

Sample ID		MB.22	MB23	MB24	MB25	MB26	MB27	MB28	MB29	MB30	MB31	MB32	MB33	MB34	MB35	MB36	MB37	MB38	MB39	MB40	MB41
Sample Type (Soil or water)	Units	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Date sampled		11/06/2020	25/06/2020	23/07/2020	10/08/2020	20/08/2020	04/09/2020	16/09/2020	23/09/2020	01/10/2020	15/10/2020	25/11/2020	15/09/2021	22/10/2021	10/11/2021	26/11/2021	10/12/2021	21/12/2021	12/01/2022	26/01/2022	09/02/2022
Lab Report Ref No.		20-13920	20-16286	20-21026	20-23758	20-25766	20-28027	20-30209	20-31429	20-33157	20-35658	20-43722	21-10039	21-18170	21-22219	21-25971	21-28597	21-30648	22-32603	22-35849-2A	22-39008
Total Cyanide (Low Level 1 µg/l)	µg/l	12	47	11	96	6.8	8.1	3.7	< 1.0	1.5	4.6	4.4	73	93	4.9	11	< 1.0	< 1.0	2.9	< 1.0	1.6
Free Cyanide (Low Level 1 µg/l)	µg/l	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1	1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sulphate as SO4	mg/l	90	137	104	132	102	104	112	95.5	84300	118	131	171	138	99.9	135	134	102	130	142	127
Sulphide	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	U/S*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ammonia as NH3	µg/l	8600	8800	4300	7400	5500	14000	16000	17000	7800	10000	12000	3200	3800	24000	16000	2700	8500	7100	12000	17000
Total Suspended Solids	µg/l																			170	83
Total Phenols (monohydric)	µg/l	< 10	< 10	< 10	14	< 10	< 10	< 10	< 10	< 10	13	< 10	< 10	< 10	39	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	9.23	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.28	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.48	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.39	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.62	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 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	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 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	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total EPA-16 PAHs	µg/l	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	11	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Arsenic (dissolved)	µg/l	1.78	2.99	2.16	2.7	2.53	1.73	2.98	3.28	2.57	2.46	2.57	4.57	3.04	1.7	2.93	3.15	2.39	2.23	1.72	3.25
Cadmium (dissolved)	µg/l	< 0.02	< 0.02	0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	< 0.02	< 0.02	0.02	< 0.02	0.02	0.03	< 0.02
Chromium (hexavalent)	µg/l	< 5.0	< 5.0	< 5.0	< 5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	< 1.0	<1.0	7	< 1.0	< 1.0	< 1.0	3.2	3.4	2.4	2.9	2.6	2.9	2.8	2.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chromium (dissolved)	µg/l	< 0.2	0.6	7	< 0.2	0.3	0.7	3.2	3.4	2.4	2.9	2.6	2.9	2.8	2.1	2.9	2.2	2.6	2.2	3.3	2.4
Copper (dissolved)	µg/l	7.2	13	3.5	3.8	5.6	1.1	6.2	29	5.9	6.2	4.9	4.9	8.4	6.6	2.5	5	6.9	7.7	6.1	6
Lead (dissolved)	µg/l	1.5	1	0.5	0.4	0.5	0.4	0.6	1.1	0.8	0.8	0.7	0.6	0.4	0.9	0.9	0.6	0.4	< 0.2	0.7	0.4
Mercury (dissolved)	µg/l	< 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	0.06	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	1.8	3.4	1.6	2.3	1.6	2.1	3.9	4	2.6	3.4	3	4.2	3.8	3	4	3.7	3.6	4.9	5.4	3.7
Selenium (dissolved)	µg/l	1.1	1.5	1.1	1.1	1.6	1.5	1.3	3	1.4	1.7	1.5	1.9	2	0.9	1	1.7	1	1.4	1	1.4
Zinc (dissolved)	µg/l	34	26	4.9	8.4	20	4.8	10	20	22	10	12	13	18	8.4	9.1	24	8.5	16	5.8	15
Monoaromatics & Oxygenates		0	0	0	0	0	0	0	0	0											
Benzene	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons																					
TPH-CWG - Aliphatic >C5 - C6	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	< 10	< 10	< 10	<																

Sample ID	Units	MB42
Sample Type (Soil or water)		Water
Date sampled		23/02/2022
Lab Report Ref No.		22-42060
Total Cyanide (Low Level 1 µg/l)	µg/l	10
Free Cyanide (Low Level 1 µg/l)	µg/l	< 1.0
Sulphate as SO4	mg/l	262
Sulphide	µg/l	< 5.0
Ammonia as NH3	µg/l	2100
Total Suspended Solids	µg/l	110
Total Phenols (monohydric)	µg/l	< 10
Naphthalene	µg/l	< 0.01
Acenaphthylene	µg/l	< 0.01
Acenaphthene	µg/l	< 0.01
Fluorene	µg/l	< 0.01
Phenanthrene	µg/l	< 0.01
Anthracene	µg/l	< 0.01
Fluoranthene	µg/l	< 0.01
Pyrene	µg/l	< 0.01
Benzo(a)anthracene	µg/l	< 0.01
Chrysene	µg/l	< 0.01
Benzo(b)fluoranthene	µg/l	< 0.01
Benzo(k)fluoranthene	µg/l	< 0.01
Benzo(a)pyrene	µg/l	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	< 0.01
Dibenz(a,h)anthracene	µg/l	< 0.01
Benzo(ghi)perylene	µg/l	< 0.01
Total EPA-16 PAHs	µg/l	< 0.16
Arsenic (dissolved)	µg/l	1.55
Cadmium (dissolved)	µg/l	< 0.02
Chromium (hexavalent)	µg/l	< 5.0
Chromium (III)	µg/l	< 5.0
Chromium (dissolved)	µg/l	2.5
Copper (dissolved)	µg/l	5.9
Lead (dissolved)	µg/l	0.4
Mercury (dissolved)	µg/l	< 0.05
Nickel (dissolved)	µg/l	4.7
Selenium (dissolved)	µg/l	1.5
Zinc (dissolved)	µg/l	16
Monoaromatics & Oxygenates		
Benzene	µg/l	< 1.0
Toluene	µg/l	< 1.0
Ethylbenzene	µg/l	< 1.0
p & m-xylene	µg/l	< 1.0
o-xylene	µg/l	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	< 1.0
Petroleum Hydrocarbons		
TPH-CWG - Aliphatic >C5 - C6	µg/l	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	< 10
TPH-CWG - Aromatic >C5 - C7	µg/l	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	< 10