.0411	-0.0411	CS1		
R4	DS104		MG/LHG		02/03/2022	1015		1	2	1.22	Mostly flooded RZ		<0.1	<0.1	<0.1	<10	<10	19.1	0.0001	0.0001	CS1		
R4	DS105		LHG/LC		02/03/2022	1012		1.1	5	NR	No		<0.1	<0.1	<0.1	<10	<10	14	0.0001	0.0001	CS1		
R4	DS107		LC		02/03/2022	1013		1	3	0.88	Flooded RZ		<0.1	<0.1	2.3	<10	<10	7.9	0.0001	0.0023	CS1		
R4	DS111		MG/LHG/LC		02/03/2022	1012		1	5	1.61	Partially flooded RZ		<0.1	<0.1	<0.1	<10	<10	16	0.0001	0.0001	CS1		
R4	DS112		MG/LHG/LC		02/03/2022	1015		1	5	1.01	Mostly flooded RZ		<0.1	<0.1	1	<10	<10	14.6	0.0001	0.001	CS1		
R4	DS114		MG		02/03/2022	1015		0.5	1	DRY	No		<0.1	<0.1	<0.1	<10	<10	19.5	0.0001	0.0001	CS1		
R4	DS115		LHG/LC		02/03/2022	1013		1	5	0.85	Flooded RZ		2.2	<0.1	<0.1	<10	<10	19.3	0.0022	0.0022	CS1		
R4	DS116		MG/LHG/LC		02/03/2022	1015		1	5	1.88	Partially flooded RZ		52.3	<0.1	0.5	<10	<10	13.6	0.0523	0.2615	CS2		
R4	DS119		MG/LHG/LC		02/03/2022	1016		1	5	0.86	Flooded RZ		41.6	<0.1	3.6	<10	<10	14.5	0.0416	1.4976	CS3		
R4	DS120		MG/LHG/LC		02/03/2022	1015		1	5	1.37	Mostly flooded RZ		<0.1	<0.1	<0.1	<10	<10	7	0.0001	0.0001	CS1		
R4	DS122		MG/LHG		02/03/2022	1016		1	3	1.35	Mostly flooded RZ		<0.1	<0.1	1.9	<10	<10	12.7	0.0001	0.0019	CS1		
R4	DS125		LHG/LC		02/03/2022	1016		1.5	4.5	0.4	Flooded RZ		<0.1	<0.1	<0.1	<10	<10	17.9	0.0001	0.0001	CS1		
R5	CP105		LC/LMB		11/03/2022	1000		15	30	1.66	Flooded RZ		<0.1	<0.1	0.2	<1	<1	18.7	0.0001	0.0002	CS1		
R5	DS104		MG/LHG		11/03/2022	994		1	2	1.24	Mostly flooded RZ		<0.1	<0.1	<0.1	<1	<1	7.2	0.0001	0.0001	CS1		
R5	DS105		LHG/LC		11/03/2022	994		1.1	5	1.27	Mostly flooded RZ		<0.1	<0.1	<0.1	<1	<1	7.2	0.0001	0.0001	CS1		
R5	DS114		MG		11/03/2022	997		0.5	1	DRY	No		<0.1	<0.1	<0.1	<1	<1	19.3	0.0001	0.0001	CS1		
R5	DS115		LHG/LC		11/03/2022	996		1	5	1.11	Mostly flooded RZ		<0.1	<0.1	<0.1	<1	<1	20.2	0.0001	0.0001	CS1		
R5	DS116		MG/LHG/LC		11/03/2022	997		1	5	1.04	Mostly flooded RZ		<0.1	<0.1	0.5	<1	<1	19.2	0.0001	0.0005	CS1		
R5	DS117		MG/LHG/LC		11/03/2022	997		1	5	1.55	Partially flooded RZ		<0.1	<0.1	4	<1	<1	13.8	0.0001	0.004	CS1		
R5	DS119		MG/LHG/LC		11/03/2022	998		1	5	0.99	Flooded RZ		<0.1	<0.1	2	<1	<1	18.8	0.0001	0.002	CS1		
R5	DS120		MG/LHG/LC		11/03/2022	995		1	5	1.29	Mostly flooded RZ		41.8	<0.1	<0.1	<1	<1	16.2	0.0418	0.0418	CS1		
R5	DS123		MG/LHG/LC		11/03/2022	995		1	5	1.01	Mostly flooded RZ		<0.1	<0.1	<0.1	<1	<1	19.6	0.0001	0.0001	CS1		
R5	DS125		LHG/LC		11/03/2022	996		1.5	4.5	1.29	Flooded RZ		<0.1	<0.1	0.8	<1	<1	19.8	0.0001	0.0008	CS1		
R6	CP105		LC/LMB		22/03/2022	1021		15	30	1.56	Flooded RZ		<0.1	<0.1	1.9	<1	<1	18.6	0.0001	0.0019	CS1		
R6	DS105		LHG/LC		22/03/2022	1021		1.1	5	1.24	Mostly flooded RZ		<0.1	12.1	<0.1	<1	<1	2.1	0.0121	0.0001	CS1	CS2	
R6	DS107		LC		22/03/2022	1024		1	3	0.98	Flooded RZ		<0.1	<0.1	0.4	<1	<1	16.2	0.0001	0.0004	CS1		
R6	DS110		MG/LHG		22/03/2022	1024		1	2	1.5	Partially flooded RZ		<0.1	<0.1	0.2	<1	<1	14.5	0.0001	0.0002	CS1		
R6	DS112		MG/LHG/LC		22/03/2022	1024		1	5	1.09	Mostly flooded RZ		<0.1	<0.1	<0.1	<1	<1	20.4	0.0001	0.0001	CS1		
R6	DS114		MG		22/03/2022	1022		0.5	1	DRY	No		<0.1	<0.1	<0.1	<1	<1	19.1	0.0001	0.0001	CS1		
R6	DS115		LHG/LC		22/03/2022	1022		1	5	1.12	Mostly flooded RZ		<0.1	<0.1	<0.1	<1	<1	20.4	0.0001	0.0001	CS1		
R6	DS116		MG/LHG/LC		22/03/2022	1021		1	5	1.05	Mostly flooded RZ		<0.1	<0.1	3.4	<1	<1	20	0.0001	0.0034	CS1		
R6	DS119		MG/LHG/LC		22/03/2022	1021		1	5	0.99	Flooded RZ		17	<0.1	3	<1	<1	18.3	0.017	0.51	CS2		
R6	DS120		MG/LHG/LC		22/03/2022	1021		1	5	1.34	Mostly flooded RZ		27.2	<0.1	0.3	<1	<1	17.2	0.0272	0.0816	CS2		
R6	DS122		MG/LHG		22/03/2022	1020		1	3	1.39	Mostly flooded RZ		<0.1	<0.1	1.9	<1	<1	12.5	0.0001	0.0019	CS1		
R6	DS123		MG/LHG/LC		22/03/2022	1021		1	5	0.98	Flooded RZ		<0.1	<0.1	0.4	<1	<1	21.2	0.0001	0.0004	CS1		
R6	DS125		LHG/LC		22/03/2022	1021		1.5	4.5	0.69	Flooded RZ		<0.1	<0.1	0.8	<1	<1	20.1	0.0001	0.0008	CS1		

Appendix D

Risk assessment methodology

D.1 Risk assessment methodology

The potential risks to human health and environmental receptors have been considered in accordance with the current UK approach to contaminated land assessment, taking into consideration the available information on the construction and operational phases of the development.

The method for risk evaluation takes into consideration the magnitude of the potential severity of the risk, as well as the probability of the risk occurring. The risk characterisations have been assessed based on the qualitative method of interpretation set out in CIRIA guidance C552 [18].

The method for risk evaluation involves the classification of the:

- magnitude of the potential consequence (severity) of the risk occurring (refer to Table D-1); and
- magnitude of the probability (likelihood) of the risk occurring (refer to Table D-2).

Table D-1 Classification of consequence

Classification	Definition
Severe	Short- Protection Act 1990, Part IIA. Short-term risk of pollution of a sensitive water resource. Catastrophic damage to buildings or property. A short-term risk to an ecosystem, or organism forming part of such ecosystem.
Medium	Chronic damage to human health. Pollution of a sensitive water resource. A significant change to an ecosystem, or organism forming part of such ecosystem.
Mild	Pollution of a non-sensitive water resource, such as non-classified groundwater. Damage to buildings, structures and services.
Minor	Harm, which may result in a financial loss, or expenditure to resolve. Non-permanent effects to human health, which could easily be prevented by means such as personal protective clothing. Easily repairable effects of damage to buildings, structures and services.

Table D-2 Classification of likelihood

Classification	Definition
High likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long-term, or there is evidence at the receptor level of harm or pollution.
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible over the short term and likely over the long term.
Low likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is not certain that such an event would take place.
Unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the very long term.

Table D-3 presents the risk assessment matrix and Table D-4 defines the risk classifications.

Table D-3 Comparison of consequence against probability

		Consequence			
		Severe	**Medium**	**Mild**	**Minor**
Probability	**High likelihood**	Very high risk	High risk	Moderate risk	Moderate/ low risk
	Likely	High risk	Moderate risk	Moderate/ low risk	Low risk
	Low likelihood	Moderate risk	Moderate/ low risk	Low risk	Very low risk

		Consequence			
		Severe	**Medium**	**Mild**	**Minor**
	Unlikely	Moderate/ low risk	Low risk	Very low risk	Very low risk

Table D-4 Risk classification descriptions

Risk classification	Description of risk
Very high	There is a high probability that severe harm could arise to a designated receptor from an identified pollutant linkage at the site without appropriate remediation action. OR there is evidence that severe harm to a designated receptor is currently happening. The risk, if realised, is likely to result in substantial liability.
High	Harm is likely to arise to a designated receptor from an identified pollutant linkage at the site without appropriate remediation action. Realisation of the risk is likely to present a substantial liability.
Moderate	It is possible that without appropriate remediation action, harm could arise to a designated receptor from an identified pollutant linkage. It is relatively unlikely that any such harm would be severe, and if any harm were to occur, it is more likely that such harm would be relatively mild.
Low	It is possible that harm could arise to a designated receptor from an identified pollutant linkage. It is likely that if any harm was realised, at worst any effects would be mild.
Very low	The presence of an identified pollutant linkage does not give rise to the potential to cause harm to a designated receptor.

Appendix E

Waste classification report s

E.1 Waste Assessment Methodology

Framework

There are three types of permitted landfill (inert, non-hazardous and hazardous) and four principal types of waste, as outlined below:

- Inert; generally uncontaminated natural soils and certain clean construction materials such as crushed concrete. The material may be disposed of to an inert landfill without testing. If the natural soils are suspected as contaminated, then it may be classed as inert if it satisfies the inert waste acceptance criteria (WAC). Made Ground would typically be required to be tested and pass the WAC in order to be classed as inert. Inert materials may also be used as a construction material in other sites given appropriate waste management permitting.
-
  classified waste may only be disposed of to a hazardous landfill (following treatment) if in addition it satisfies the TOC and leachability WAC.
- Stable non-reactive hazardous waste; defined in a similar manner to hazardous waste (i.e. classed as hazardous) but then satisfying a stricter set of WAC. Following treatment, it may be disposed of in specifically designed separate cells in non-hazardous landfills (if the operator has obtained a permit to operate these cells).
- Non-hazardous waste; if the waste is not classified as inert or hazardous then it is non-hazardous. There is no WAC for non-hazardous waste.

Hazardous waste classification

The following documents were used to carry out the initial waste classification and disposal assessment of Made Ground and natural soil arisings generated by the development:

- Environment Agency (2021), Waste Classification, Guidance on the classification and assessment of waste (1st Edition v1.2.GB), Technical Guidance WM3 [29].
- The Hazardous Waste (England and Wales) Regulations 2005 [31].
- Annex VI to Regulation (EC) No. 1272/2008 as amended [32] [33].

Metals may be classified as hazardous based on a number of potential hazardous properties including carcinogenic (HP7 lowest threshold 1,000mg/kg), ecotoxic (HP14 lowest threshold 2,500mg/kg), acute toxicity (HP6 lowest threshold 2,500mg/kg), toxic for reproduction (HP10 lowest threshold 3,000mg/kg) and specific organ toxicity (HP5 lowest threshold 100,000mg/kg). Except for HP7, the other classifications are additive, i.e. the concentrations are converted to the worst case (for harm) compound and added together before comparison with the thresholds.

Hydrocarbons in contaminated soils are generally categorised against the hazardous properties carcinogenic (HP7) and ecotoxic (HP14). For HP7, waste would be defined as hazardous if category 1A or 1B carcinogenic compounds (e.g. benzene) exceeded 0.1% (1,000mg/kg), or category 2 compounds (e.g. diesel) exceeded 1% (10,000mg/kg). TPH is an aggregate parameter that includes a range of carcinogenic compounds, along with other elements not classified as carcinogenic. In most circumstances TPH contaminated soil
record (specific diesel source, such as a leaking tank) and a consistent hydrocarbon profile to indicate diesel or weathered diesel being the contaminating oil (chromatograph analysis by the testing laboratory) and a worst case should be assumed.

Mutagenic unless the concentration of benzo[a]pyrene is <0.01% of the TPH concentration.

The hazardous waste threshold for asbestos is 0.1% w/w. It is noted that the quantification weight percentage of asbestos is difficult to achieve as asbestos can be present in a wide range of forms.

While it is likely that ACM, such as cemented asbestos, board or lagging, will exceed such a threshold, the quantity of ACM in a bulk sample will often be below this level. WM3 states that where a waste contains identifiable pieces of ACM (that can be identified as potentially being asbestos by a competent person if examined by the naked eye) then these pieces must be assessed separately. If the ACM cannot be segregated the waste is regarded as hazardous if the concentration of asbestos in the ACM pieces alone is greater than 0.1%w/w.

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

COMEV-XXFHA-I7JUE

Report is invalid if pages are removed.

Job name

276894-24

Description/Comments

This preliminary waste assessment for LHR042 is based on the available sediment data from the 2025 ground investigation. A wet weight moisture correction has been applied. Several metal compounds were altered to more likely compounds based on the available data and site history.
HazWasteOnline conservatively classifies all samples with detectable concentrations of TPH and BTEX compounds as being potentially hazardous due to hazard property HP 3(i)(flammable). Typically, this hazard property is not applicable to soils as it is a solid waste without a free draining liquid phase. However, one of the manhole sediment samples has a high TPH concentration (>80,000mg/kg) and diesel free product is present in this location. In the absence of flammability flash point laboratory testing, this sample is considered potentially flammable. This sample is classified as hazardous overall due to HP7, HP10, HP11 and HP14.
WM3 also states that if the contaminating oil is unknown, a marker compound can be used, whereby if the concentration of benzo(a)pyrene is <0.01% of the TPH concentration, the waste is not carcinogenic and mutagenic. This approach has been applied.

Project

276894

Site

Thorney Lane

Classified by

Name:
Claire Chamley
Date:
12 May 2025 14:15 GMT
Telephone:
020 7755 6596

Company:
Ove Arup
8 Fitzroy Street
London
W14 4BJ

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification: **CERTIFIED**

Course	Date
Hazardous Waste Classification	03 Dec 2015
Most recent 3 year Refresher	05 Dec 2023

Next 3 year Refresher due by Dec 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

Thorney Business Park, Thorney Lane North, Iver, Buckinghamshire **Post Code** SL0 9HF

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Ground investigation

Description of the specific process, sub-process and/or activity that created the waste

Ground investigation to obtain geoenvironmental and geotechnical data to support the proposed redevelopment of the site.

Description of the waste

Sediment samples from drainage manholes and an attenuation pond.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	Attenuation Pond-1AA-02/04/2025-0.00	0.00	Non Hazardous		3
2	Drainage 3-2A-02/04/2025-0.00	0.00	Non Hazardous		6
3	Attenation Pond-2A-08/04/2025-0.00	0.00	Non Hazardous		9
4	Drainage 1-2A-08/04/2025-0.00	0.00	Hazardous	HP 3(i), HP 10, HP 14	12
5	Drainage 2-1A-25/03/2025-0.00	0.00	Hazardous	HP 7, HP 11	15
6	Drainage 3-25/03/2025-		Hazardous	HP 7, HP 11	18
7	Attenuation Pond-2A-08/04/2025-0.00	0.00	Non Hazardous		21

Related documents

#	Name	Description
1	HWOL_25-06361-20250429 155057.hwol	Eurofins Chemtest .hwol file used to populate the Job
2	HWOL_25-06427-20250321 170802.hwol	Eurofins Chemtest .hwol file used to populate the Job
3	HWOL_25-07156-20250325 171805.hwol	Eurofins Chemtest .hwol file used to populate the Job
4	HWOL_25-07758-20250325 101010.hwol	Eurofins Chemtest .hwol file used to populate the Job
5	HWOL_25-10531-20250407 142250.hwol	Eurofins Chemtest .hwol file used to populate the Job
6	HWOL_25-11458-20250415 100211.hwol	Eurofins Chemtest .hwol file used to populate the Job
7	HWOL_25-12078-20250424 133223.hwol	Eurofins Chemtest .hwol file used to populate the Job
8	HWOL_25-12078-20250425 134511.hwol	Eurofins Chemtest .hwol file used to populate the Job
9	LHR042B.BATCH	Eurofins Chemtest .batch file used to populate the Job
10	Contaminated soils waste stream WM3 v1.2.GB	waste stream template used to create this Job

Report

Created by: Claire Chamley

Created date: 12 May 2025 14:15 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	24
Appendix B: Rationale for selection of metal species	25
Appendix C: Version	26

Classification of sample: Attenuation Pond-1AA-02/04/2025-0.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
Attenuation Pond-1AA-02/04/2025-0.00
Sample Depth:
0.00 m
Moisture content:
68%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 68% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		2.9 mg/kg	1.197	1.111 mg/kg	0.000111 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9 mg/kg	1.32	3.803 mg/kg	0.00038 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6 mg/kg	2.775	0.533 mg/kg	0.0000533 %	✓	
4	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		3.6 mg/kg	3.22	3.709 mg/kg	0.000371 %	✓	
5	cadmium { cadmium fluoride }	048-006-00-2	232-222-0	7790-79-6		0.33 mg/kg	1.338	0.141 mg/kg	0.0000141 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23 mg/kg	1.462	10.757 mg/kg	0.00108 %	✓	
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		**<LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		40 mg/kg	1.126	14.411 mg/kg	0.00144 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	74 mg/kg		23.68 mg/kg	0.00237 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.13 mg/kg	1.353	0.0563 mg/kg	0.00000563 %	✓	
11	nickel { nickel(II) carbonate }	028-010-00-0	222-068-2 [1] 240-408-8 [2] 265-748-4 [3] 235-715-9 [4]	3333-67-3 [1] 16337-84-1 [2] 65405-96-1 [3] 12607-70-4 [4]		18 mg/kg	2.022	11.649 mg/kg	0.00116 %	✓	
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.47 mg/kg	2.554	0.384 mg/kg	0.0000384 %	✓	
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		35 mg/kg	1.785	19.994 mg/kg	0.002 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		140	mg/kg	1.968	88.184	mg/kg	0.00882 %	✓	
15		acenaphthene		201-469-6	83-32-9		0.31	mg/kg		0.0992	mg/kg	0.00000992 %	✓	
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.2	mg/kg		0.384	mg/kg	0.0000384 %	✓	
17		fluoranthene		205-912-4	206-44-0		6.5	mg/kg		2.08	mg/kg	0.000208 %	✓	
18		fluorene		201-695-5	86-73-7		0.25	mg/kg		0.08	mg/kg	0.000008 %	✓	
19		indeno[123-cd]pyrene		205-893-2	193-39-5		5.9	mg/kg		1.888	mg/kg	0.000189 %	✓	
20		phenanthrene		201-581-5	85-01-8		2.1	mg/kg		0.672	mg/kg	0.0000672 %	✓	
21		pyrene		204-927-3	129-00-0		5.9	mg/kg		1.888	mg/kg	0.000189 %	✓	
22		naphthalene	601-052-00-2	202-049-5	91-20-3		0.23	mg/kg		0.0736	mg/kg	0.00000736 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.42	mg/kg		0.134	mg/kg	0.0000134 %	✓	
24		anthracene		204-371-1	120-12-7		0.9	mg/kg		0.288	mg/kg	0.0000288 %	✓	
25		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		4.1	mg/kg		1.312	mg/kg	0.000131 %	✓	
26		benzo[ghi]perylene		205-883-8	191-24-2		5.5	mg/kg		1.76	mg/kg	0.000176 %	✓	
27		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		6.9	mg/kg		2.208	mg/kg	0.000221 %	✓	
28		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		11	mg/kg		3.52	mg/kg	0.000352 %	✓	
29		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.8	mg/kg		1.216	mg/kg	0.000122 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		5.2	mg/kg		1.664	mg/kg	0.000166 %	✓	
31		TPH (C6 to C40) petroleum group			TPH		2300	mg/kg		736	mg/kg	0.0736 %	✓	
32		confirm TPH has NOT arisen from diesel or petrol					☑							
											Total:	0.0934 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 3000 mg/kg (0.3%) because: HP 3(i) "Flammable" is not considered to apply as this is a solid waste without a free draining liquid phase and low TPH concentration.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0736%)

Classification of sample: Drainage 3-2A-02/04/2025-0.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
Drainage 3-2A-02/04/2025-0.00
Sample Depth:
0.00 m
Moisture content:
32%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 32% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		8.2 mg/kg	1.197	6.675 mg/kg	0.000668 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		11 mg/kg	1.32	9.876 mg/kg	0.000988 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.9 mg/kg	2.775	1.699 mg/kg	0.00017 %	✓	
4	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.5 mg/kg	3.22	3.284 mg/kg	0.000328 %	✓	
5	cadmium { cadmium fluoride }	048-006-00-2	232-222-0	7790-79-6		0.59 mg/kg	1.338	0.537 mg/kg	0.0000537 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		48 mg/kg	1.462	47.705 mg/kg	0.00477 %	✓	
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		160 mg/kg	1.126	122.497 mg/kg	0.0122 %	✓	
9	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	94 mg/kg		63.92 mg/kg	0.00639 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.1 mg/kg	1.353	0.092 mg/kg	0.0000092 %	✓	
11	nickel { nickel(II) carbonate }	028-010-00-0	222-068-2 [1] 240-408-8 [2] 265-748-4 [3] 235-715-9 [4]	3333-67-3 [1] 16337-84-1 [2] 65405-96-1 [3] 12607-70-4 [4]		28 mg/kg	2.022	38.507 mg/kg	0.00385 %	✓	
12	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.62 mg/kg	2.554	1.077 mg/kg	0.000108 %	✓	
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		47 mg/kg	1.785	57.055 mg/kg	0.00571 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		zinc { trizinc bis(orthophosphate) }				330	mg/kg	1.968	441.708	mg/kg	0.0442 %	✓	
		030-011-00-6	231-944-3	7779-90-0									
15		acenaphthene				0.63	mg/kg		0.428	mg/kg	0.0000428 %	✓	
			201-469-6	83-32-9									
16		dibenz[a,h]anthracene				0.48	mg/kg		0.326	mg/kg	0.0000326 %	✓	
		601-041-00-2	200-181-8	53-70-3									
17		fluoranthene				4.4	mg/kg		2.992	mg/kg	0.000299 %	✓	
			205-912-4	206-44-0									
18		fluorene				0.46	mg/kg		0.313	mg/kg	0.0000313 %	✓	
			201-695-5	86-73-7									
19		indeno[123-cd]pyrene				2.4	mg/kg		1.632	mg/kg	0.000163 %	✓	
			205-893-2	193-39-5									
20		phenanthrene				1.9	mg/kg		1.292	mg/kg	0.000129 %	✓	
			201-581-5	85-01-8									
21		pyrene				3.9	mg/kg		2.652	mg/kg	0.000265 %	✓	
			204-927-3	129-00-0									
22		naphthalene				0.25	mg/kg		0.17	mg/kg	0.000017 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23		acenaphthylene				0.17	mg/kg		0.116	mg/kg	0.0000116 %	✓	
			205-917-1	208-96-8									
24		anthracene				0.43	mg/kg		0.292	mg/kg	0.0000292 %	✓	
			204-371-1	120-12-7									
25		benzo[a]anthracene				1.9	mg/kg		1.292	mg/kg	0.000129 %	✓	
		601-033-00-9	200-280-6	56-55-3									
26		benzo[ghi]perylene				2.2	mg/kg		1.496	mg/kg	0.00015 %	✓	
			205-883-8	191-24-2									
27		benzo[a]pyrene; benzo[def]chrysene				2.7	mg/kg		1.836	mg/kg	0.000184 %	✓	
		601-032-00-3	200-028-5	50-32-8									
28		benzo[b]fluoranthene				4.4	mg/kg		2.992	mg/kg	0.000299 %	✓	
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				1.5	mg/kg		1.02	mg/kg	0.000102 %	✓	
		601-036-00-5	205-916-6	207-08-9									
30		chrysene				2.4	mg/kg		1.632	mg/kg	0.000163 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		TPH (C6 to C40) petroleum group				960	mg/kg		652.8	mg/kg	0.0653 %	✓	
				TPH									
32		confirm TPH has NOT arisen from diesel or petrol				☑							
										Total:	0.147 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 3000 mg/kg (0.3%) because: HP 3(i) "Flammable" is not considered to apply as this is a solid waste without a free draining liquid phase and low TPH concentration.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0653%)

Classification of sample: Attenation Pond-2A-08/04/2025-0.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
Attenation Pond-2A-08/04/2025-0.00
Sample Depth:
0.00 m
Moisture content:
39%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 39% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		7.6	pH		7.6	pH	7.6 pH		
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.3	mg/kg	1.32	4.269	mg/kg	0.000427 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<**LOD**
5	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		2.5	mg/kg	3.22	4.91	mg/kg	0.000491 %	✓	
6	cadmium { cadmium fluoride }	048-006-00-2	232-222-0	7790-79-6		0.12	mg/kg	1.338	0.0979	mg/kg	0.00000979 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13	mg/kg	1.462	11.59	mg/kg	0.00116 %	✓	
8	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20	mg/kg	1.126	13.736	mg/kg	0.00137 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	36	mg/kg		21.96	mg/kg	0.0022 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.07	mg/kg	1.353	0.0578	mg/kg	0.00000578 %	✓	
12	nickel { nickel(II) carbonate }	028-010-00-0	222-068-2 [1] 240-408-8 [2] 265-748-4 [3] 235-715-9 [4]	3333-67-3 [1] 16337-84-1 [2] 65405-96-1 [3] 12607-70-4 [4]		10	mg/kg	2.022	12.337	mg/kg	0.00123 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.25	mg/kg	2.554	<0.638	mg/kg	<0.0000638 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
14		vanadium { divanadium pentaoxide; vanadium pentoxide }				19	mg/kg	1.785	20.69	mg/kg	0.00207 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
15		zinc { trizinc bis(orthophosphate) }				69	mg/kg	1.968	82.85	mg/kg	0.00828 %	✓	
		030-011-00-6	231-944-3	7779-90-0									
16		acenaphthene				0.3	mg/kg		0.183	mg/kg	0.0000183 %	✓	
			201-469-6	83-32-9									
17		dibenz[a,h]anthracene				1.1	mg/kg		0.671	mg/kg	0.0000671 %	✓	
		601-041-00-2	200-181-8	53-70-3									
18		fluoranthene				6	mg/kg		3.66	mg/kg	0.000366 %	✓	
			205-912-4	206-44-0									
19		fluorene				0.24	mg/kg		0.146	mg/kg	0.0000146 %	✓	
			201-695-5	86-73-7									
20		indeno[123-cd]pyrene				6.1	mg/kg		3.721	mg/kg	0.000372 %	✓	
			205-893-2	193-39-5									
21		phenanthrene				2	mg/kg		1.22	mg/kg	0.000122 %	✓	
			201-581-5	85-01-8									
22		pyrene				5.4	mg/kg		3.294	mg/kg	0.000329 %	✓	
			204-927-3	129-00-0									
23		naphthalene				0.23	mg/kg		0.14	mg/kg	0.000014 %	✓	
		601-052-00-2	202-049-5	91-20-3									
24		acenaphthylene				0.49	mg/kg		0.299	mg/kg	0.0000299 %	✓	
			205-917-1	208-96-8									
25		anthracene				0.91	mg/kg		0.555	mg/kg	0.0000555 %	✓	
			204-371-1	120-12-7									
26		benzo[a]anthracene				3.9	mg/kg		2.379	mg/kg	0.000238 %	✓	
		601-033-00-9	200-280-6	56-55-3									
27		benzo[ghi]perylene				6.3	mg/kg		3.843	mg/kg	0.000384 %	✓	
			205-883-8	191-24-2									
28		benzo[a]pyrene; benzo[def]chrysene				7.1	mg/kg		4.331	mg/kg	0.000433 %	✓	
		601-032-00-3	200-028-5	50-32-8									
29		benzo[b]fluoranthene				10	mg/kg		6.1	mg/kg	0.00061 %	✓	
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				3.5	mg/kg		2.135	mg/kg	0.000213 %	✓	
		601-036-00-5	205-916-6	207-08-9									
31		chrysene				4.8	mg/kg		2.928	mg/kg	0.000293 %	✓	
		601-048-00-0	205-923-4	218-01-9									
32		TPH (C6 to C40) petroleum group				1000	mg/kg		610	mg/kg	0.061 %	✓	
				TPH									
33		confirm TPH has NOT arisen from diesel or petrol				☑							
										Total:	0.0818 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 3000 mg/kg (0.3%) because: HP 3(i) "Flammable" is not considered to apply as this is a solid waste without a free draining liquid phase and low TPH concentration.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.061%)

Classification of sample: Drainage 1-2A-08/04/2025-0.00

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
Drainage 1-2A-08/04/2025-0.00
Sample Depth:
0.00 m
Moisture content:
35%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 5.206%)

HP 10: Toxic for reproduction "waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring"

Hazard Statements hit:

Repr. 2; H361d "Suspected of damaging the unborn child."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 5.206%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinand:

trizinc bis(orthophosphate) (compound conc.: 0.205%)

Aquatic Chronic 2; H411 "Toxic to aquatic life with long lasting effects."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 5.206%)

Determinands

Moisture content: 35% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		pH				8.3	pH		8.3	pH	8.3 pH		
				PH									
2		antimony { antimony trioxide }				43	mg/kg	1.197	33.459	mg/kg	0.00335 %	✓	
		051-005-00-X	215-175-0	1309-64-4									
3		arsenic { arsenic trioxide }				12	mg/kg	1.32	10.299	mg/kg	0.00103 %	✓	
		033-003-00-0	215-481-4	1327-53-3									

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.263 mg/kg	0.000126 %	✓	
5	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.1 mg/kg	3.22	2.302 mg/kg	0.00023 %	✓	
6	cadmium { cadmium fluoride }	048-006-00-2	232-222-0	7790-79-6		0.69 mg/kg	1.338	0.6 mg/kg	0.00006 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		<2 mg/kg	1.462	<2.923 mg/kg	<0.000292 %		<LOD
8	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		270 mg/kg	1.126	197.593 mg/kg	0.0198 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	110 mg/kg		71.5 mg/kg	0.00715 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.11 mg/kg	1.353	0.0968 mg/kg	0.00000968 %	✓	
12	nickel { nickel(II) carbonate }	028-010-00-0	222-068-2 [1] 240-408-8 [2] 265-748-4 [3] 235-715-9 [4]	3333-67-3 [1] 16337-84-1 [2] 65405-96-1 [3] 12607-70-4 [4]		27 mg/kg	2.022	35.493 mg/kg	0.00355 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.47 mg/kg	2.554	0.78 mg/kg	0.000078 %	✓	
14	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		49 mg/kg	1.785	56.858 mg/kg	0.00569 %	✓	
15	zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		1600 mg/kg	1.968	2047.132 mg/kg	0.205 %	✓	
16	acenaphthene		201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
17	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene		205-912-4	206-44-0		12 mg/kg		7.8 mg/kg	0.00078 %	✓	
19	fluorene		201-695-5	86-73-7		21 mg/kg		13.65 mg/kg	0.00137 %	✓	
20	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	phenanthrene		201-581-5	85-01-8		38 mg/kg		24.7 mg/kg	0.00247 %	✓	
22	pyrene		204-927-3	129-00-0		13 mg/kg		8.45 mg/kg	0.000845 %	✓	
23	naphthalene	601-052-00-2	202-049-5	91-20-3		42 mg/kg		27.3 mg/kg	0.00273 %	✓	
24	acenaphthylene		205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	anthracene		204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene		205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
30		benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
31		chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		601-048-00-0	205-923-4	218-01-9									
32		TPH (C6 to C40) petroleum group				80088	mg/kg		52057.2	mg/kg	5.206 %	✓	
				TPH									
33		confirm TPH has NOT arisen from diesel or petrol				☑							
										Total:	5.46 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 3000 mg/kg (0.3%) because: HP 3(i) "Flammable" is not considered to apply as this is a solid waste without a free draining liquid phase and low TPH concentration.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 5.206%)

Classification of sample: Drainage 2-1A-25/03/2025-0.00

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
Drainage 2-1A-25/03/2025-0.00
Sample Depth:
0.00 m
Moisture content:
32%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.116%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.116%)

Determinands

Moisture content: 32% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		6.4 mg/kg	1.197	5.21 mg/kg	0.000521 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8.1 mg/kg	1.32	7.272 mg/kg	0.000727 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.321 mg/kg	0.000132 %	✓	
4	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.4 mg/kg	3.22	<1.288 mg/kg	<0.000129 %		<**LOD**
5	cadmium { cadmium fluoride }	048-006-00-2	232-222-0	7790-79-6		0.39 mg/kg	1.338	0.355 mg/kg	0.0000355 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		30 mg/kg	1.462	29.816 mg/kg	0.00298 %	✓	
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<**LOD**

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
8		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		99	mg/kg	1.126	75.795	mg/kg	0.00758 %	✓	
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	60	mg/kg		40.8	mg/kg	0.00408 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05	mg/kg	1.353	0.046	mg/kg	0.0000046 %	✓	
11		nickel { nickel(II) carbonate }	028-010-00-0	222-068-2 [1] 240-408-8 [2] 265-748-4 [3] 235-715-9 [4]	3333-67-3 [1] 16337-84-1 [2] 65405-96-1 [3] 12607-70-4 [4]		19	mg/kg	2.022	26.13	mg/kg	0.00261 %	✓	
12		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		0.33	mg/kg	2.554	0.573	mg/kg	0.0000573 %	✓	
13		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		37	mg/kg	1.785	44.915	mg/kg	0.00449 %	✓	
14		zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		230	mg/kg	1.968	307.857	mg/kg	0.0308 %	✓	
15		acenaphthene		201-469-6	83-32-9		0.18	mg/kg		0.122	mg/kg	0.0000122 %	✓	
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.6	mg/kg		1.088	mg/kg	0.000109 %	✓	
17		fluoranthene		205-912-4	206-44-0		4.8	mg/kg		3.264	mg/kg	0.000326 %	✓	
18		fluorene		201-695-5	86-73-7		0.2	mg/kg		0.136	mg/kg	0.0000136 %	✓	
19		indeno[123-cd]pyrene		205-893-2	193-39-5		3.5	mg/kg		2.38	mg/kg	0.000238 %	✓	
20		phenanthrene		201-581-5	85-01-8		1.6	mg/kg		1.088	mg/kg	0.000109 %	✓	
21		pyrene		204-927-3	129-00-0		4.3	mg/kg		2.924	mg/kg	0.000292 %	✓	
22		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
23		acenaphthylene		205-917-1	208-96-8		0.1	mg/kg		0.068	mg/kg	0.0000068 %	✓	
24		anthracene		204-371-1	120-12-7		0.58	mg/kg		0.394	mg/kg	0.0000394 %	✓	
25		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		3	mg/kg		2.04	mg/kg	0.000204 %	✓	
26		benzo[ghi]perylene		205-883-8	191-24-2		3.3	mg/kg		2.244	mg/kg	0.000224 %	✓	
27		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		3.7	mg/kg		2.516	mg/kg	0.000252 %	✓	
28		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		5	mg/kg		3.4	mg/kg	0.00034 %	✓	
29		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		2.6	mg/kg		1.768	mg/kg	0.000177 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		3	mg/kg		2.04	mg/kg	0.000204 %	✓	
31		TPH (C6 to C40) petroleum group			TPH		1700	mg/kg		1156	mg/kg	0.116 %	✓	
32		confirm TPH has NOT arisen from diesel or petrol					☑							
											Total:	0.172 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 3000 mg/kg (0.3%) because: HP 3(i) "Flammable" is not considered to apply as this is a solid waste without a free draining liquid phase and low TPH concentration.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.116%)

Classification of sample: Drainage 3-25/03/2025-

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:
Drainage 3-25/03/2025-
Moisture content:
32%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.197%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.197%)

Determinands

Moisture content: 32% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		28 mg/kg	1.197	22.793 mg/kg	0.00228 %	✓	
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.7 mg/kg	1.32	4.22 mg/kg	0.000422 %	✓	
3	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
4	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.5 mg/kg	3.22	1.095 mg/kg	0.000109 %	✓	
5	cadmium { cadmium fluoride }	048-006-00-2	232-222-0	7790-79-6		0.47 mg/kg	1.338	0.428 mg/kg	0.0000428 %	✓	
6	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		46 mg/kg	1.462	45.717 mg/kg	0.00457 %	✓	
7	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		370 mg/kg	1.126	283.274 mg/kg	0.0283 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
9		lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	93	mg/kg		63.24	mg/kg	0.00632 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<**LOD**
11		nickel { nickel(II) carbonate }	028-010-00-0	222-068-2 [1] 240-408-8 [2] 265-748-4 [3] 235-715-9 [4]	3333-67-3 [1] 16337-84-1 [2] 65405-96-1 [3] 12607-70-4 [4]		29	mg/kg	2.022	39.882	mg/kg	0.00399 %	✓	
12		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.25	mg/kg	2.554	<0.638	mg/kg	<0.0000638 %		<**LOD**
13		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		15	mg/kg	1.785	18.209	mg/kg	0.00182 %	✓	
14		zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		810	mg/kg	1.968	1084.193	mg/kg	0.108 %	✓	
15		acenaphthene		201-469-6	83-32-9		1.2	mg/kg		0.816	mg/kg	0.0000816 %	✓	
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
17		fluoranthene		205-912-4	206-44-0		1.6	mg/kg		1.088	mg/kg	0.000109 %	✓	
18		fluorene		201-695-5	86-73-7		0.84	mg/kg		0.571	mg/kg	0.0000571 %	✓	
19		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
20		phenanthrene		201-581-5	85-01-8		1.2	mg/kg		0.816	mg/kg	0.0000816 %	✓	
21		pyrene		204-927-3	129-00-0		1.6	mg/kg		1.088	mg/kg	0.000109 %	✓	
22		naphthalene	601-052-00-2	202-049-5	91-20-3		22	mg/kg		14.96	mg/kg	0.0015 %	✓	
23		acenaphthylene		205-917-1	208-96-8		0.77	mg/kg		0.524	mg/kg	0.0000524 %	✓	
24		anthracene		204-371-1	120-12-7		0.33	mg/kg		0.224	mg/kg	0.0000224 %	✓	
25		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.83	mg/kg		0.564	mg/kg	0.0000564 %	✓	
26		benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
27		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.97	mg/kg		0.66	mg/kg	0.000066 %	✓	
28		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.3	mg/kg		0.884	mg/kg	0.0000884 %	✓	
29		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.59	mg/kg		0.401	mg/kg	0.0000401 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.9	mg/kg		0.612	mg/kg	0.0000612 %	✓	
31		TPH (C6 to C40) petroleum group			TPH		2900	mg/kg		1972	mg/kg	0.197 %	✓	
32		confirm TPH has NOT arisen from diesel or petrol					☑							
											Total:	0.356 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 3000 mg/kg (0.3%) because: HP 3(i) "Flammable" is not considered to apply as this is a solid waste without a free draining liquid phase and low TPH concentration.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.197%)

Classification of sample: Attenuation Pond-2A-08/04/2025-0.00

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:
Attenuation Pond-2A-08/04/2025-0.00
Sample Depth:
0.00 m
Moisture content:
39%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 39% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		7.6	pH		7.6	pH	7.6 pH		
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		<2	mg/kg	1.197	<2.394	mg/kg	<0.000239 %		<**LOD**
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.3	mg/kg	1.32	4.269	mg/kg	0.000427 %	✓	
4	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<**LOD**
5	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		2.5	mg/kg	3.22	4.91	mg/kg	0.000491 %	✓	
6	cadmium { cadmium fluoride }	048-006-00-2	232-222-0	7790-79-6		0.12	mg/kg	1.338	0.0979	mg/kg	0.00000979 %	✓	
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		13	mg/kg	1.462	11.59	mg/kg	0.00116 %	✓	
8	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<0.5	mg/kg	2.27	<1.135	mg/kg	<0.000113 %		<**LOD**
9	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20	mg/kg	1.126	13.736	mg/kg	0.00137 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex }	082-001-00-6			1	36	mg/kg		21.96	mg/kg	0.0022 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.07	mg/kg	1.353	0.0578	mg/kg	0.00000578 %	✓	
12	nickel { nickel(II) carbonate }	028-010-00-0	222-068-2 [1] 240-408-8 [2] 265-748-4 [3] 235-715-9 [4]	3333-67-3 [1] 16337-84-1 [2] 65405-96-1 [3] 12607-70-4 [4]		10	mg/kg	2.022	12.337	mg/kg	0.00123 %	✓	
13	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.25	mg/kg	2.554	<0.638	mg/kg	<0.0000638 %		<**LOD**

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		19	mg/kg	1.785	20.69	mg/kg	0.00207 %	✓	
15		zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		69	mg/kg	1.968	82.85	mg/kg	0.00828 %	✓	
16		acenaphthene		201-469-6	83-32-9		0.3	mg/kg		0.183	mg/kg	0.0000183 %	✓	
17		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.1	mg/kg		0.671	mg/kg	0.0000671 %	✓	
18		fluoranthene		205-912-4	206-44-0		6	mg/kg		3.66	mg/kg	0.000366 %	✓	
19		fluorene		201-695-5	86-73-7		0.24	mg/kg		0.146	mg/kg	0.0000146 %	✓	
20		indeno[123-cd]pyrene		205-893-2	193-39-5		6.1	mg/kg		3.721	mg/kg	0.000372 %	✓	
21		phenanthrene		201-581-5	85-01-8		2	mg/kg		1.22	mg/kg	0.000122 %	✓	
22		pyrene		204-927-3	129-00-0		5.4	mg/kg		3.294	mg/kg	0.000329 %	✓	
23		naphthalene	601-052-00-2	202-049-5	91-20-3		0.23	mg/kg		0.14	mg/kg	0.000014 %	✓	
24		acenaphthylene		205-917-1	208-96-8		0.49	mg/kg		0.299	mg/kg	0.0000299 %	✓	
25		anthracene		204-371-1	120-12-7		0.91	mg/kg		0.555	mg/kg	0.0000555 %	✓	
26		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		3.9	mg/kg		2.379	mg/kg	0.000238 %	✓	
27		benzo[ghi]perylene		205-883-8	191-24-2		6.3	mg/kg		3.843	mg/kg	0.000384 %	✓	
28		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		7.1	mg/kg		4.331	mg/kg	0.000433 %	✓	
29		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		10	mg/kg		6.1	mg/kg	0.00061 %	✓	
30		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.5	mg/kg		2.135	mg/kg	0.000213 %	✓	
31		chrysene	601-048-00-0	205-923-4	218-01-9		4.8	mg/kg		2.928	mg/kg	0.000293 %	✓	
32		TPH (C6 to C40) petroleum group			TPH		1000	mg/kg		610	mg/kg	0.061 %	✓	
33		confirm TPH has NOT arisen from diesel or petrol					☑							
											Total:	0.0818 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 3000 mg/kg (0.3%) because: HP 3(i) "Flammable" is not considered to apply as this is a solid waste without a free draining liquid phase and low TPH concentration.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.061%)

Appendix A: Classifier defined and non GB MCL determinands

- **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **lead compounds with the exception of those specified elsewhere in this Annex**

GB MCL index number: 082-001-00-6
Description/Comments: Least-worst case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers many simple lead compounds to be Carcinogenic category 2
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html. Review date 29/09/2015

- **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

- **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

- **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

- **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

- **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

TPH (C6 to C40) petroleum group (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

confirm TPH has NOT arisen from diesel or petrol

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

Appendix B: Rationale for selection of metal species

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include use in glass, ceramics, enamels and pigments, as a flame retardant synergist in combination with halogenated materials, the production of PET plastics and the vulcanisation of rubber.

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: forestry products, colourless glass, electronics and smelting; main precursor to other arsenic compounds.

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: used in high-performance semiconductor parts such as radio equipment and as a structural ceramic; most common (non alloy) form.

boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels, additive for fibre optics, borosilicate glass and the starting material for other boron compounds.

cadmium {cadmium fluoride}

Reasonable case CLP species based on hazard statements/molecular weight, low solubility and site history. Industrial sources include: use as an electrical conductor, in brake linings, enamel and glazing frits production, glass manufacturing and the production of welding agents.

chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Worst case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass.

chromium in chromium(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species based on hazard statements/molecular weight. Industrial uses include: metallurgy, dyes, pigments, wood preservatives, tanning, catalysts, as a refractory material and may be found in soil.

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints and fungicides. Worst case copper sulphate is very soluble and likely to have been leached away if ever present.

lead {lead compounds with the exception of those specified elsewhere in this Annex}

Most reasonable CLP species based on hazard statements/molecular weight, insolubility in water and site history. Industrial sources include: glass, ceramic glazes, adsorbents, catalysts, lubricants, corrosion inhibitors, vulcanization of rubber, pigments and paints, production of batteries and surface treatment. Lead chromate is unlikely to be present as hexavalent chromium is recorded below the method detection limit. Worst case lead compounds are unlikely to be present as lead smelting has not occurred onsite based on the known history.

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: a catalyst for the conversion of acetylene to vinyl chloride, the precursor to polyvinylchloride and to form amalgams with other metals.

nickel {nickel(II) carbonate}

Reasonable case CLP species based on hazard statements/molecular weight and low solubility. Industrial uses include: ceramic applications and as precursors to catalysts. Nickel chromate is unlikely to be present as hexavalent chromium is recorded below the method detection limit.

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight.

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case CLP species. Industrial uses include: detector material in thermal imaging and in batteries for energy storage.

zinc {trizinc bis(orthophosphate)}

Reasonable case CLP species based on hazard statements/molecular weight and very low solubility in water. Industrial uses include: corrosion resistant coating on metals, fillers, putties, plasters, modelling clay, coating products, adhesives and sealants, finger paints, metal surface treatment products, fertilisers, non-metal-surface treatment products, inks and toners. Worst case zinc chromate is unlikely to be present as hexavalent chromium is recorded below the method detection limit. Zinc sulphate and chloride are not expected as they are very soluble.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2025.127.6614.12023 (07 May 2025)
HazWasteOnline Database: 2025.127.6614.12023 (07 May 2025)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021
GB MCL List v2.0 - version 2.0 of 20th October 2023
GB MCL List v3.0 - version 3.0 of 11th January 2024
GB MCL List v4.0 - version 4.0 of 2nd March 2024
GB MCL List v5.0 - version 5.0 of 26th June 2024
GB MCL List v6.0 - version 6.0 of 15th February 2025