

[illegible]

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Lab Sample Number			2306594	2306595	2306596	2306597
Sample Reference			SW1	SW2	SW3	SW4
Sample Number			None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)			None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled			08/06/2022	08/06/2022	08/06/2022	08/06/2022
Analytical Parameter (Water Analysis)	Units	Limit of detection				
General Inorganics						
pH	pH Units	N/A	8.1	8.1	7.9	8
Electrical Conductivity at 20 °C	µS/cm	10	620	600	480	470
Total Cyanide (Low Level 1 µg/l)	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide (Low Level 1 µg/l)	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Sulphate as SO4	µg/l	45	91500	94600	47600	49700
Chloride	mg/l	0.15	61	60	48	48
Fluoride	µg/l	50	200	170	160	190
Ammoniacal Nitrogen as N	µg/l	15	54	61	110	87
Ammoniacal Nitrogen as NH3	µg/l	15	65	74	140	110
Ammoniacal Nitrogen as NH4	µg/l	15	69	78	150	110
Dissolved Organic Carbon (DOC)	mg/l	0.1	4.46	4.74	5.24	5.49
Nitrate as N	mg/l	0.01	3.68	3.69	2.85	2.63
Nitrate as NO3	mg/l	0.05	16.3	16.4	12.6	11.7
Nitrite as N	µg/l	1	42	57	54	76
Nitrite as NO2	µg/l	5	140	190	180	250
Hardness - Total	mgCaCO3/l	1	438	416	264	293
Bromate by IC	mg/l	0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total Phenols						
Total Phenols (monohydric)	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs						
Naphthalene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	µg/l	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.001	< 0.001	< 0.001	< 0.001	< 0.001
PAH Sums						
Sum of Benzo(b)fluoranthene & Benzo(k)fluoranthene	µg/l	0.02	< 0.020	< 0.020	< 0.020	< 0.020
Sum of Benzo(ghi)perylene & Indeno(1,2,3-cd)pyrene	µg/l	0.02	< 0.020	< 0.020	< 0.020	< 0.020
Sum of BbF, BkF, B(ghi)P & Ideno(1,2,3-cd)pyrene	µg/l	0.04	< 0.040	< 0.040	< 0.040	< 0.040
Total PAH						
Total EPA-16 PAHs	µg/l	0.16	< 0.16	< 0.16	< 0.16	< 0.16
Heavy Metals / Metalloids						
Boron (dissolved)	µg/l	10	120	110	86	88
Calcium (dissolved)	mg/l	0.012	160	160	96	110
Chromium (hexavalent)	µg/l	5	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	5	< 5.0	< 5.0	< 5.0	< 5.0
Iron (dissolved)	mg/l	0.004	0.19	0.1	0.098	0.03
Iron (dissolved)	µg/l	190	100	98	30	
Magnesium (dissolved)	mg/l	0.005	6.9	6.8	5.9	6
Sodium (dissolved)	mg/l	0.01	68	61	47	54
Aluminium (dissolved)	µg/l	1	6.3	6.7	3	4.1
Antimony (dissolved)	µg/l	0.4	1.6	1.9	2	1.9
Arsenic (dissolved)	µg/l	0.15	1.65	1.56	1.44	1.52
Barium (dissolved)	µg/l	0.06	38	37	27	27
Cadmium (dissolved)	µg/l	0.02	0.03	0.03	0.04	< 0.02
Chromium (dissolved)	µg/l	0.2	0.5	0.5	0.4	0.4
Cobalt (dissolved)	µg/l	0.2	0.2	0.2	< 0.2	< 0.2
Copper (dissolved)	µg/l	0.5	7.8	7.2	5.4	6.3
Lead (dissolved)	µg/l	0.2	< 0.2	0.2	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	4	2.2	0.92	1
Mercury (dissolved)	µg/l	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	3	3.1	2.8	2.4
Selenium (dissolved)	µg/l	0.6	0.7	0.8	< 0.6	< 0.6
Silver (dissolved)	µg/l	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Tin (dissolved)	µg/l	0.2	0.3	0.35	0.41	0.31
Vanadium (dissolved)	µg/l	0.2	2.6	2.4	2.2	2.3
Zinc (dissolved)	µg/l	0.5	6.9	12	7.8	7
Monoaromatics & Oxygenates						
Benzene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Sum of m, p & o-Xylene	µg/l	2	< 2.0	< 2.0	< 2.0	< 2.0
Petroleum Hydrocarbons						
TPH-CWG - Aliphatic >C5 - C6 HS_1D_AL	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8 HS_1D_AL	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10 HS_1D_AL	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12 EH_1D_AL_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16 EH_1D_AL_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21 EH_1D_AL_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35 EH_1D_AL_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44 EH_1D_AL_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C35 - C44 EH_1D_AL_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35) HS+EH_1D_AL_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
PH-CWG - Aliphatic (C5 - C44) HS+EH_1D_AR_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C5 - C7 HS_1D_AR	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8 HS_1D_AR	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10 HS_1D_AR	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12 EH_1D_AR_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16 EH_1D_AR_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21 EH_1D_AR_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35 EH_1D_AR_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C35 - C44 EH_1D_AR_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
PH-CWG - Aromatic (C5 - C35) HS+EH_1D_AR_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
PH-CWG - Aromatic (C5 - C44) HS+EH_1D_AR_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
TPH-CWG Total C5 - C44 EH+HS_1D_TOTAL_#1_#2_MS	µg/l	10	< 10	< 10	< 10	< 10
VOCs						
Chloromethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	<			