

APPENDIX K

Construction Monitoring Plan and Data

1. Ramboll Monitoring Data

			Baseline			Construction	Piling				Construction									
RAMBOLL			Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 4	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9	Round 10	Round 11
Groundwater Analytical Results Summary 1700000013 Southall Western Access																				
			BH1	BH1	BH1	BH1	BH1	BH1	BH1	BH1	BH1	BH1	BH1	BH1R	BH1R	BH1R	BH1R	BH1R	BH1R	BH1R
Test	Test Method	Units	04/05/2017	30/05/2017	29/06/2017	05/09/2017	13/09/2017	20/09/2017	27/09/2017	04/10/2017	07/11/2017	10/01/2018	NS	16/05/2018	17/07/2018	08/08/2018	11/09/2018	08/11/2018	15/01/2019	18/03/2019
pH units w	WSLM3	mg/l	7.1	7	7.31	7	7	7	7.1	7	7.1	7	NS	7.2	7	7.5	7.4	7.2	9.6	7.8
Inorganics																				
Total Sulphur as SO4 (Dissolved)	ICPWATVAR	mg/l	331	65	223	173	175	175	155	166	159	213	NS	264	408	392	541	93	849	721
Nickel as Ni (Dissolved)	ICPMSW	mg/l	0.01	0.01	0.013	0.012	0.012	0.011	0.009	0.01	0.011	0.017	NS	0.011	0.012	0.013	0.01	0.007	0.007	0.006
Chromium as Cr (Dissolved)	ICPMSW	mg/l	<0.001	0.002	0.013	0.028	0.017	0.008	<0.001	<0.001	0.004	0.015	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium as Cd (Dissolved)	ICPMSW	mg/l	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0003	NS	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.001
Copper as Cu (Dissolved)	ICPMSW	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.012	NS	<0.001	0.001	0.002	0.001	0.001	0.002	0.003
Lead as Pb (Dissolved)	ICPMSW	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001
Zinc as Zn (Dissolved)	ICPMSW	mg/l	0.004	0.005	0.008	0.005	0.011	<0.002	0.008	0.004	0.005	0.028	NS	0.003	0.004	0.005	0.005	0.002	0.008	0.003
Manganese as Mn (Dissolved)	ICPMSW	mg/l	3.976	2.197	2.082	3.488	3.358	3.51	3.891	3.627	3.38	0.934	NS	2.076	2.985	5.522	2.954	3.556	1.984	0.606
Ferrous Iron as Fe(2+)	KONEFE	mg/l	1.93	19.2	34.6	29.9	27.7	21.5	3.75	17.9	55.7	0.6	NS	28.3	10.6	46.9	5.69	3.22	0.57	0.41
Iron as Fe:(Total)	KONEFE	mg/l	4.8	20.3	34.6	30.4	27.8	21.9	4.08	18.1	56.1	1.99	NS	32.7	11.2	48.6	5.89	4.15	0.59	0.51
Arsenic as As (Dissolved)	ICPMSW	mg/l	0.004	0.005	0.008	0.006	0.005	0.008	0.004	0.002	0.005	0.003	NS	0.004	0.005	0.004	0.005	0.002	0.003	0.001
Mercury as Hg (Dissolved)	ICPMSW	mg/l	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	NS	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Selenium as Se (Dissolved)	ICPMSW	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	NS	<0.001	<0.001	<0.001	0.002	0.002	<0.001	<0.01
Ammoniacal Nitrogen as N	KONENS	mg/l	11.1	15.7	18.1	12.6	11.2	13	12.8	11.4	10.1	19.3	NS	6.8	8.5	5.5	9.2	8.4	7.8	7.2
Nitrite as N	KONENS	mg/l	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	NS	0.01	<0.2	<0.01	<0.01	<0.01	<0.01	0.07
Nitrate as N	KONENS	mg/l	<0.2	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	4	NS	<0.2	<0.01	<0.2	<0.2	2.2	<0.2	<0.2
Cyanide (Total) as CN	SFAPI	mg/l	<0.02	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS	0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02
Sulphide as S	SFAS	mg/l	<0.02	0.09	0.25	4.82	0.27	0.06	<0.02	<0.02	0.13	<0.02	NS	0.14	0.04	0.2	0.02	0.55	<0.02	<0.02
Organics																				
Azobenzene	SVOCSW	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS	< 0.050	< 0.050	< 0.100	< 0.050	< 0.200	< 0.200	< 0.200
Carbon Disulphide	VOCHSAW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichloromethane	VOCHSAW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbazole	SVOCSW	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS	< 0.050	< 0.050	< 0.100	< 0.050	< 0.200	< 0.200	< 0.200
PAHs																				
Napthalene	PAH_MS-SIM	ug/l	0.031	0.024	0.055	0.028	0.033	0.101	<0.020	<0.020	<0.020	<0.020	NS	< 0.04	0.11	0.1	0.09	0.02	0.03	0.02
Acenaphthylene	PAH_MS-SIM	ug/l	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NS	< 0.02	0.01	< 0.01	0.01	< 0.01	0.02	0.01
Acenaphthene	PAH_MS-SIM	ug/l	0.051	0.033	0.057	0.019	0.016	0.011	<0.010	0.011	<0.010	0.01	NS	< 0.02	0.12	0.15	0.03	0.02	0.07	0.07
Fluorene	PAH_MS-SIM	ug/l	0.016	<0.010	0.016	0.014	0.019	<0.010	<0.010	<0.010	<0.010	<0.010	NS	< 0.02	0.08	0.09	0.07	< 0.01	0.05	0.03
Phenanthrene	PAH_MS-SIM	ug/l	0.043	0.016	0.026	0.03	0.032	0.015	0.01	0.012	0.018	<0.010	NS	< 0.02	0.16	0.08	0.03	< 0.01	0.22	0.06
Anthracene	PAH_MS-SIM	ug/l	0.011	<0.010	<0.010	<0.010	0.01	<0.010	<0.010	<0.010	<0.010	<0.010	NS	< 0.02	0.04	0.04	0.03	< 0.01	0.07	0.03
Fluoranthene	PAH_MS-SIM	ug/l	0.022	0.011	0.018	0.023	0.028	0.019	0.012	0.01	0.019	<0.010	NS	< 0.02	0.11	0.13	0.09	0.02	0.13	0.1
Pyrene	PAH_MS-SIM	ug/l	0.023	0.011	0.015	0.021	0.03	0.019	0.016	0.013	0.02	<0.010	NS	< 0.02	0.08	0.09	0.06	< 0.01	0.1	0.08
Benzo[a]anthracene	PAH_MS-SIM	ug/l	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NS	< 0.02	0.02	0.02	0.03	< 0.01	0.03	0.02
Chrysene	PAH_MS-SIM	ug/l	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NS	< 0.02	0.01	0.02	0.02	< 0.01	0.02	0.02
Benzo[b]fluoranthene	PAH_MS-SIM	ug/l	<0.010	<0.010	<0.010															

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Groundwater Analytical Results Summary 1700000013 Southall Western Access																					
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Test	Test Method	Units	04/05/2017	30/05/2017	29/06/2017	05/09/2017	13/09/2017	20/09/2017	27/09/2017	04/10/2017	07/11/2017	10/01/2018	NS	16/05/2018	17/07/2018	08/08/2018	11/09/2018	08/11/2018	15/01/2019	18/03/2019	
SVOCs																					
Phenol	SVOCSW	mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	< 0.020	< 0.020	< 0.040	< 0.020	< 0.080	< 0.020	< 0.020	
bis(2-Chloroethyl)ether	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
2-Chlorophenol	SVOCSW	mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	< 0.020	< 0.020	< 0.040	< 0.020	< 0.080	< 0.020	< 0.020	
1,3-Dichlorobenzene	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
1,4-Dichlorobenzene	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
Benzyl alcohol	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
1,2-Dichlorobenzene	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
2-Methylphenol	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
bis(2-Chloroisopropyl)ether	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
Hexachloroethane	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
N-Nitroso-di-n-propylamine	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
3- & 4-Methylphenol	SVOCSW	mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	< 0.020	< 0.020	< 0.040	< 0.020	< 0.080	< 0.020	< 0.020	
Nitrobenzene	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
Isophorone	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
2-Nitrophenol	SVOCSW	mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	< 0.020	< 0.020	< 0.040	< 0.020	< 0.080	< 0.020	< 0.020	
2,4-Dimethylphenol	SVOCSW	mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	< 0.020	< 0.020	< 0.040	< 0.020	< 0.080	< 0.020	< 0.020	
Benzoic Acid	SVOCSW	mg/l	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NS	< 0.100	< 0.100	< 0.200	< 0.100	< 0.400	< 0.100	< 0.100	
bis(2-Chloroethoxy)methane	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
2,4-Dichlorophenol	SVOCSW	mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	< 0.020	< 0.020	< 0.040	< 0.020	< 0.080	< 0.020	< 0.020	
1,2,4-Trichlorobenzene	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
Naphthalene	SVOCSW	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	< 0.002	< 0.002	< 0.004	< 0.002	< 0.008	< 0.002	< 0.002	
4-Chlorophenol	SVOCSW	mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	< 0.020	< 0.020	< 0.040	< 0.020	< 0.080	< 0.020	< 0.020	
4-Chloroaniline	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
Hexachlorobutadiene	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
4-Chloro-3-methylphenol	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
2-Methylnaphthalene	SVOCSW	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	< 0.002	< 0.002	< 0.004	< 0.002	< 0.008	< 0.002	< 0.002	
1-Methylnaphthalene	SVOCSW	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	< 0.002	< 0.002	< 0.004	< 0.002	< 0.008	< 0.002	< 0.002	
Hexachlorocyclopentadiene	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
2,4,6-Trichlorophenol	SVOCSW	mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	< 0.020	< 0.020	< 0.040	< 0.020	< 0.080	< 0.020	< 0.020	
2,4,5-Trichlorophenol	SVOCSW	mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	< 0.020	< 0.020	< 0.040	< 0.020	< 0.080	< 0.020	< 0.020	
2-Chloronaphthalene	SVOCSW	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	< 0.002	< 0.002	< 0.004	< 0.002	< 0.008	< 0.002	< 0.002	
Biphenyl	SVOCSW	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	< 0.002	< 0.002	< 0.004	< 0.002	< 0.008	< 0.002	< 0.002	
Diphenyl ether	SVOCSW	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	< 0.002	< 0.002	< 0.004	< 0.002	< 0.008	< 0.002	< 0.002	
2-Nitroaniline	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
Acenaphthylene	SVOCSW	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	< 0.002	< 0.002	< 0.004	< 0.002	< 0.008	< 0.002	< 0.002	
Dimethylphthalate	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
2,6-Dinitrotoluene	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
Acenaphthene	SVOCSW	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	< 0.002	< 0.002	< 0.004	< 0.002	< 0.008	< 0.002	< 0.002	
3-Nitroaniline	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
2,4-Dinitrophenol	SVOCSW	mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NS	< 0.010	< 0.010	< 0.020	< 0.010	< 0.040	< 0.010	< 0.010	
Dibenzofuran	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
4-Nitrophenol	SVOCSW	mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NS	< 0.050	< 0.050	< 0.100	< 0.050	< 0.200	< 0.050	< 0.050	
2,4-Dinitrotoluene	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
Fluorene	SVOCSW	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	< 0.002	< 0.002	< 0.004	< 0.002	< 0.008	< 0.002	< 0.002	
Diethylphthalate	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
4-Chlorophenyl-phenylether	SVOCSW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	< 0.005	< 0.005	< 0.010	< 0.005	< 0.020	< 0.005	< 0.005	
4,6-Dinitro-2-methylphenol	SVOCSW	mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NS	< 0.050	< 0.050	< 0.100	< 0.0				

Construction			Construction				Construction				Construction				Construction					
Ramboll			Round 12	Round 13	Round 14	Round 15	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 4	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7
Groundwater Analytical Results Summary 1700000013 Southall Western Access																				
			BH1R	BH1R	BH1R	BH1R	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2
Test	Test Method	Units	13/05/2019	10/07/2019	10/09/2019	04/11/2019	04/05/2017	30/05/2017	29/06/2017	05/09/2017	14/09/2017	20/09/2017	27/09/2017	04/10/2017	NS	10/01/2018	27/03/2018	15/05/2018	17/07/2018	08/08/2018
pH units w	WSLM3	mg/l	7.3	7.3	6.7	6.8	7.7	7.3	7.47	7.1	7.2	7.3	7.3	7.3	NS	7.3	7.1	7.1	7.4	7.6
Inorganics																				
Total Sulphur as SO4 (Dissolved)	ICPWATVAR	mg/l	642	769	409	497	817	64	1040	1060	1120	1170	1130	806	NS	516	1130	646	1530	1420
Nickel as Ni (Dissolved)	ICPMSW	mg/l	0.006	0.007	0.007	0.008	0.008	0.013	0.01	0.008	0.007	0.008	0.006	0.008	NS	0.007	0.015	0.021	0.009	0.01
Chromium as Cr (Dissolved)	ICPMSW	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.012	0.008	0.003	<0.001	<0.001	NS	0.003	<0.001	<0.001	<0.001	<0.001
Cadmium as Cd (Dissolved)	ICPMSW	mg/l	<0.0001	<0.0001	<0.0001	0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	NS	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper as Cu (Dissolved)	ICPMSW	mg/l	<0.001	<0.001	<0.001	0.002	<0.001	0.002	<0.001	0.002	<0.001	0.002	<0.001	0.003	NS	0.003	<0.001	0.002	<0.001	<0.001
Lead as Pb (Dissolved)	ICPMSW	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc as Zn (Dissolved)	ICPMSW	mg/l	0.011	0.004	0.011	0.005	<0.002	0.006	0.003	0.007	<0.002	<0.002	0.005	0.012	NS	0.004	0.005	0.004	0.005	0.004
Manganese as Mn (Dissolved)	ICPMSW	mg/l	4.082	3.337	9.785	7.412	0.026	0.353	0.664	0.865	0.768	0.853	0.659	0.333	NS	0.96	0.52	0.847	1.547	1.874
Ferrous Iron as Fe(2+)	KONEFE	mg/l	4.89	4.18	14.3	38.8	0.12	0.51	0.52	0.27	0.26	0.38	<0.01	0.05	NS	0.36	0.36	0.64	1.23	0.7
Iron as Fe:(Total)	KONEFE	mg/l	5.19	4.34	14.5	40	0.39	1.74	0.88	0.39	0.41	1.65	<0.01	0.41	NS	1.4	0.9	1.85	1.39	1.92
Arsenic as As (Dissolved)	ICPMSW	mg/l	0.002	0.003	0.002	0.002	0.001	0.002	0.002	0.002	<0.001	0.002	<0.001	<0.001	NS	0.001	0.002	0.001	0.002	0.002
Mercury as Hg (Dissolved)	ICPMSW	mg/l	<0.0001	<0.0001	<0.0001	<0.00003	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	NS	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Selenium as Se (Dissolved)	ICPMSW	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	NS	<0.001	<0.001	<0.001	<0.001	<0.001
Ammoniacal Nitrogen as N	KONENS	mg/l	9.7	8.7	7.6	7.4	0.3	0.3	0.6	0.7	0.8	0.5	0.4	0.16	NS	0.4	0.5	0.3	1.1	1.2
Nitrite as N	KONENS	mg/l	<0.01	<0.01	<0.01	<0.01	0.28	<0.02	<0.01	<0.01	<0.01	0.09	0.19	0.15	NS	<0.01	<0.01	<0.01	<0.2	0.02
Nitrate as N	KONENS	mg/l	<0.2	<0.2	<0.2	<0.2	0.5	<0.01	<0.2	<0.2	<0.2	0.7	0.5	2	NS	0.6	<0.2	<0.2	<0.01	<0.2
Cyanide (Total) as CN	SFAPI	mg/l	<0.02	<0.02	<0.02	0.02	<0.02	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS	<0.02	<0.02	0.02	<0.02	<0.02
Sulphide as S	SFAS	mg/l	<0.02	<0.02	0.02	0.17	<0.02	<0.02	<0.02	5.04	<0.02	<0.02	<0.02	<0.02	NS	<0.02	<0.02	<0.02	<0.02	<0.02
Organics																				
Azobenzene	SVOCSW	mg/l	< 0.050	< 0.050	< 0.050	< 0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS	<0.05	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Disulphide	VOCHSAW	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	<0.005	<0.005	<0.005	<0.005
Dichloromethane	VOCHSAW	mg/l	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	<0.005	<0.005	<0.005	<0.005
Carbazole	SVOCSW	mg/l	< 0.050	< 0.050	< 0.050	< 0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS	<0.05	< 0.050	< 0.050	< 0.050	< 0.050
PAHs																				
Napthalene	PAH_MS-SIM	ug/l	0.02	0.01	0.02	0.02	<0.020	<0.020	<0.020	0.022	0.028	0.058	<0.020	<0.020	NS	<0.020	< 0.02	< 0.02	< 0.01	< 0.01
Acenaphthylene	PAH_MS-SIM	ug/l	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NS	<0.010	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	PAH_MS-SIM	ug/l	0.02	0.02	0.03	0.03	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NS	<0.010	0.01	< 0.01	< 0.01	< 0.01
Fluorene	PAH_MS-SIM	ug/l	0.01	0.02	0.01	0.06	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NS	<0.010	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	PAH_MS-SIM	ug/l	0.02	0.02	< 0.01	0.01	<0.010	0.012	0.012	<0.010	<0.010	<0.010	<0.010	<0.010	NS	0.022	< 0.01	< 0.01	0.02	< 0.01
Anthracene	PAH_MS-SIM	ug/l	0.03	0.04	< 0.01	0.01	<0.010	<0.010	0.014	<0.010	<0.010	<0.010	<0.010	<0.010	NS	<0.010	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	PAH_MS-SIM	ug/l	0.08	0.09	0.03	0.04	<0.010	0.025	0.019	0.011	0.011	<0.010	<0.010	<0.010	NS	0.024	< 0.01	< 0.01	0.03	< 0.01
Pyrene	PAH_MS-SIM	ug/l	0.05	0.06	0.03	0.04	<0.010	0.022	0.017	0.021	0.015	<0.010	<0.010	0.013	NS	0.021	< 0.01	< 0.01	0.03	< 0.01
Benzo[a]anthracene	PAH_MS-SIM	ug/l	0.02	0.02	< 0.01	0.01	<0.010	<0.010	0.016	0.016	<0.010	<0.010	<0.010	<0.010	NS	<0.010	< 0.01	< 0.01	0.02	< 0.01
Chrysene	PAH_MS-SIM	ug/l	0.01	0.02	0.01	<0.01	<0.010	<0.010	<0.											

			Construction				Baseline			Construction	Piling				Construction					
			Round 12	Round 13	Round 14	Round 15	Round 1	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 4	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7
Groundwater Analytical Results Summary 1700000013 Southall Western Access																				
			BH1R	BH1R	BH1R	BH1R	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	
Test	Test Method	Units	13/05/2019	10/07/2019	10/09/2019	04/11/2019	04/05/2017	30/05/2017	29/06/2017	05/09/2017	14/09/2017	20/09/2017	27/09/2017	04/10/2017	NS	10/01/2018	27/03/2018	15/05/2018	17/07/2018	08/08/2018
SVOCs																				
Phenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	<0.020	< 0.020	< 0.020	< 0.020	< 0.020
bis(2-Chloroethyl)ether	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Chlorophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	<0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichlorobenzene	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,4-Dichlorobenzene	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
Benzyl alcohol	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
1,2-Dichlorobenzene	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylphenol	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
bis(2-Chloroisopropyl)ether	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hexachloroethane	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
N-Nitroso-di-n-propylamine	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
3- & 4-Methylphenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	<0.020	< 0.020	< 0.020	< 0.020	< 0.020
Nitrobenzene	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isophorone	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Nitrophenol	SVOCSW	mg/l	< 0.020	< 0.005	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	<0.020	< 0.020	< 0.020	< 0.020	< 0.020
2,4-Dimethylphenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	<0.020	< 0.020	< 0.020	< 0.020	< 0.020
Benzoic Acid	SVOCSW	mg/l	< 0.100	< 0.100	< 0.100	< 0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NS	<0.100	< 0.100	< 0.100	< 0.100	< 0.100
bis(2-Chloroethoxy)methane	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
2,4-Dichlorophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	<0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,2,4-Trichlorobenzene	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
Naphthalene	SVOCSW	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	< 0.002	< 0.002	< 0.002	< 0.002
4-Chlorophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	<0.020	< 0.020	< 0.020	< 0.020	< 0.020
4-Chloroaniline	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hexachlorobutadiene	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
4-Chloro-3-methylphenol	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylnaphthalene	SVOCSW	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	< 0.002	< 0.002	< 0.002	< 0.002
1-Methylnaphthalene	SVOCSW	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	< 0.002	< 0.002	< 0.002	< 0.002
Hexachlorocyclopentadiene	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
2,4,6-Trichlorophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	<0.020	< 0.020	< 0.020	< 0.020	< 0.020
2,4,5-Trichlorophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NS	<0.020	< 0.020	< 0.020	< 0.020	< 0.020
2-Chloronaphthalene	SVOCSW	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	< 0.002	< 0.002	< 0.002	< 0.002
Biphenyl	SVOCSW	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	< 0.002	< 0.002	< 0.002	< 0.002
Diphenyl ether	SVOCSW	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	< 0.002	< 0.002	< 0.002	< 0.002
2-Nitroaniline	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
Acenaphthylene	SVOCSW	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	< 0.002	< 0.002	< 0.002	< 0.002
Dimethylphthalate	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
2,6-Dinitrotoluene	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
Acenaphthene	SVOCSW	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	< 0.002	< 0.002	< 0.002	< 0.002
3-Nitroaniline	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
2,4-Dinitrophenol	SVOCSW	mg/l	< 0.010	< 0.010	< 0.010	< 0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NS	<0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dibenzofuran	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
4-Nitrophenol	SVOCSW	mg/l	< 0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NS	<0.050	< 0.050	< 0.050	< 0.050	< 0.050
2,4-Dinitrotoluene	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
Fluorene	SVOCSW	mg/l	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	NS	<0.002	< 0.002	< 0.002	< 0.002	< 0.002
Diethylphthalate	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
4-Chlorophenyl-phenylether	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	< 0.005	< 0.005	< 0.005	< 0.005
4,6-Dinitro-2-methylphenol	SVOCSW	mg/l	< 0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050									

			Construction								Baseline			Construction	Piling				Construction	
RAMBOLL			Round 8	Round 9	Round 10	Round 11	Round 12	Round 13	Round 14	Round 15	Round 2	Round 3	Round 1	Round 1	Round 2	Round 3	Round 4	Round 2	Round 3	
Groundwater Analytical Results Summary 1700000013 Southall Western Access																				
			BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH3	BH3	BH3	BH3	BH3	BH3	BH3	BH3	BH3	
Test	Test Method	Units	11/09/2018	08/11/2018	15/01/2019	18/03/2019	13/05/2019	10/07/2019	10/09/2019	04/11/2019	04/05/2017	30/05/2017	29/06/2017	06/09/2017	14/09/2017	20/09/2017	28/09/2017	04/10/2017	07/11/2017	11/01/2018
pH units w	WSLM3	mg/l	7.6	6.9	6.8	7.2	7	7.1	7.1	7	7.6	7	7.33	7.2	7.3	7.5	7.4	7.4	7.4	7.2
Inorganics																				
Total Sulphur as SO4 (Dissolved)	ICPWATVAR	mg/l	1320	93	402	446	452	483	693	609	1070	314	1020	1510	1550	1500	1540	1440	1630	1170
Nickel as Ni (Dissolved)	ICPMSW	mg/l	0.008	0.014	0.018	0.012	0.014	0.019	0.013	0.013	0.007	0.01	0.008	0.009	0.006	0.008	0.006	0.006	0.007	0.013
Chromium as Cr (Dissolved)	ICPMSW	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	0.001	<0.001	0.01	0.006	0.002	<0.001	<0.001	0.002	0.006
Cadmium as Cd (Dissolved)	ICPMSW	mg/l	<0.0001	0.0009	0.0001	<0.0001	0.0002	0.0005	<0.0001	<0.00002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Copper as Cu (Dissolved)	ICPMSW	mg/l	<0.001	0.023	0.011	0.001	0.006	0.003	<0.001	0.005	<0.001	0.002	<0.001	0.002	0.001	0.002	<0.001	<0.001	0.002	0.002
Lead as Pb (Dissolved)	ICPMSW	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc as Zn (Dissolved)	ICPMSW	mg/l	0.005	<0.002	0.002	0.003	0.007	0.006	0.005	0.004	<0.002	0.006	<0.002	0.007	0.004	0.009	0.006	0.003	0.005	0.003
Manganese as Mn (Dissolved)	ICPMSW	mg/l	1.307	1.039	2.157	2.216	2.739	2.655	2.68	2.405	0.016	0.736	0.932	0.623	0.542	0.607	0.613	0.585	0.71	0.553
Ferrous Iron as Fe(2+)	KONEFE	mg/l	0.95	0.35	7.63	9.01	10.3	4.82	12.5	9.97	0.52	0.78	0.3	0.64	0.79	0.68	<0.01	0.36	0.62	0.5
Iron as Fe:(Total)	KONEFE	mg/l	1.79	0.34	8.05	9.15	10.7	5.93	12.4	10.9	2.79	2.56	0.8	1.69	1.97	1.73	<0.01	1.23	0.76	0.65
Arsenic as As (Dissolved)	ICPMSW	mg/l	0.001	0.003	0.007	0.003	0.002	0.004	0.002	0.002	<0.001	0.001	0.001	0.002	0.003	0.004	0.002	0.002	0.003	0.003
Mercury as Hg (Dissolved)	ICPMSW	mg/l	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0003	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Selenium as Se (Dissolved)	ICPMSW	mg/l	<0.001	0.009	<0.001	<0.001	0.001	<0.001	<0.001	<0.0001	0.006	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ammoniacal Nitrogen as N	KONENS	mg/l	1	1.8	5.4	4.4	4	3.2	3.5	3.2	0.7	0.6	0.7	0.7	1.2	1	1.1	0.9	1.2	0.7
Nitrite as N	KONENS	mg/l	0.07	0.07	<0.2	0.07	0.05	<0.01	<0.01	<0.01	0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01
Nitrate as N	KONENS	mg/l	<0.2	<0.2	<0.01	0.07	3.5	0.2	<0.2	<0.2	0.5	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
Cyanide (Total) as CN	SFAPI	mg/l	0.04	<0.02	<0.02	< 0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03
Sulphide as S	SFAS	mg/l	<0.02	0.11	0.02	< 0.01	0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	2.72	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Organics																				
Azobenzene	SVOC	mg/l	< 0.050	< 0.050	< 0.200	< 0.200	< 0.050	< 0.050	< 0.050	< 0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Disulphide	VOCH	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichloromethane	VOCH	mg/l	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbazole	SVOC	mg/l	< 0.050	< 0.050	< 0.200	< 0.200	< 0.050	< 0.050	< 0.050	< 0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PAHs																				
Naphthalene	PAH_MS-SIM	ug/l	0.51	0.02	0.06	0.03	0.02	0.02	0.01	0.02	<0.020	<0.020	<0.020	0.024	<0.020	0.034	<0.020	<0.020	<0.020	<0.020
Acenaphthylene	PAH_MS-SIM	ug/l	0.01	< 0.01	0.01	0.02	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthene	PAH_MS-SIM	ug/l	0.07	0.01	0.02	0.02	0.02	0.02	0.03	0.02	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.013
Fluorene	PAH_MS-SIM	ug/l	0.09	< 0.01	0.02	0.03	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Phenanthrene	PAH_MS-SIM	ug/l	0.32	< 0.01	0.05	0.14	0.02	0.01	< 0.01	<0.01	0.022	<0.010	<0.010	0.019	0.013	0.012	<0.010	<0.010	0.019	<0.010
Anthracene	PAH_MS-SIM	ug/l	0.07	0.01	0.01	0.03	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluoranthene	PAH_MS-SIM	ug/l	0.18	< 0.01	0.03	0.09	0.04	< 0.01	< 0.01	<0.01	0.016	<0.010	<0.010	0.019	0.015	0.024	0.017	0.024	0.025	<0.010
Pyrene	PAH_MS-SIM	ug/l	0.19	< 0.01	0.03	0.12	0.04	< 0.01	< 0.01	<0.01	0.017	<0.010	<0.010	0.022	0.02	0.024	0.019	0.037	0.027	<0.010
Benzo[a]anthracene	PAH_MS-SIM	ug/l	0.04	< 0.01	< 0.01	0.04	0.03	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	0.018	<0.010	<0.010	0.018	<0.010	<0.010	<0.010
Chrysene	PAH_MS-SIM	ug/l	0.05	< 0.01	0.01	0.04	0.02	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.017	<0.010	<0.010	<0.010
Benzo[b]fluoranthene	PAH_MS-SIM	ug/l	0.02	< 0.01	< 0.01	0.02	0.02	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	0.012	0.014	0.014	<0.010	<0.010
Benzo[k]fluoranthene	PAH_MS-SIM	ug/l	0.01	< 0.01	< 0.01	<0.01	0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo[a]pyrene	PAH_MS-SIM	ug/l	0.01	< 0.01	< 0.01	0.03	0.02	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno[1,2,3-cd]pyrene	PAH_MS-SIM	ug/l	0.01	< 0.01	< 0.01	0.01	0.02	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzo[a,h]anthracene	PAH_MS-SIM	ug/l	< 0.01	< 0.01	< 0.01	<0.01	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo[g,h,i]perylene	PAH_MS-SIM	ug/l	< 0.01	< 0.01	< 0.01	<0.01	0.02	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010
Total (USEPA16) PAHs	PAH_MS-SIM	ug/l	< 1.7	< 0.18	< 0.32	<0.67	< 0.32	< 0.18	< 0.18	<0.19	<0.195	<0.170	<0.170	<0.212	<0.188	<0.217	<0.205	<0.215	<0.211	<0.173
TPH																				
Benzene	BTEX	mg/l	<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
Toluene	BTEX	mg/l	<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
Ethyl benzene	BTEX	mg/l	<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
m/p-Xylene	BTEX	mg/l	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	BTEX	mg/l	<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
C5 - C6	GRO_HSA	mg/l	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>C6 - C7	GRO_HSA	mg/l	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>C7 - C8	GRO_HSA	mg/l	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
>C8 - C10	GRO_HSA	mg/l	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total GRO	GRO_HSA	mg/l	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aliphatics >C8 - C10	TPHSI_FID_0.0	mg/l	0.012	< 0.010	< 0.010	< 0.100	< 0.010	< 0.010	< 0.010	<										

			Construction								Baseline			Construction	Piling				Construction	
RAMBOLL			Round 8	Round 9	Round 10	Round 11	Round 12	Round 13	Round 14	Round 15	Round 2		Round 3	Round 1	Round 1	Round 2	Round 3	Round 4	Round 2	Round 3
Groundwater Analytical Results Summary 1700000013 Southall Western Access																				
			BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH2	BH3	BH3	BH3	BH3	BH3	BH3	BH3	BH3	BH3	BH3
Test	Test Method	Units	11/09/2018	08/11/2018	15/01/2019	18/03/2019	13/05/2019	10/07/2019	10/09/2019	04/11/2019	04/05/2017	30/05/2017	29/06/2017	06/09/2017	14/09/2017	20/09/2017	28/09/2017	04/10/2017	07/11/2017	11/01/2018
SVOCs																				
Phenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
bis(2-Chloroethyl)ether	SVOCSW	mg/l	< 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
2-Chlorophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
1,3-Dichlorobenzene	SVOCSW	mg/l	< 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
1,4-Dichlorobenzene	SVOCSW	mg/l	< 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
Benzyl alcohol	SVOCSW	mg/l	< 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
1,2-Dichlorobenzene	SVOCSW	mg/l	< 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
2-Methylphenol	SVOCSW	mg/l	< 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
bis(2-Chloroisopropyl)ether	SVOCSW	mg/l	< 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
Hexachloroethane	SVOCSW	mg/l	< 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
N-Nitroso-di-n-propylamine	SVOCSW	mg/l	< 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
3- & 4-Methylphenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Nitrobenzene	SVOCSW	mg/l	< 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
Isophorone	SVOCSW	mg/l	< 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
2-Nitrophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.005	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-Dimethylphenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Benzoic Acid	SVOCSW	mg/l	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
bis(2-Chloroethoxy)methane	SVOCSW	mg/l	< 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
2,4-Dichlorophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
1,2,4-Trichlorobenzene	SVOCSW	mg/l	< 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
Naphthalene	SVOCSW	mg/l	< 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
4-Chlorophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
4-Chloroaniline	SVOCSW	mg/l	< 0.005	< 0.005	0.061	< 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
Hexachlorobutadiene	SVOCSW	mg/l	< 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
4-Chloro-3-methylphenol	SVOCSW	mg/l	< 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
2-Methylnaphthalene	SVOCSW	mg/l	< 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
1-Methylnaphthalene	SVOCSW	mg/l	< 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
Hexachlorocyclopentadiene	SVOCSW	mg/l	< 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
2,4,6-Trichlorophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4,5-Trichlorophenol	SVOCSW	mg/l	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2-Chloronaphthalene	SVOCSW	mg/l	< 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
Biphenyl	SVOCSW	mg/l	< 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
Diphenyl ether	SVOCSW	mg/l	< 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
2-Nitroaniline	SVOCSW	mg/l	< 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
Acenaphthylene	SVOCSW	mg/l	< 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
Dimethylphthalate	SVOCSW	mg/l	< 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
2,6-Dinitrotoluene	SVOCSW	mg/l	< 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
Acenaphthene	SVOCSW	mg/l	< 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
3-Nitroaniline	SVOCSW	mg/l	< 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
2,4-Dinitrophenol	SVOCSW	mg/l	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	SVOCSW	mg/l	< 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
4-Nitrophenol	SVOCSW	mg/l	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrotoluene	SVOCSW	mg/l	< 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
Fluorene	SVOCSW	mg/l	< 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
Diethylphthalate	SVOCSW	mg/l	< 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
4-Chlorophenyl-phenylether	SVOCSW	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005							

			Construction											
RAMBOLL			Round 4	Round 5	Round 6	Round 7	Round 8	Round 9	Round 10	Round 11	Round 12	Round 13	Round 14	Round 15
Groundwater Analytical Results Summary 1700000013 Southall Western Access														
			BH3	BH3R	BH3R	BH3R	BH3R	BH3R	BH3R	BH3R	BH3R	BH3R	BH3R	BH3R
Test	Test Method	Units	NS	16/05/2018	17/07/2018	08/08/2018	11/09/2018	08/11/2018	15/01/2019	18/03/2019	13/05/2019	10/07/2019	10/09/2019	04/11/2019
pH units w	WSLM3	mg/l	NS	7.4	7	7.2	7	9.1	9.6	9.7	9.7	9.7	9.8	9.8
Inorganics														
Total Sulphur as SO4 (Dissolved)	ICPWATVAR	mg/l	NS	244	90	64	79	59	158	162	143	150	182	128
Nickel as Ni (Dissolved)	ICPMSW	mg/l	NS	0.167	0.091	0.069	0.096	0.48	0.517	0.442	0.341	0.347	0.254	0.32
Chromium as Cr (Dissolved)	ICPMSW	mg/l	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.01	<0.001	<0.001
Cadmium as Cd (Dissolved)	ICPMSW	mg/l	NS	0.0001	0.0001	<0.0001	0.0003	0.0001	<0.001	<0.001	0.0001	<0.001	<0.0001	<0.00002
Copper as Cu (Dissolved)	ICPMSW	mg/l	NS	0.021	0.002	<0.001	0.001	0.011	<0.01	<0.01	0.007	<0.01	0.003	0.005
Lead as Pb (Dissolved)	ICPMSW	mg/l	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.01	<0.001	<0.001
Zinc as Zn (Dissolved)	ICPMSW	mg/l	NS	0.002	0.003	0.002	0.005	<0.002	0.047	0.09	0.012	<0.02	0.006	0.009
Manganese as Mn (Dissolved)	ICPMSW	mg/l	NS	20.69	4.81	22.34	3.243	0.276	0.11	<0.02	0.048	0.061	0.085	0.056
Ferrous Iron as Fe(2+)	KONEFE	mg/l	NS	4.16	<0.01	8.02	<0.01	<0.01	<0.01	0.29	<0.01	0.5	0.21	0.33
Iron as Fe:(Total)	KONEFE	mg/l	NS	4.58	<0.01	10	<0.01	<0.01	<0.01	0.33	<0.01	0.84	0.21	0.37
Arsenic as As (Dissolved)	ICPMSW	mg/l	NS	0.009	0.014	0.015	0.036	0.032	0.029	0.028	0.028	0.027	0.026	0.021
Mercury as Hg (Dissolved)	ICPMSW	mg/l	NS	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	0.0002	<0.001	0.0005	0.00015
Selenium as Se (Dissolved)	ICPMSW	mg/l	NS	0.006	0.001	0.001	0.088	<0.01	<0.01	<0.01	0.005	<0.01	0.004	0.004
Ammoniacal Nitrogen as N	KONENS	mg/l	NS	79.3	86.2	94.3	83.4	98.7	102	106	105	77.6	98.3	71.4
Nitrite as N	KONENS	mg/l	NS	<0.01	<0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate as N	KONENS	mg/l	NS	<0.2	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cyanide (Total) as CN	SFAPI	mg/l	NS	0.04	0.03	0.02	0.04	0.03	<0.02	0.03	0.03	<0.02	0.02	0.02
Sulphide as S	SFAS	mg/l	NS	0.17	0.06	0.18	0.93	9.46	1.36	3.74	1.03	2.46	2.44	6.38
Organics														
Azobenzene	SVOCSW	mg/l	NS	< 0.050	< 0.050	< 0.100	< 0.050	< 0.050	< 0.200	< 0.200	< 0.050	< 0.200	< 0.050	< 0.050
Carbon Disulphide	VOCHSAW	mg/l	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<5	<0.005
Dichloromethane	VOCHSAW	mg/l	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<5	<0.005
Carbazole	SVOCSW	mg/l	NS	< 0.050	< 0.050	< 0.100	< 0.050	< 0.050	< 0.200	< 0.200	< 0.050	< 0.200	< 0.050	< 0.050
PAHs														
Naphthalene	PAH_MS-SIM	ug/l	NS	< 0.02	0.36	0.78	< 0.01	0.7	0.67	0.63	0.64	0.76	0.73	0.84
Acenaphthylene	PAH_MS-SIM	ug/l	NS	< 0.01	< 0.01	0.02	< 0.01	< 0.20	0.07	0.05	0.02	< 0.01	0.04	<0.01
Acenaphthene	PAH_MS-SIM	ug/l	NS	< 0.01	0.11	0.34	0.03	0.29	0.33	0.28	0.32	0.39	0.3	0.41
Fluorene	PAH_MS-SIM	ug/l	NS	< 0.01	0.06	0.19	< 0.01	< 0.20	0.19	0.16	0.16	0.22	0.14	0.25
Phenanthrene	PAH_MS-SIM	ug/l	NS	< 0.01	0.14	0.43	0.08	0.37	0.64	0.47	0.35	0.46	0.23	0.44
Anthracene	PAH_MS-SIM	ug/l	NS	< 0.01	0.03	0.08	0.03	< 0.20	0.14	0.1	0.07	0.11	0.04	0.09
Fluoranthene	PAH_MS-SIM	ug/l	NS	0.01	0.07	0.12	0.12	< 0.20	0.58	0.37	0.17	0.22	0.08	0.16
Pyrene	PAH_MS-SIM	ug/l	NS	< 0.01	0.06	0.08	0.19	< 0.20	0.67	0.37	0.13	0.16	0.06	0.12
Benzo[a]anthracene	PAH_MS-SIM	ug/l	NS	< 0.01	0.02	< 0.01	0.05	< 0.20	0.2	0.1	0.04	0.04	< 0.01	0.01
Chrysene	PAH_MS-SIM	ug/l	NS	< 0.01	0.01	< 0.01	0.06	< 0.20	0.25	0.1	0.03	0.03	< 0.01	0.01
Benzo[b]fluoranthene	PAH_MS-SIM	ug/l	NS	< 0.01	< 0.01	< 0.01	0.04	< 0.20	0.13	0.07	0.03	0.04	< 0.01	< 0.01
Benzo[k]fluoranthene	PAH_MS-SIM	ug/l	NS	< 0.01	< 0.01	< 0.01	0.02	< 0.20	0.05	0.03	0.02	0.02	< 0.01	< 0.01
Benzo[a]pyrene	PAH_MS-SIM	ug/l	NS	< 0.01	< 0.01	< 0.01	0.04	< 0.20	0.15	0.08	0.03	0.03	< 0.01	< 0.01
Indeno[1,2,3-cd]pyrene	PAH_MS-SIM	ug/l	NS	< 0.01	< 0.01	< 0.01	0.02	< 0.20	0.05	0.03	0.02	< 0.01	< 0.01	< 0.01
Dibenzo[a,h]anthracene	PAH_MS-SIM	ug/l	NS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.20	0.02	<0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo[g,h,i]perylene	PAH_MS-SIM	ug/l	NS	< 0.01	< 0.01	< 0.01	0.02	< 0.20	0.05	0.02	0.02	0.03	< 0.01	<0.01
Total (USEPA16) PAHs	PAH_MS-SIM	ug/l	NS	< 0.17	< 0.94	< 2.13	< 0.72	< 3.97	4.18	2.88	< 2.08	< 2.53	< 1.71	<2.4
TPH														
Benzene	BTEXHSA	mg/l	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	BTEXHSA	mg/l	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethyl benzene	BTEXHSA	mg/l	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m/p-Xylene	BTEXHSA	mg/l	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010
o-Xylene	BTEXHSA	mg/l	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
C5 - C6	GRO_HSA	mg/l	NS	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
>C6 - C7	GRO_HSA	mg/l	NS	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
>C7 - C8	GRO_HSA	mg/l	NS	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
>C8 - C10	GRO_HSA	mg/l	NS	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
Total GRO	GRO_HSA	mg/l	NS	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
Aliphatics >C8 - C10	TPHSI_FID_0.0	mg/l	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Aromatics >C8 - C10	TPHSI_FID_0.0	mg/l	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.02	< 0.010	< 0.010	< 0.010	< 0.010
Aliphatics >C10 - C12	TPHSI_FID_0.0	mg/l	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Aromatics >C10 - C12	TPHSI_FID_0.0	mg/l	NS	0.012	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Aliphatics >C12 - C16	TPHSI_FID_0.0	mg/l	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Aromatics >C12 - C16	TPHSI_FID_0.0	mg/l	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.012	0.013	0.027	< 0.010	< 0.010	< 0.010
Aliphatics >C16 - C21	TPHSI_FID_0.0	mg/l	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Aromatics >C16 - C21	TPHSI_FID_0.0	mg/l	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.01
Aliphatics >C21 - C35	TPHSI_FID_0.0	mg/l	NS	< 0.010	< 0.010	0.014	< 0.010	< 0.010	< 0.010	0.011	< 0.010	0.015	< 0.010	< 0.010
Aromatics >C21 - C35	TPHSI_FID_0.0	mg/l	NS	< 0.010	0.014	< 0.010	< 0.010	< 0.010	< 0.010	0.014	< 0.010	< 0.010	< 0.010	< 0.010
Aliphatics >C8 - C40	TPHSI_FID_0.0	mg/l	NS	< 0.010	0.017	0.026	0.014	< 0.010	0.014	0.021	< 0.010	0.03	< 0.010	< 0.010
Aromatics >C8 - C40	TPHSI_FID_0.0	mg/l	NS	0.019	0.026	0.023	0.027	< 0.010	0.025	0.056	0.048	0.01	0.019	0.022

RAMBOLL				Baseline			Construction Phase (1)	Construction Phase											
Surface Water Analytical Results Summary 1700000013MT Southall Western Access			Sample ID	WASW1	WASW1	WASW1	WASW1	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
				WASW1	WASW1	WASW1	WASW1	WASW1	WASW1	WASW1	WASW1	WASW1	WASW1	WASW1	WASW1	WASW1	WASW1	WASW1	WASW1
Test	Test Method	Units	Sampling Date	04/05/2017	30/05/2017	03/07/2017	05/09/2017	07/11/2017	10/01/2018	27/03/2017	15/05/2018	25/07/2018	09/08/2018	12/09/2018	07/11/2018	16/01/2019	19/03/2019	14/05/2019	11/07/2019
pH units w	WSLM3	mg/l		8.48	7.53	8.9	7.5	7.8	7.8	7.9	7.9	7.9	8.3	8.1	7.4	7.8	7.9	7.8	8.1
Inorganics																			
Nickel as Ni (Dissolved)	ICPMSW	mg/l		0.003	0.002	0.003	0.002	0.003	0.004	0.002	0.003	0.004	0.004	0.003	0.002	0.004	0.003	0.003	0.003
Chromium as Cr (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	0.00	0.00	0.00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium as Cd (Dissolved)	ICPMSW	mg/l		<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
Copper as Cu (Dissolved)	ICPMSW	mg/l		0.001	0.002	0.002	0.003	0.003	0.003	0.005	0.002	0.004	0.002	0.001	0.003	0.002	0.005	0.003	0.002
Lead as Pb (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	0.00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc as Zn (Dissolved)	ICPMSW	mg/l		0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.05	0.02	0.01	0.012	0.013	0.008
Arsenic as As (Dissolved)	ICPMSW	mg/l		0.002	0.002	0.003	0.002	0.002	0.001	0.001	0.002	0.003	0.003	0.002	0.001	<0.001	0.001	0.002	0.003
Mercury as Hg (Dissolved)	ICPMSW	mg/l		<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
Selenium as Se (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ammoniacal Nitrogen as N	KONENS	mg/l		0.60	0.20	0.20	0.14	0.70	0.20	0.40	0.16	0.07	0.08	0.06	0.50	1.10	0.17	0.15	0.07
Cyanide (Total) as CN	SFAPI	mg/l		<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	<0.02	<0.02	<0.02
Organics																			
Azobenzene	SVOCSW	mg/l		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Carbon Disulphide	VOCHSAW	mg/l		<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
Dichloromethane	VOCHSAW	mg/l		<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	<0.001	<0.005
Carbazole	SVOCSW	mg/l		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
PAHs																			
Naphthalene	PAH_MS-SIM_10	ug/l		0.03	<0.020	0.026	<0.020	<0.020	<0.020	0.1	<0.02	<0.01	0.01	0.07	<0.01	3.98	0.2	0.05	<0.01
Acenaphthylene	PAH_MS-SIM_10	ug/l		0.019	0.022	0.018	0.015	<0.010	0.02	0.03	<0.01	<0.01	<0.01	<0.01	<0.002	0.74	0.02	0.02	<0.01
Acenaphthene	PAH_MS-SIM_10	ug/l		0.014	0.023	0.015	0.017	0.01	0.02	0.02	<0.01	<0.01	0.01	0.02	<0.002	0.29	0.05	0.04	<0.01
Fluorene	PAH_MS-SIM_10	ug/l		<0.010	0.017	0.012	0.011	<0.010	0.011	0.02	<0.01	<0.01	0.01	0.01	<0.01	0.22	0.01	<0.01	<0.01
Phenanthrene	PAH_MS-SIM_10	ug/l		<0.010	0.015	0.016	0.017	0.027	0.02	0.05	<0.01	<0.01	0.02	0.02	<0.01	0.14	0.02	0.03	<0.01
Anthracene	PAH_MS-SIM_10	ug/l		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01
Fluoranthene	PAH_MS-SIM_10	ug/l		0.012	0.025	0.021	0.036	0.042	0.048	0.06	<0.01	<0.01	0.03	0.02	0.02	0.06	0.04	0.04	0.02
Pyrene	PAH_MS-SIM_10	ug/l		0.012	0.031	0.033	0.048	0.04	0.053	0.06	<0.01	<0.01	0.03	0.03	0.02	0.06	0.04	0.03	0.02
Benzo[a]anthracene	PAH_MS-SIM_10	ug/l		<0.010	<0.010	<0.010	0.022	0.028	0.023	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.02	<0.01
Chrysene	PAH_MS-SIM_10	ug/l		<0.010	<0.010	<0.010	0.013	0.022	0.021	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.01	<0.01
Benzo[b]fluoranthene	PAH_MS-SIM_10	ug/l		<0.010	<0.010	<0.010	0.012	0.025	<0.010	0.04	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.02	0.01	0.01
Benzo[k]fluoranthene	PAH_MS-SIM_10	ug/l		<0.010	<0.010	<0.010	<0.010	0.018	<0.010	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
Benzo[a]pyrene	PAH_MS-SIM_10	ug/l		<0.010	<0.010	<0.010	0.01	0.024	0.014	0.03	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.02	<0.01	<0.01
Indeno[1,2,3-cd]pyrene	PAH_MS-SIM_10	ug/l		<0.010	<0.010	<0.010	<0.010	0.017	<0.010	0.02	<0.01	<0.01	<0.01	<0.01	0.01	0.01	0.01	<0.01	<0.01
Dibenzo[a,h]anthracene	PAH_MS-SIM_10	ug/l		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[g,h,i]perylene	PAH_MS-SIM_10	ug/l		<0.010	<0.010	<0.010	<0.010	0.019	0.012	0.02	<0.01	<0.01	<0.01	<0.002	0.01	0.01	0.01	<0.01	0.01
Total (USEPA16) PAHs	PAH_MS-SIM_10	mg/l		<0.197	<0.243	<0.231	<0.271	<0.332	<0.312	<0.45	<0.17	<0.16	<0.21	<0.27	<0.21	<5.66	0.51	<0.32	<0.19
TPH																			
Benzene	BTEX_HSA	mg/l		<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	<1.0
Toluene	BTEX_HSA	mg/l		<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	<1.0
Ethyl benzene	BTEX_HSA	mg/l		<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	<1.0
m/p-Xylene	BTEX_HSA	mg/l		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<1.0
o-Xylene	BTEX_HSA	mg/l		<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	<1.0
C5 - C6	GRO_HSA	mg/l		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
>C6 - C7	GRO_HSA	mg/l		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
>C7 - C8	GRO_HSA	mg/l		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
>C8 - C10	GRO_HSA	mg/l		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
Total GRO	GRO_HSA	mg/l		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.100	<0.100	<							

RAMBOLL						Baseline			Construction Phase (1)	Construction Phase									
				(14)	(15)					(2)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Surface Water Analytical Results Summary 1700000013MT Southall Western Access			Sample ID	WASW1	WASW1	WASW2	WASW2	WASW2	WASW2	WASW2	WASW2b	WASW2b	WASW2b	WASW2b	WASW2b	WASW2b	WASW2b	WASW2b	WASW2b
Test	Test Method	Units	Sampling Date	11/09/2019	05/11/2019	04/05/2017	30/05/2017	03/07/2017	05/09/2017	07/11/2017	07/11/2017	10/01/2018	27/03/2018	15/05/2018	25/07/2018	09/08/2018	12/09/2018	07/11/2018	16/01/2019
pH units w	WSLM3	mg/l		8.1	7.6	7.75	7.93	8.99	7.4	7.8	7.6	7.7	7.6	8.6	7.6	8	8	7.5	7.7
Inorganics																			
Nickel as Ni (Dissolved)	ICPMSW	mg/l		0.002	0.002	0.003	0.002	0.003	0.002	0.003	0.003	0.004	0.002	0.006	0.003	0.004	0.003	0.003	0.004
Chromium as Cr (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	<0.001	0.00	0.00	0.00	0.00	<0.001	0.007	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium as Cd (Dissolved)	ICPMSW	mg/l		<0.0001	0.00004	<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
Copper as Cu (Dissolved)	ICPMSW	mg/l		0.001	0.003	0.002	0.002	0.002	0.003	0.003	0.004	0.003	0.005	0.016	0.003	0.003	0.002	0.003	0.002
Lead as Pb (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	<0.001	0.00	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc as Zn (Dissolved)	ICPMSW	mg/l		0.009	0.010	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.002	0.013	0.013	0.035	0.026	0.013
Arsenic as As (Dissolved)	ICPMSW	mg/l		0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.002	0.002	<0.001	<0.001
Mercury as Hg (Dissolved)	ICPMSW	mg/l		<0.0001	<0.00003	<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
Selenium as Se (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ammoniacal Nitrogen as N	KONENS	mg/l		0.30	0.11	0.50	0.20	0.21	NA	0.50	0.21	0.20	0.40	3.00	0.08	0.15	0.14	0.60	0.90
Cyanide (Total) as CN	SFAPI	mg/l		<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	<0.02	<0.02	<0.02
Organics																			
Azobenzene	SVOCSW	mg/l		< 0.050	< 0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Disulphide	VOCHSAW	mg/l		<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
Dichloromethane	VOCHSAW	mg/l		<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
Carbazole	SVOCSW	mg/l		< 0.050	< 0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
PAHs																			
Naphthalene	PAH_MS-SIM_10	ug/l		< 0.01	0.06	0.094	<0.020	0.03	<0.020	<0.020	<0.020	<0.020	0.12	< 0.02	< 0.01	< 0.01	0.04	< 0.01	3.4
Acenaphthylene	PAH_MS-SIM_10	ug/l		< 0.01	<0.01	0.058	0.023	0.02	0.012	<0.010	<0.010	0.02	0.03	< 0.01	< 0.01	< 0.01	< 0.01	< 0.002	0.57
Acenaphthene	PAH_MS-SIM_10	ug/l		< 0.01	0.03	0.036	0.022	0.015	0.014	0.011	<0.010	0.023	0.02	< 0.01	< 0.01	0.01	0.02	< 0.002	0.24
Fluorene	PAH_MS-SIM_10	ug/l		< 0.01	< 0.01	0.019	0.017	0.016	<0.010	0.011	<0.010	0.012	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.17
Phenanthrene	PAH_MS-SIM_10	ug/l		< 0.01	0.01	0.012	0.015	0.017	0.019	0.028	0.021	0.041	0.05	< 0.01	< 0.01	0.02	0.02	0.02	0.12
Anthracene	PAH_MS-SIM_10	ug/l		< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.018	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.04
Fluoranthene	PAH_MS-SIM_10	ug/l		< 0.01	0.03	0.011	0.023	0.023	0.047	0.048	0.029	0.066	0.08	< 0.01	< 0.01	0.03	0.02	0.04	0.06
Pyrene	PAH_MS-SIM_10	ug/l		0.01	0.03	0.011	0.029	0.036	0.062	0.047	0.027	0.07	0.08	< 0.01	< 0.01	0.03	0.03	0.04	0.06
Benzo[a]anthracene	PAH_MS-SIM_10	ug/l		< 0.01	0.01	<0.010	<0.010	<0.010	0.023	0.031	0.022	0.032	0.04	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.02
Chrysene	PAH_MS-SIM_10	ug/l		< 0.01	0.01	<0.010	<0.010	<0.010	0.018	0.028	0.018	0.027	0.04	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.01
Benzo[b]fluoranthene	PAH_MS-SIM_10	ug/l		< 0.01	0.01	<0.010	<0.010	<0.010	0.016	0.033	0.025	0.028	0.04	< 0.01	< 0.01	< 0.01	< 0.01	0.04	0.02
Benzo[k]fluoranthene	PAH_MS-SIM_10	ug/l		< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	0.022	0.016	0.012	0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
Benzo[a]pyrene	PAH_MS-SIM_10	ug/l		< 0.01	0.02	<0.010	<0.010	<0.010	0.014	0.025	0.017	0.023	0.03	< 0.01	< 0.01	< 0.01	< 0.01	0.03	0.01
Indeno[1,2,3-cd]pyrene	PAH_MS-SIM_10	ug/l		< 0.01	<0.01	<0.010	<0.010	<0.010	0.01	0.017	0.015	0.014	0.02	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.01
Dibenzo[a,h]anthracene	PAH_MS-SIM_10	ug/l		< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	< 0.01	< 0.01	< 0.01	< 0.01	< 0.002	< 0.01	< 0.01
Benzo[g,h,i]perylene	PAH_MS-SIM_10	ug/l		< 0.01	0.01	<0.010	<0.010	<0.010	0.01	0.022	0.018	0.015	0.03	< 0.01	< 0.01	< 0.01	< 0.002	0.02	0.01
Total (USEPA16) PAHs	PAH_MS-SIM_10	mg/l		< 0.16	<0.28	<0.331	<0.239	<0.247	<0.305	<0.373	<0.278	<0.431	< 0.54	< 0.17	< 0.16	< 0.21	< 0.22	< 0.33	< 4.75
TPH																			
Benzene	BTEX_HSA	mg/l		<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
Toluene	BTEX_HSA	mg/l		<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
Ethyl benzene	BTEX_HSA	mg/l		<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
m/p-Xylene	BTEX_HSA	mg/l		<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
o-Xylene	BTEX_HSA	mg/l		<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
C5 - C6	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
>C6 - C7	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
>C7 - C8	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
>C8 - C10	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.100	< 0.100	< 0.100	< 0.100	<		

RAMBOLL						Baseline			Construction Phase (1)	Construction Phase									
(14)		(15)		(2)	(2)					(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
Surface Water Analytical Results Summary 170000013MT				WASW1	WASW1	WASW2	WASW2	WASW2	WASW2	WASW2	WASW2b	WASW2b	WASW2b	WASW2b	WASW2b	WASW2b	WASW2b	WASW2b	WASW2b
Southall Western Access			Sample ID																
Test	Test Method	Units	Sampling Date	11/09/2019	05/11/2019	04/05/2017	30/05/2017	03/07/2017	05/09/2017	07/11/2017	07/11/2017	10/01/2018	27/03/2018	15/05/2018	25/07/2018	09/08/2018	12/09/2018	07/11/2018	16/01/2019
trans 1,2-Dichloroethene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis 1,2-Dichloroethene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Tetrachloride	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	VOCSWWSA	ug/l		< 1.0	< 1.0	<5	<5	<5	<5	<5	<5	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis 1,3-Dichloropropene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans 1,3-Dichloropropene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	VOCSWWSA	ug/l		< 1.0	< 1.0	<5	<5	<5	<5	<5	<5	<5	<1.0	<1.0	1	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	5	<1.0	<1.0
Ethylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m and p-Xylene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
iso-Propylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Propylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<1	<1	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	VOCSWWSA	ug/l		< 5.0	< 5.0	<5	<5	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane	VOCSWWSA	ug/l		< 5.0	< 5.0	<5	<5	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	VOCSWWSA	ug/l		< 5.0	< 5.0	<5	<5	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0
Hexachlorobutadiene	VOCSWWSA	ug/l		< 5.0	< 5.0	<5	<5	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Naphthalene	VOCSWWSA	ug/l		< 5.0	< 5.0	<5	<5	<5	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichlorobenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	<5	<5	<5	<5	<5	<5	<5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SVOCs																			
Phenol	SVOCSW	mg/l		< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
bis(2-Chloroethyl)ether	SVOCSW	mg/l		< 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
2-Chlorophenol	SVOCSW	mg/l		< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,3-Dichlorobenzene	SVOCSW	mg/l		< 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
1,4-Dichlorobenzene	SVOCSW	mg/l		< 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
Benzyl alcohol	SVOCSW	mg/l		< 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
1,2-Dichlorobenzene	SVOCSW	mg/l		< 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
2-Methylphenol	SVOCSW	mg/l		< 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
bis(2-Chloroisopropyl)ether	SVOCSW	mg/l		< 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
Hexachloroethane	SVOCSW	mg/l		< 0.005	< 0.005	<0.005	<0.005	<0.0											

RAMBOLL									Baseline			Construction Phase (1)	Construction Phase						
				(11)	(12)	(13)	(14)	(15)					(2)	(3)	(4)	(5)	(6)	(7)	(8)
Surface Water Analytical Results Summary 1700000013MT Southall Western Access			Sample ID	WASW2b	WASW2b	WASW2B	WASW2b	WASW2b	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3
Test	Test Method	Units	Sampling Date	19/03/2019	14/05/2019	11/07/2019	11/09/2019	05/11/2019	04/05/2017	30/05/2017	03/07/2017	05/09/2017	07/11/2017	11/01/2018	27/03/2018	15/05/2018	25/07/2018	09/08/2018	12/09/2018
pH units w	WSLM3	mg/l		7.9	7.6	7.9	7.8	7.5	7.82	7.5	8.88	7.6	7.9	7.8	8.4	8.2	7.7	8.2	8.1
Inorganics																			
Nickel as Ni (Dissolved)	ICPMSW	mg/l		0.003	0.002	0.003	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.005	0.003	0.004	0.005	0.006	0.003
Chromium as Cr (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00	0.01	0.00	0.00	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium as Cd (Dissolved)	ICPMSW	mg/l		<0.0001	<0.0001	<0.0001	<0.0001	0.00004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	0.0003	0.0004	0.00	<0.0001
Copper as Cu (Dissolved)	ICPMSW	mg/l		0.005	0.002	0.002	0.001	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.004	0.005	0.006	0.004	0.004
Lead as Pb (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc as Zn (Dissolved)	ICPMSW	mg/l		0.012	0.010	0.008	0.009	0.012	0.01	0.03	0.01	0.02	0.03	0.02	0.02	0.02	0.01	0.01	0.01
Arsenic as As (Dissolved)	ICPMSW	mg/l		0.0010	0.0020	0.0020	0.0010	0.0010	<0.001	0.001	0.002	<0.001	0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001
Mercury as Hg (Dissolved)	ICPMSW	mg/l		<0.0001	<0.0001	<0.0001	<0.0001	<0.00003	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Selenium as Se (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	<0.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ammoniacal Nitrogen as N	KONENS	mg/l		0.16	0.16	0.07	0.08	0.12	0.06	0.20	0.05	0.10	0.06	1.60	0.02	0.03	0.12	0.10	0.07
Cyanide (Total) as CN	SFAPI	mg/l		<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	<0.02	<0.02	0.02
Organics																			
Azobenzene	SVOCSW	mg/l		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Carbon Disulphide	VOCHSAW	mg/l		<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
Dichloromethane	VOCHSAW	mg/l		<0.005	<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
Carbazole	SVOCSW	mg/l		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
PAHs																			
Naphthalene	PAH_MS-SIM_10	ug/l		0.19	0.03	< 0.01	< 0.01	0.04	0.02	<0.020	<0.020	0.044	<0.020	0.075	0.08	0.29	< 0.01	< 0.01	< 0.01
Acenaphthylene	PAH_MS-SIM_10	ug/l		0.02	0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	< 0.01	0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	PAH_MS-SIM_10	ug/l		0.04	0.03	< 0.01	< 0.01	0.01	<0.010	<0.010	<0.010	<0.010	<0.010	0.026	0.03	0.11	< 0.01	0.02	< 0.01
Fluorene	PAH_MS-SIM_10	ug/l		0.01	< 0.01	< 0.01	< 0.01	< 0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.01	0.07	< 0.01	< 0.01	< 0.01
Phenanthrene	PAH_MS-SIM_10	ug/l		0.02	0.03	< 0.01	< 0.01	<0.01	0.021	<0.010	0.018	0.012	0.011	0.02	0.02	0.12	< 0.01	0.03	< 0.01
Anthracene	PAH_MS-SIM_10	ug/l		<0.01	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	< 0.01	0.03	< 0.01	< 0.01	< 0.01
Fluoranthene	PAH_MS-SIM_10	ug/l		0.04	0.05	< 0.01	0.01	0.02	0.044	<0.010	0.028	0.03	0.017	0.054	0.04	0.05	< 0.01	0.12	0.02
Pyrene	PAH_MS-SIM_10	ug/l		0.04	0.05	0.01	0.02	0.03	0.044	0.013	0.031	0.037	0.021	0.066	0.05	0.04	0.01	0.16	0.04
Benzo[a]anthracene	PAH_MS-SIM_10	ug/l		0.02	0.02	< 0.01	< 0.01	< 0.01	0.03	<0.010	0.02	0.021	<0.010	0.033	0.02	< 0.01	< 0.01	0.05	< 0.01
Chrysene	PAH_MS-SIM_10	ug/l		0.02	0.02	< 0.01	< 0.01	0.01	0.03	<0.010	0.014	0.015	<0.010	0.048	0.04	< 0.01	< 0.01	0.04	< 0.01
Benzo[b]fluoranthene	PAH_MS-SIM_10	ug/l		0.02	0.02	< 0.01	0.01	0.01	0.04	<0.010	0.017	0.018	<0.010	0.058	0.03	< 0.01	< 0.01	0.09	0.01
Benzo[k]fluoranthene	PAH_MS-SIM_10	ug/l		<0.01	< 0.01	< 0.01	< 0.01	<0.01	0.016	<0.010	<0.010	<0.010	<0.010	0.021	0.01	< 0.01	< 0.01	0.04	0.01
Benzo[a]pyrene	PAH_MS-SIM_10	ug/l		0.02	0.02	< 0.01	< 0.01	0.01	0.028	<0.010	0.011	0.012	0.013	0.041	0.02	< 0.01	< 0.01	0.08	0.01
Indeno[1,2,3-cd]pyrene	PAH_MS-SIM_10	ug/l		0.01	0.01	< 0.01	< 0.01	<0.01	0.021	<0.010	<0.010	0.011	<0.010	0.026	0.01	< 0.01	< 0.01	0.05	0.02
Dibenzo[a,h]anthracene	PAH_MS-SIM_10	ug/l		<0.01	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	< 0.01	< 0.01	< 0.01	0.02	< 0.002
Benzo[g,h,i]perylene	PAH_MS-SIM_10	ug/l		0.01	0.01	< 0.01	< 0.01	<0.01	0.022	<0.010	<0.010	0.012	<0.010	0.032	0.02	< 0.01	< 0.01	0.05	< 0.002
Total (USEPA16) PAHs	PAH_MS-SIM_10	mg/l		<0.51	< 0.34	< 0.16	< 0.17	<0.23	<0.366	<0.173	<0.239	<0.272	<0.192	<0.540	< 0.34	< 0.79	< 0.16	< 0.78	< 0.22
TPH																			
Benzene	BTEX_HSA	mg/l		<0.005	<0.005	< 1.0	<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
Toluene	BTEX_HSA	mg/l		<0.005	<0.005	< 1.0	<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
Ethyl benzene	BTEX_HSA	mg/l		<0.005	<0.005	< 1.0	<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
m/p-Xylene	BTEX_HSA	mg/l		<0.01	<0.010	< 1.0	<0.010	<0.010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01
o-Xylene	BTEX_HSA	mg/l		<0.005	<0.005	< 1.0	<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
C5 - C6	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
>C6 - C7	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
>C7 - C8	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
>C8 - C10	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.100	< 0.100	< 0.100	<	

RAMBOLL									Baseline			Construction Phase (1)	Construction Phase							
				(11)	(12)	(13)	(14)	(15)					(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Surface Water Analytical Results Summary 1700000013MT Southall Western Access				WASW2b	WASW2b	WASW2B	WASW2b	WASW2b	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3		
Test	Test Method	Units	Sample ID	Sampling Date	19/03/2019	14/05/2019	11/07/2019	11/09/2019	05/11/2019	04/05/2017	30/05/2017	03/07/2017	05/09/2017	07/11/2017	11/01/2018	27/03/2018	15/05/2018	25/07/2018	09/08/2018	12/09/2018
Isoophorone	SVOC	mg/l			< 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
2-Nitrophenol	SVOC	mg/l			< 0.020	< 0.020	< 0.005	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
2,4-Dimethylphenol	SVOC	mg/l			< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Benzoic Acid	SVOC	mg/l			< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
bis(2-Chloroethoxy)methane	SVOC	mg/l			< 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
2,4-Dichlorophenol	SVOC	mg/l			< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1,2,4-Trichlorobenzene	SVOC	mg/l			< 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
Naphthalene	SVOC	mg/l			< 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	< 0.01	< 0.002	< 0.002
4-Chlorophenol	SVOC	mg/l			< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
4-Chloroaniline	SVOC	mg/l			< 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
Hexachlorobutadiene	SVOC	mg/l			< 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
4-Chloro-3-methylphenol	SVOC	mg/l			< 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
2-Methylnaphthalene	SVOC	mg/l			< 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
1-Methylnaphthalene	SVOC	mg/l			< 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
Hexachlorocyclopentadiene	SVOC	mg/l			< 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
2,4,6-Trichlorophenol	SVOC	mg/l			< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
2,4,5-Trichlorophenol	SVOC	mg/l			< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
2-Chloronaphthalene	SVOC	mg/l			< 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
Biphenyl	SVOC	mg/l			< 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
Diphenyl ether	SVOC	mg/l			< 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
2-Nitroaniline	SVOC	mg/l			< 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
Acenaphthylene	SVOC	mg/l			< 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
Dimethylphthalate	SVOC	mg/l			< 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	0.008	< 0.005	< 0.005
2,6-Dinitrotoluene	SVOC	mg/l			< 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
Acenaphthene	SVOC	mg/l			< 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
3-Nitroaniline	SVOC	mg/l			< 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
2,4-Dinitrophenol	SVOC	mg/l			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Dibenzofuran	SVOC	mg/l			< 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
4-Nitrophenol	SVOC	mg/l			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
2,4-Dinitrotoluene	SVOC	mg/l			< 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
Fluorene	SVOC	mg/l			< 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
Diethylphthalate	SVOC	mg/l			< 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
4-Chlorophenyl-phenylether	SVOC	mg/l			< 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
4,6-Dinitro-2-methylphenol	SVOC	mg/l			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
4-Nitroaniline	SVOC	mg/l			< 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
N-Nitrosodiphenylamine	SVOC	mg/l			< 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
4-Bromophenyl-phenylether	SVOC	mg/l			< 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
Hexachlorobenzene	SVOC	mg/l			< 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
Pentachlorophenol	SVOC	mg/l			< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Phenanthrene	SVOC	mg/l			< 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
Anthracene	SVOC	mg/l			< 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
Di-n-butylphthalate	SVOC	mg/l			< 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
Fluoranthene	SVOC	mg/l			< 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
Pyrene	SVOC	mg/l			< 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
Butylbenzylphthalate	SVOC	mg/l			< 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
Benzo[a]anthracene	SVOC	mg/l			< 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
Chrysene	SVOC	mg/l			< 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
3,3'-Dichlorobenzidine	SVOC	mg/l			N.D	ND	ND	ND	ND	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
bis(2-Ethylhexyl)phthalate	SVOC	mg/l			< 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
Di-n-octylphthalate	SVOC	mg/l			< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.								

RAMBOLL											Baseline		
				(9)	(10)	(11)	(12)	(13)	(14)	(15)			
Surface Water Analytical Results Summary 1700000013MT Southall Western Access			Sample ID	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW4	WASW4	WASW4
Test	Test Method	Units	Sampling Date	07/11/2018	16/01/2019	19/03/2019	14/05/2019	11/07/2019	11/09/2019	05/11/2019	04/05/2017	30/05/2017	03/07/2017
pH units w	WSLM3	mg/l		7.7	7.7	8.3	8.3	8	8.1	7.6	8.46	7.4	9.06
Inorganics													
Nickel as Ni (Dissolved)	ICPMSW	mg/l		0.003	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.003	0.004
Chromium as Cr (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cadmium as Cd (Dissolved)	ICPMSW	mg/l		<0.0001	<0.0001	<0.0001	0.00	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001
Copper as Cu (Dissolved)	ICPMSW	mg/l		0.004	0.005	0.005	0.005	0.005	0.004	0.004	0.003	0.003	0.003
Lead as Pb (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zinc as Zn (Dissolved)	ICPMSW	mg/l		0.01	0.023	0.016	0.014	0.012	0.016	0.020	0.01	0.03	0.01
Arsenic as As (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.001	0.002
Mercury as Hg (Dissolved)	ICPMSW	mg/l		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00003	<0.0001	<0.0001	<0.0001
Selenium as Se (Dissolved)	ICPMSW	mg/l		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ammoniacal Nitrogen as N	KONENS	mg/l		0.13	0.18	0.03	0.02	0.07	0.04	0.05	0.06	0.30	0.04
Cyanide (Total) as CN	SFAPI	mg/l		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Organics													
Azobenzene	SVOCSW	mg/l		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.05	<0.05	<0.05
Carbon Disulphide	VOCHSAW	mg/l		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichloromethane	VOCHSAW	mg/l		<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbazole	SVOCSW	mg/l		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.05	<0.05	<0.05
PAHs													
Naphthalene	PAH_MS-SIM_10	ug/l		0.03	0.13	0.02	0.01	< 0.01	< 0.01	0.01	<0.020	<0.020	<0.020
Acenaphthylene	PAH_MS-SIM_10	ug/l		< 0.002	0.01	<0.01	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010
Acenaphthene	PAH_MS-SIM_10	ug/l		< 0.002	0.01	<0.01	< 0.01	< 0.01	< 0.01	0.01	<0.010	<0.010	0.01
Fluorene	PAH_MS-SIM_10	ug/l		< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	<0.010	<0.010	<0.010
Phenanthrene	PAH_MS-SIM_10	ug/l		0.01	0.02	0.02	0.03	0.01	0.02	<0.01	<0.010	<0.010	0.044
Anthracene	PAH_MS-SIM_10	ug/l		< 0.01	< 0.01	<0.01	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	0.011
Fluoranthene	PAH_MS-SIM_10	ug/l		0.02	0.03	0.04	0.05	0.03	0.05	0.02	0.021	<0.010	0.061
Pyrene	PAH_MS-SIM_10	ug/l		0.02	0.04	0.04	0.05	0.03	0.05	0.02	0.021	<0.010	0.052
Benzo[a]anthracene	PAH_MS-SIM_10	ug/l		< 0.01	0.02	0.02	0.02	< 0.01	< 0.01	< 0.01	0.017	<0.010	0.027
Chrysene	PAH_MS-SIM_10	ug/l		< 0.01	0.02	0.02	0.01	< 0.01	0.02	<0.01	0.016	<0.010	0.022
Benzo[b]fluoranthene	PAH_MS-SIM_10	ug/l		0.01	0.03	0.03	< 0.01	0.02	0.02	0.01	0.018	<0.010	0.023
Benzo[k]fluoranthene	PAH_MS-SIM_10	ug/l		< 0.01	0.01	0.01	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	0.011
Benzo[a]pyrene	PAH_MS-SIM_10	ug/l		< 0.01	0.02	0.03	0.01	< 0.01	< 0.01	<0.01	0.013	<0.010	0.014
Indeno[1,2,3-cd]pyrene	PAH_MS-SIM_10	ug/l		< 0.01	0.01	0.02	0.02	< 0.01	< 0.01	<0.01	0.011	<0.010	<0.010
Dibenzo[a,h]anthracene	PAH_MS-SIM_10	ug/l		< 0.01	< 0.01	<0.01	< 0.01	< 0.01	< 0.01	<0.01	<0.010	<0.010	<0.010
Benzo[g,h,i]perylene	PAH_MS-SIM_10	ug/l		< 0.01	0.01	0.01	0.02	0.02	< 0.01	<0.01	0.011	<0.010	0.01
Total (USEPA16) PAHs	PAH_MS-SIM_10	mg/l		< 0.2	< 0.39	<0.31	< 0.3	< 0.21	< 0.27	<0.19	<0.218	<0.170	<0.345
TPH													
Benzene	BTEX_HSA	mg/l		<0.005	<0.005	<0.005	<0.005	< 1.0	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	BTEX_HSA	mg/l		<0.005	<0.005	<0.005	<0.005	< 1.0	<0.005	<0.005	<0.005	<0.005	<0.005
Ethyl benzene	BTEX_HSA	mg/l		<0.005	<0.005	<0.005	<0.005	< 1.0	<0.005	<0.005	<0.005	<0.005	<0.005
m/p-Xylene	BTEX_HSA	mg/l		<0.01	<0.01	<0.01	<0.010	< 1.0	<0.010	<0.010	<0.005	<0.005	<0.005
o-Xylene	BTEX_HSA	mg/l		<0.005	<0.005	<0.005	<0.005	< 1.0	<0.005	<0.005	<0.005	<0.005	<0.005
C5 - C6	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.1	<0.1	<0.1
>C6 - C7	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.1	<0.1	<0.1
>C7 - C8	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.1	<0.1	<0.1
>C8 - C10	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.1	<0.1	<0.1
Total GRO	GRO_HSA	mg/l		< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.1	<0.1	<0.1
Aliphatics >C8 - C10	TPHSI_FID_0.01	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.01	<0.01	<0.01
Aromatics >C8 - C10	TPHSI_FID_0.01	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.01	<0.01	<0.01
Aliphatics >C10 - C12	TPHSI_FID_0.01	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.01	<0.01	<0.01
Aromatics >C10 - C12	TPHSI_FID_0.01	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.01	<0.01	<0.01
Aliphatics >C12 - C16	TPHSI_FID_0.01	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.01	<0.01	<0.01
Aromatics >C12 - C16	TPHSI_FID_0.01	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.01	<0.01	<0.01
Aliphatics >C16 - C21	TPHSI_FID_0.01	mg/l		0.01	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.01	<0.01	<0.01
Aromatics >C16 - C21	TPHSI_FID_0.01	mg/l		0.017	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.01	<0.01	<0.01
Aliphatics >C21 - C35	TPHSI_FID_0.01	mg/l		0.046	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.01	<0.01	<0.01
Aromatics >C21 - C35	TPHSI_FID_0.01	mg/l		0.041	< 0.010	< 0.010	< 0.010	0.019	< 0.010	< 0.010	<0.01	<0.01	<0.01
VOCs													
Dichlorodifluoromethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Chloromethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Vinyl Chloride	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Bromomethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5	<5	<5
Chloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5	<5	<5
Trichlorofluoromethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,1-Dichloroethene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1

RAMBOLL											Baseline		
Surface Water Analytical Results Summary 1700000013MT Southall Western Access											WASW4 WASW4 WASW4		
				(9)	(10)	(11)	(12)	(13)	(14)	(15)			
Sample ID				WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3			
Test	Test Method	Units	Sampling Date	07/11/2018	16/01/2019	19/03/2019	14/05/2019	11/07/2019	11/09/2019	05/11/2019	04/05/2017	30/05/2017	03/07/2017
trans 1,2-Dichloroethene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,1-Dichloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
2,2-Dichloropropane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
cis 1,2-Dichloroethene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Bromochloromethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Chloroform	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,1,1-Trichloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Carbon Tetrachloride	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,1-Dichloropropene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Benzene	VOCSWWSA	ug/l		< 1.0	1	1	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,2-Dichloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Trichloroethene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5	<5	<5
1,2-Dichloropropane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Dibromomethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Bromodichloromethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
cis 1,3-Dichloropropene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Toluene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
trans 1,3-Dichloropropene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,1,2-Trichloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Tetrachloroethene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5	<5	<5
1,3-Dichloropropane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Dibromochloromethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,2-Dibromoethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Chlorobenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Ethylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,1,1,2-Tetrachloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
m and p-Xylene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
o-Xylene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Styrene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Bromoform	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
iso-Propylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,1,2,2-Tetrachloroethane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Propylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
Bromobenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,2,3-Trichloropropane	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
2-Chlorotoluene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,3,5-Trimethylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
4-Chlorotoluene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
tert-Butylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,2,4-Trimethylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
sec-Butylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
p-Isopropyltoluene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,3-Dichlorobenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,4-Dichlorobenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
n-Butylbenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1	<1	<1
1,2-Dichlorobenzene	VOCSWWSA	ug/l		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5	<5	<5
1,2-Dibromo-3-chloropropane	VOCSWWSA	ug/l		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5	<5	<5
1,2,4-Trichlorobenzene	VOCSWWSA	ug/l		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5	<5	<5
Hexachlorobutadiene	VOCSWWSA	ug/l		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5	<5	<5
Naphthalene	VOCSWWSA	ug/l		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<5	<5	<5
1,2,3-Trichlorobenzene	VOCSWWSA	ug/l		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5	<5	<5
SVOCs													
Phenol	SVOCSW	mg/l		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020
bis(2-Chloroethyl)ether	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
2-Chlorophenol	SVOCSW	mg/l		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020
1,3-Dichlorobenzene	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Benzyl alcohol	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
2-Methylphenol	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
bis(2-Chloroisopropyl)ether	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Hexachloroethane	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
N-Nitroso-di-n-propylamine	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
3- & 4-Methylphenol	SVOCSW	mg/l		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020
Nitrobenzene	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005

RAMBOLL											Baseline		
Surface Water Analytical Results Summary 1700000013MT Southall Western Access				(9)	(10)	(11)	(12)	(13)	(14)	(15)			
				WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW3	WASW4	WASW4	WASW4
Sample ID													
Test	Test Method	Units	Sampling Date	07/11/2018	16/01/2019	19/03/2019	14/05/2019	11/07/2019	11/09/2019	05/11/2019	04/05/2017	30/05/2017	03/07/2017
Isophorone	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
2-Nitrophenol	SVOCSW	mg/l		< 0.020	< 0.020	< 0.020	< 0.020	< 0.005	< 0.020	< 0.020	<0.020	<0.020	<0.020
2,4-Dimethylphenol	SVOCSW	mg/l		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020
Benzoic Acid	SVOCSW	mg/l		< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	<0.100	<0.100	<0.100
bis(2-Chloroethoxy)methane	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
2,4-Dichlorophenol	SVOCSW	mg/l		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020
1,2,4-Trichlorobenzene	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Naphthalene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
4-Chlorophenol	SVOCSW	mg/l		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020
4-Chloroaniline	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
4-Chloro-3-methylphenol	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
1-Methylnaphthalene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Hexachlorocyclopentadiene	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
2,4,6-Trichlorophenol	SVOCSW	mg/l		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020
2,4,5-Trichlorophenol	SVOCSW	mg/l		< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	<0.020	<0.020	<0.020
2-Chloronaphthalene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Biphenyl	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Diphenyl ether	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
2-Nitroaniline	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Acenaphthylene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Dimethylphthalate	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
2,6-Dinitrotoluene	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Acenaphthene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
3-Nitroaniline	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
2,4-Dinitrophenol	SVOCSW	mg/l		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<0.010	<0.010	<0.010
Dibenzofuran	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
4-Nitrophenol	SVOCSW	mg/l		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050
2,4-Dinitrotoluene	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Fluorene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Diethylphthalate	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
4-Chlorophenyl-phenylether	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
4,6-Dinitro-2-methylphenol	SVOCSW	mg/l		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050
4-Nitroaniline	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
N-Nitrosodiphenylamine	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
4-Bromophenyl-phenylether	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Hexachlorobenzene	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Pentachlorophenol	SVOCSW	mg/l		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050
Phenanthrene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Anthracene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Di-n-butylphthalate	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Fluoranthene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Pyrene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Butylbenzylphthalate	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Benzo[a]anthracene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Chrysene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
3,3'-Dichlorobenzidine	SVOCSW	mg/l		N.D	N.D	N.D	ND	ND	ND	ND	N.D	N.D	N.D
bis(2-Ethylhexyl)phthalate	SVOCSW	mg/l		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	<0.005	<0.005
Di-n-octylphthalate	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Benzo[b]fluoranthene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Benzo[k]fluoranthene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Benzo[a]pyrene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Indeno[1,2,3-cd]pyrene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Dibenzo[a,h]anthracene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Benzo[g,h,i]perylene	SVOCSW	mg/l		< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	<0.002	<0.002	<0.002
Coronene	SVOCSW	mg/l		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	<0.050	<0.050	<0.050

2. CGL Monitoring Data

					Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9
Lab Sample Number					759433	774323	796158	806904	818236	821820	827576	831698	850614
Sample Reference					BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A
Sample Number					None Supplied	None Supplied	EW1	EW2	EW1	None Supplied	None Supplied	EW2	EW2
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					02/06/2017	27/06/2017	07/08/2017	29/08/2017	14/09/2017	20/09/2017	29/09/2017	05/10/2017	02/11/2017
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.2	7	7	7.2	7	7.1	7.1	6.9	7.1
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		130	43	19	77	37	34	3.1	28	43
Free Cyanide	µg/l	10	ISO 17025	10	< 10	< 10							
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		799000	278000	168000	260000	139000	136000	122000	132000	83600
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	33600	25000	28000	40000	48000	33000	49000	37000	40000	37000
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		36.3	45.4	51.8	49.8	47.5	44.7	44.7	48.6	48.2
Hardness - Total	mgCaCO ₃ /l	1	ISO 17025		1420	1580	1730	1700	1630	1830	1430	1470	1510

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	< 1.0	3	< 1.0	3.1	< 1.0	< 1.0	2.1	3.7
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Speciated PAHs

[illegible]

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		18.8	3.2	2.61	< 0.16	< 0.16	1.6	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		0.8	< 1.7	0.7	0.5	0.8	0.7	0.5	0.5	1.1
Arsenic (dissolved)	µg/l	0.15	ISO 17025		3.05	26	6.23	5.01	4.59	7.53	5.61	6.66	5.38
Barium (dissolved)	µg/l	0.06	ISO 17025		160	160	160	130	160	160	150	150	160
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		840	1300	1200	1600	1400	1400	1400	1300	1200
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	< 0.02	< 0.08	0.04	0.03	0.52	0.03	0.08	< 0.02	0.05
Calcium (dissolved)	mg/l	0.012	ISO 17025		400	440	490	450	390	490	360	370	400
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		1.6	1.3	2.4	2.8	3.9	2.2	1.9	1.8	1.8
Chromium (dissolved)	µg/l	0.2	ISO 17025		1.6	1.3	2.4	2.8	3.9	2.2	1.9	1.8	1.8
Copper (dissolved)	µg/l	0.5	ISO 17025		2.4	2.5	2.7	3.2	1	3.6	3.2	1.4	4.3
Lead (dissolved)	µg/l	0.2	ISO 17025	4.9	1	4.1	2	3.4	< 0.2	1	9.8	< 0.2	2.3
Magnesium (dissolved)	mg/l	0.005	ISO 17025		100	120	120	140	160	150	130	130	120
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.5	0.22	0.15	< 0.05	0.12	< 0.05	0.11	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		18	30	27	34	23	22	19	21	21
Selenium (dissolved)	µg/l	0.6	ISO 17025		8.2	< 4.0	2.5	2.7	1.8	2.7	2.9	2.6	5.6
Vanadium (dissolved)	µg/l	0.2	ISO 17025		0.7	< 1.7	0.6	0.5	1.5	0.9	1	0.5	0.5
Zinc (dissolved)	µg/l	0.5	ISO 17025		8.8	10	22	6.5	5.4	6.4	12	5.1	14

Monoaromatics

[illegible]

Petroleum Hydrocarbons

[illegible][illegible]

					Round 10	Round 11	Round 12	Round 13	Round 14	Round 15	Round 16	Round 17	Round 18
Lab Sample Number					854051	858019	863474	867577	872144	874116	883067	883317	887646
Sample Reference					BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A
Sample Number					EW2	EW1	EW2	EW2	EW2	EW2	EW2	EW2	EW2
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					08/11/2017	14/11/2017	22/11/2017	29/11/2017	06/12/2017	11/12/2017	20/12/2017	02/01/2018	11/01/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.1	7.3	7.1	7.1	7.1	7	6.9	7	6.9
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		45	28	36	29	17	20	18	9.5	8.9
Free Cyanide	µg/l	10	ISO 17025	10					< 10				
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		74700	68300	63000	61100	56400	55200	47900	289000	133000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	33600	36000	34000	31000	32000	36000	32000	38000	38000	39000
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		43.4	43.3	44.8	39.1	51.3	47.4	48	47.1	46.9
Hardness - Total	mgCaCO3/l	1	ISO 17025		1300	1410	1260	1190	1320	1120	1250	1450	1460

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	3.9	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.29	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.18	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.18	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.19	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.2	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.16	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.72	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.51	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.18	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.2	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.24	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.08	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.15	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.1	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.12	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	3.21	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		0.8	< 0.4	1	0.7	0.7	1.2	< 0.4	1.2	< 1.7
Arsenic (dissolved)	µg/l	0.15	ISO 17025		3.98	4.09	2.06	3.29	3.32	3.58	7.95	1.2	3.1
Barium (dissolved)	µg/l	0.06	ISO 17025		120	140	150	120	140	140	180	180	210
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.3
Boron (dissolved)	µg/l	10	ISO 17025		1000	930	930	890	970	860	980	950	1000
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	< 0.02	< 0.02	< 0.02	0.07	< 0.02	< 0.02	0.05	0.12	< 0.08
Calcium (dissolved)	mg/l	0.012	ISO 17025		340	390	360	320	370	280	320	390	410
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		2.3	1.3	< 1.0	1.4	1.3	1.2	1.5	1.3	1.3
Chromium (dissolved)	µg/l	0.2	ISO 17025		2.3	1.3	0.8	1.4	1.3	1.2	1.5	1.3	1.3
Copper (dissolved)	µg/l	0.5	ISO 17025		2.8	2.4	1.7	3.7	9.7	1.6	2.4	2.4	2.2
Lead (dissolved)	µg/l	0.2	ISO 17025	4.9	0.7	< 0.2	< 0.2	1.3	1.2	< 0.2	5.2	< 0.2	1.9
Magnesium (dissolved)	mg/l	0.005	ISO 17025		110	100	89	93	98	100	110	110	110
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	0.18	< 0.05	0.09	< 0.05	0.11	< 0.05	0.11	< 0.5
Nickel (dissolved)	µg/l	0.5	ISO 17025		18	16	17	16	20	15	17	22	21
Selenium (dissolved)	µg/l	0.6	ISO 17025		4.8	7.2	8.4	7.1	8.5	9.5	7.9	11	< 4.0
Vanadium (dissolved)	µg/l	0.2	ISO 17025		0.5	0.3	< 0.2	0.4	0.3	0.3	0.8	0.4	< 1.7
Zinc (dissolved)	µg/l	0.5	ISO 17025		8.3	6.2	3.3	5.5	8.1	8.4	9.8	2.4	10

Monoaromatics

[illegible]

Petroleum Hydrocarbons

[illegible][illegible]

					Round 19	Round 20	Round 21	Round 22	Round 23	Round 24	Round 25a	Round 26	Round 27
Lab Sample Number					892400	896613	898884	904443	908154	913201	922492	926352	931917
Sample Reference					BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A
Sample Number					EW2	EW2	EW2	EW2	EW2	EW2	EW2	None Supplied	2
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					19/01/2018	25/01/2018	30/01/2018	08/02/2018	13/02/2018	20/02/2018	08/03/2018	15/03/2018	22/03/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	AM
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditat ion Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7	7	7	7.1	7.1	7	7	7	7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 1.0	13	11	16	11	13	13	9.4	9.4
Free Cyanide	µg/l	10	ISO 17025	10									
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		105000	55100	60200	66800	60700	44500	51000	46300	46400
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	33600	54000	51000	49000	46000	50000	27000	28000	31000	18000
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		46.5	48.4	45.1	45.4	44.5	45.2	36.4	39.2	36.8
Hardness - Total	mgCaCO3/l	1	ISO 17025		1460	1370	1410	1350	1300	1470	1210	1340	1230

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	6.8	< 1.0	2.1	2	7.3	< 1.0
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Speciated PAHs

Napthalene	µg/l	0.01	ISO 17025	0.29	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 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	ISO 17025		< 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	ISO 17025	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	NONE		< 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	NONE		< 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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 1.7	< 1.7	< 1.7	4.4	0.6	< 0.4	0.5	< 0.4	1.4
Arsenic (dissolved)	µg/l	0.15	ISO 17025		5.3	8.5	22	23	2.97	3.74	3.23	6.35	3.38
Barium (dissolved)	µg/l	0.06	ISO 17025		200	410	210	250	260	220	130	100	150
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		1300	1000	1100	1200	1000	1000	760	780	680
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	< 0.08	< 0.08	< 0.08	< 0.08	0.02	< 0.02	< 0.02	< 0.02	0.06
Calcium (dissolved)	mg/l	0.012	ISO 17025		390	380	400	340	340	420	340	390	360
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	1.3	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		1.6	1.4	1.2	1.7	< 5.0	1.2	< 1.0	< 1.0	< 1.0
Chromium (dissolved)	µg/l	0.2	ISO 17025		1.6	1.4	1.2	1.7	1.3	1.2	0.9	1	0.9
Copper (dissolved)	µg/l	0.5	ISO 17025		7.7	1.8	5.2	6.2	1.7	1.1	2.2	0.8	1.5
Lead (dissolved)	µg/l	0.2	ISO 17025	4.9	5.2	1.3	1.7	5.7	1.2	< 0.2	0.2	< 0.2	0.8
Magnesium (dissolved)	mg/l	0.005	ISO 17025		120	100	100	120	110	99	87	89	78
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.05	0.22	0.06	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		46	21	22	25	21	14	16	11	15
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 4.0	< 4.0	< 4.0	< 4.0	5.7	4.7	15	15	11
Vanadium (dissolved)	µg/l	0.2	ISO 17025		2.3	< 1.7	< 1.7	11	0.3	0.3	< 0.2	0.2	0.3
Zinc (dissolved)	µg/l	0.5	ISO 17025		26	6.3	33	9.8	8.3	0.6	16	2.1	8.9

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 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	ISO 17025		< 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	NONE		< 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	NONE		< 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	NONE		< 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	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sum of TPH	µg/l	10	NONE	10	< 10	< 10	< 10	<10	<10	<10	< 10	< 10	< 10

					Round 28	Round 29	Round 30	Round 31	Round 32	Round 33	Round 34	Round 35	Round 36
Lab Sample Number					938277	946302	955649	963981	1906152	Not sampled	358665	362437	380228
Sample Reference					BH1A	BH1A	BH1A	BH1A	EN0975581/1 BH1A		BH1A	BH1A	BH1A
Sample Number					EW2	EW2	EW2	EW2	BH1A		BH1A	BH1A	None Supplied
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied
Date Sampled					06/04/2018	18/04/2018	03/05/2018	17/05/2018	31/07/2018	16/08/2018	30/08/2018	24/09/2018	19/12/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	11.00		None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditat ion Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7	7	7	7	7		6.9	7.2	6.9
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		9.6	9.9	16	17	28.5		21	20	27
Free Cyanide	µg/l	10	ISO 17025	10							< 5	<5	< 5
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	5				
Sulphate as SO ₄	µg/l	45	ISO 17025		52400	67900	694000	62500	132000		92000	84000	60000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	33600	23000	22000	7900	22000	23500		19526	20736	15737
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		32.3	36.1	24.4	39.6	31		98.7	99.3	84.7
Hardness - Total	mgCaCO3/l	1	ISO 17025		1240	1080	1360	948	1370		1270	1160	981

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	5.2	7.7	< 1.0	3.6		0.02	<10	< 10
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Speciated PAHs

Napthalene	µg/l	0.01	ISO 17025	0.29	< 0.01	< 0.01	< 0.01	< 0.01	0.01		0.01	0.01	0.03
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.01		< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.04		< 0.01	0.02	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.01		< 0.01	0.01	0.03
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.01		< 0.01	0.01	0.04
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.01		< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.11		0.01	0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.11		< 0.01	< 0.01	0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.03		< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.03		< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.04		< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.02		< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03		< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	0.02		< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	<0.01		< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	0.02		< 0.008	< 0.008	< 0.008

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	<0.5		0.02	0.06	0.11
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		0.6	0.7	0.7	0.5	1		< 5	< 5	< 5
Arsenic (dissolved)	µg/l	0.15	ISO 17025		3.35	2.25	2.83	4.99	15		< 5	17	11
Barium (dissolved)	µg/l	0.06	ISO 17025		210	170	110	190	250		289	284	121
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1	<10		< 3	< 3	< 3
Boron (dissolved)	µg/l	10	ISO 17025		590	540	850	660	720		1380	1110	888
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	0.13	0.75	< 0.02	< 0.02	0.1		< 0.4	< 0.4	< 0.4
Calcium (dissolved)	mg/l	0.012	ISO 17025		370	300	440	250	403		366	345	269
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	<3		< 20	< 20	< 20
Chromium (III)	µg/l	1	NONE		< 1.0	1.2	< 1.0	< 1.0	<1				
Chromium (dissolved)	µg/l	0.2	ISO 17025		0.9	1.2	0.5	1	<1		< 5	< 5	< 5
Copper (dissolved)	µg/l	0.5	ISO 17025		1.9	14	3.1	1.5	<18		< 5	< 5	< 5
Lead (dissolved)	µg/l	0.2	ISO 17025	4.9	0.4	2.1	1.6	< 0.2	<1		< 5	< 5	< 5
Magnesium (dissolved)	mg/l	0.005	ISO 17025		77	78	65	78	88		85.9	72	74.8
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.05	< 0.05	< 0.05	<1		0.09	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		15	13	5.9	15			12	12	10
Selenium (dissolved)	µg/l	0.6	ISO 17025		7.2	7.5	2.8	8.5	<1		< 5	< 5	< 5
Vanadium (dissolved)	µg/l	0.2	ISO 17025		0.3	0.6	0.5	< 0.2	<1		< 5	< 5	< 5
Zinc (dissolved)	µg/l	0.5	ISO 17025		8.1	22	21	4.4	4		< 2	< 2	< 2

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	<1		< 1	< 1	< 1
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 5	< 5	< 5
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 5	< 5	< 5
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 10	< 10	< 10
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 5	< 5	< 5
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<5		< 10	< 10	< 10

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	<10		< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	<10		< 10	< 10	89
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	<10		< 10	< 10	210
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	29		< 10	< 10	46
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	40		< 70	< 70	345

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	10		< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	10		< 10	< 10	26
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	10		< 10	< 10	70
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	16		< 10	< 10	10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	36		< 70	< 70	106
Sum of TPH	µg/l	10	NONE	10	< 10	< 10	< 10	< 10	36		< 140	< 140	451

					Round 37	Round 38	Round 39	Round 40	Round 41	Round 42	Round 43	Round 44	Round 45
Lab Sample Number					386524	393596	399599	405580	411487	418869	423309	432366	439329
Sample Reference					BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A	BH1A
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					29/01/2019	27/02/2019	01/04/2019	30/04/2019	24/05/2019	27/06/2019	22/07/2019	30/08/2019	02/10/2019
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.5	7	7.1	6.7	7.4	7.4	7.4	7.6	7.1
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		28	25	25	30	29	62	88	67	131
Free Cyanide	µg/l	10	ISO 17025	10	< 5	< 5	<5	< 5	< 5	< 5	< 5	< 5	< 5
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10									
Sulphate as SO ₄	µg/l	45	ISO 17025		63000	57000	60000	61000	56000	31000	95000	49000	237000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	33600	14632	16956	9632	6895	12368	14789	<50	56316	25579
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		72.8	94.1	79.4	92.7	58.7	26.3	28.2	51.2	52.3
Hardness - Total	mgCaCO ₃ /l	1	ISO 17025		1090	1340	1140	1290	1200	1300	1450	2160	1360

Total Phenols

[illegible]

Speciated PAHs

[illegible]

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		0.05	0.02	0.2	0.16	0.07	0.2	0.25	0.29	0.24
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Arsenic (dissolved)	µg/l	0.15	ISO 17025		< 5	< 5	< 5	7	< 5	10	6	7	< 5
Barium (dissolved)	µg/l	0.06	ISO 17025		170	216	169	183	212	196	203	211	185
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Boron (dissolved)	µg/l	10	ISO 17025		804	872	841	714	849	862	1690	< 5	1120
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium (dissolved)	mg/l	0.012	ISO 17025		305	418	319	369	341	386	415	698	409
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 20	<20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Chromium (III)	µg/l	1	NONE										
Chromium (dissolved)	µg/l	0.2	ISO 17025		< 5	<5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Copper (dissolved)	µg/l	0.5	ISO 17025		< 5	<5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Lead (dissolved)	µg/l	0.2	ISO 17025	4.9	< 5	<5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Magnesium (dissolved)	mg/l	0.005	ISO 17025		78.9	70.9	84.5	88.9	84.1	80.5	101	101	81.4
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.08
Nickel (dissolved)	µg/l	0.5	ISO 17025		20	8	11	11	11	11	11	16	13
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 5	<5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 5	<5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Zinc (dissolved)	µg/l	0.5	ISO 17025		15	<5	< 2	5	< 2	< 2	3	3	13

Monoaromatics

[illegible]

Petroleum Hydrocarbons

[illegible][illegible]

					Round 46	Round 47	Round 48
Lab Sample Number					445294	43798	Not sampled
Sample Reference					BH1A	BH1A	
Sample Number					None Supplied	None Supplied	
Depth (m)					None Supplied	None Supplied	
Date Sampled					30/10/2019	29/11/2019	
Time Taken					None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditat ion Status	Trigger levels			

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7	6.9	
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		138	186	
Free Cyanide	µg/l	10	ISO 17025	10	< 5	< 5	
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10			
Sulphate as SO ₄	µg/l	45	ISO 17025		648000	706000	
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	33600	18736	21684	
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		86.6	76.9	
Hardness - Total	mgCaCO3/l	1	ISO 17025		1300	1270	

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 10	< 10	
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.29	0.04	0.01	
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Acenaphthene	µg/l	0.01	ISO 17025		0.14	0.17	
Fluorene	µg/l	0.01	ISO 17025		0.09	0.11	
Phenanthrene	µg/l	0.01	ISO 17025		0.03	0.02	
Anthracene	µg/l	0.01	ISO 17025		0.02	0.03	
Fluoranthene	µg/l	0.01	ISO 17025		0.04	0.08	
Pyrene	µg/l	0.01	ISO 17025		0.03	0.05	
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.008	< 0.008	

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		0.39	0.47	
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 5	< 5	
Arsenic (dissolved)	µg/l	0.15	ISO 17025		9	10	
Barium (dissolved)	µg/l	0.06	ISO 17025		173	171	
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 3	< 3	
Boron (dissolved)	µg/l	10	ISO 17025		970	882	
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	< 0.4	< 0.4	
Calcium (dissolved)	mg/l	0.012	ISO 17025		382	353	
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 20	< 20	
Chromium (III)	µg/l	1	NONE				
Chromium (dissolved)	µg/l	0.2	ISO 17025		< 5	< 5	
Copper (dissolved)	µg/l	0.5	ISO 17025		< 5	< 5	
Lead (dissolved)	µg/l	0.2	ISO 17025	4.9	< 5	< 5	
Magnesium (dissolved)	mg/l	0.005	ISO 17025		83.9	93.3	
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	0.25	0.33	
Nickel (dissolved)	µg/l	0.5	ISO 17025		18	13	
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 5	< 5	
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 5	< 5	
Zinc (dissolved)	µg/l	0.5	ISO 17025		< 2	5	

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1	< 1	
Toluene	µg/l	1	ISO 17025		< 5	< 5	
Ethylbenzene	µg/l	1	ISO 17025		< 5	< 5	
p & m-xylene	µg/l	1	ISO 17025		< 10	< 10	
o-xylene	µg/l	1	ISO 17025		< 5	< 5	
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 10	< 10	

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 70	< 70	

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 70	< 70	
Sum of TPH	µg/l	10	NONE	10	< 140	< 140	

					Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9
Lab Sample Number					No groundwater	No groundwater	No groundwater	No groundwater	No groundwater	No groundwater	No groundwater	No groundwater	No groundwater
Sample Reference													
Sample Number													
Depth (m)													
Date Sampled													
Time Taken													
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditat ion Status										

General Inorganics

[illegible]

Total Phenols

[illegible]

Speciated PAHs

[illegible]

Total PAH

[illegible]

Heavy Metals / Metalloids

[illegible]

Monoaromatics

[illegible]

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE									
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE									
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE									
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE									
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE									
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE									
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE									
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE									

[illegible]

						Round 10	Round 11	Round 12	Round 13	Round 14	Round 15	Round 16	Round 17	Round 18
Lab Sample Number						No groundwater	No groundwater	No groundwater	No groundwater	No groundwater	No groundwater	No groundwater	No groundwater	No groundwater
Sample Reference														
Sample Number														
Depth (m)														
Date Sampled														
Time Taken														
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status											

General Inorganics

[illegible]

Total Phenols

[illegible]

Speciated PAHs

[illegible]

Total PAH

[illegible]

Heavy Metals / Metalloids

[illegible]

Monoaromatics

[illegible]

Petroleum Hydrocarbons

[illegible][illegible]

					Round 19	Round 20	Round 21	Round 22	Round 23	Round 24	Round 25a	Round 26	Round 27
Lab Sample Number					892403	896617	898884	904447	908158	913205	922496	926356	931921
Sample Reference					BH1B	BH1B	BH1A	BH1B	BH1B	BH1B	BH1B	BH1B	BH1B
Sample Number					EW5	EW6	EW2	EW6	EW6	EW6	EW6	None Supplied	6
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					19/01/2018	29/01/2018	30/01/2018	08/02/2018	13/02/2018	20/02/2018	08/03/2018	15/03/2018	22/03/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	AM
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditat ion Status										

General Inorganics

pH	pH Units	N/A	ISO 17025	Water believed to be infiltrating from surface	7.3	7.3	7.4	7.7	7.5	7.5	7.5	7.7	7.4
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		31	34	42	44	39	41	43	22	33
Free Cyanide	µg/l	10	ISO 17025										
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		502000	169000	214000	198000	248000	263000	360000	163000	237000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025		39	23	38	26	35	790	15	19	< 15
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		8.39	15	10.5	9.77	8.49	8.32	9.7	11.7	12
Hardness - Total	mgCaCO ₃ /l	1	ISO 17025		720	307	385	391	473	450	662	336	434

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	6.5	< 1.0	1.2	3.8	6.7	9.6
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 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	ISO 17025		< 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	ISO 17025		< 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	NONE		< 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	NONE		< 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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 1.7	4.2	< 1.7	1.8	0.6	< 0.4	0.9	0.5	1.2
Arsenic (dissolved)	µg/l	0.15	ISO 17025		4.9	1.9	1.2	1.3	0.48	0.35	0.57	0.53	0.61
Barium (dissolved)	µg/l	0.06	ISO 17025		64	79	36	33	23	43	26	16	35
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		300	200	270	300	300	280	280	210	280
Cadmium (dissolved)	µg/l	0.02	ISO 17025		< 0.08	< 0.08	< 0.08	< 0.08	0.04	< 0.02	0.02	0.08	0.11
Calcium (dissolved)	mg/l	0.012	ISO 17025		190	91	110	110	130	120	180	110	120
Chromium (hexavalent)	µg/l	5	ISO 17025		< 5.0	< 5.0	< 5.0	< 5.0	0.7	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		< 1.0	3.5	< 1.0	2.7	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (dissolved)	µg/l	0.2	ISO 17025		0.6	3.5	0.7	2.7	< 1.0	0.4	0.2	0.6	0.5
Copper (dissolved)	µg/l	0.5	ISO 17025		15	11	12	12	6	7.4	5.4	4.4	7.9
Lead	µg/l	0.2	ISO 17025		3.4	1.9	1.7	3.3	2.9	1.2	< 0.2	< 0.2	0.3
Magnesium (dissolved)	mg/l	0.005	ISO 17025		62	19	27	31	37	36	55	18	34
Mercury (dissolved)	µg/l	0.05	ISO 17025		< 0.5	< 0.5	< 0.5	< 0.5	0.2	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		2.8	4.7	2.7	2.6	2	1.6	4.3	1.8	7.7
Selenium (dissolved)	µg/l	0.6	ISO 17025		39	< 4.0	13	< 4.0	6.6	8.8	11	3.2	6.5
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 1.7	4.1	< 1.7	8.4	1.1	0.4	2.5	1.1	0.7
Zinc (dissolved)	µg/l	0.5	ISO 17025		38	15	32	5.3	3.6	3.1	7.8	4.5	6.3

Monoaromatics

Benzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 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	ISO 17025		< 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	NONE		< 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	NONE		< 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	NONE		< 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	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sum of TPH	µg/l	10	NONE		<10	< 10	< 10	<10	<10	<10	< 10	< 10	< 10

					Round 28	Round 29	Round 30	Round 31	Round 32	Round 33	Round 34	Round 35	Round 36
Lab Sample Number					938281	946306	955653	963985	Borehole dry	Borehole dry	Borehole dry	Borehole dry	Borehole dry
Sample Reference					BH1B	BH1B	BH1B	BH1B	Not sampled	Not sampled	Not sampled	Not sampled	Not sampled
Sample Number					EW6	EW6	EW6	EW6					
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied					
Date Sampled					06/04/2018	18/04/2018	03/05/2018	17/05/2018					
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied					
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditat ion Status										

General Inorganics

pH	pH Units	N/A	ISO 17025	Water believed to be infiltrating from surface	7.4	7.4	7.4	7.3					
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		15	17	27	46					
Free Cyanide	µg/l	10	ISO 17025										
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 1	< 1	< 1	< 1					
Sulphate as SO ₄	µg/l	45	ISO 17025		148000	177000	251000	302000					
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025		82	< 15	80	210					
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		11.4	10.5	8.9	9.19					
Hardness - Total	mgCaCO3/l	1	ISO 17025		311	359	449	530					

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025		< 1.0	2.2	<1.0	1.9					
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Benzo(a)pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01					
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01					
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01					

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16					
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		0.6	0.5	0.6	0.7					
Arsenic (dissolved)	µg/l	0.15	ISO 17025		0.47	0.66	0.45	0.6					
Barium (dissolved)	µg/l	0.06	ISO 17025		34	38	35	45					
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1					
Boron (dissolved)	µg/l	10	ISO 17025		220	270	340	380					
Cadmium (dissolved)	µg/l	0.02	ISO 17025		0.13	0.03	0.04	0.22					
Calcium (dissolved)	mg/l	0.012	ISO 17025		90	98	110	130					
Chromium (hexavalent)	µg/l	5	ISO 17025		< 5.0	< 5.0	< 5.0	< 5.0					
Chromium (III)	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
Chromium (dissolved)	µg/l	0.2	ISO 17025		0.3	0.5	0.2	0.6					
Copper (dissolved)	µg/l	0.5	ISO 17025		6.8	6.8	5.3	7.1					
Lead	µg/l	0.2	ISO 17025		0.9	1.2	< 0.2	0.4					
Magnesium (dissolved)	mg/l	0.005	ISO 17025		21	28	45	49					
Mercury (dissolved)	µg/l	0.05	ISO 17025		< 0.05	< 0.05	< 0.05	< 0.05					
Nickel (dissolved)	µg/l	0.5	ISO 17025		2.5	2.3	2.7	3.6					
Selenium (dissolved)	µg/l	0.6	ISO 17025		2.4	2.8	3.7	4.2					
Vanadium (dissolved)	µg/l	0.2	ISO 17025		0.8	1.3	1.2	1.7					
Zinc (dissolved)	µg/l	0.5	ISO 17025		7.7	4.3	4.7	9.7					

Monoaromatics

Benzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 1.0	< 1.0					
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10					

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 1.0	< 1.0					
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10					
Sum of TPH	µg/l	10	NONE		< 10	< 10	< 10	< 10					

					Round 37	Round 38	Round 39	Round 40	Round 41	Round 42	Round 43	Round 44	Round 45
Lab Sample Number					386525	393596	399600	405581	411488	418870	423310	Borehole dry	Borehole dry
Sample Reference					BH1B	BH1B	BH1B	BH1B	BH1B	BH1B	BH1B	Not sampled	Not sampled
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Date Sampled					29/01/2019	27/02/2019	01/04/2019	30/04/2019	24/05/2019	27/06/2019	22/07/2019		
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status										

General Inorganics

pH	pH Units	N/A	ISO 17025	Water believed to be infiltrating from surface	7.5	7.4	7.5	6.7	7.6	7.6	7.5		
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		57	180	211	239	98	135	<5		
Free Cyanide	µg/l	10	ISO 17025		< 5	< 6	< 5	< 5	< 5	< 5	< 5		
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025										
Sulphate as SO ₄	µg/l	45	ISO 17025		983000	1590000	1410000	1400000	1400000	1610000	1510000		
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025		243	38	<50	80	296	< 50	84.7		
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		81.2	35.3	76.9	21.8	69.9	34.5	20.1		
Hardness - Total	mgCaCO3/l	1	ISO 17025		2380	3900	3030	3590	2520	2530	2780		

Total Phenols

[illegible]

Speciated PAHs

[illegible]

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.01	< 0.01	0.02	0.01	< 0.01	0.04	<0.01		
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 5	< 5	< 5	< 5	< 5	< 5	< 5		
Arsenic (dissolved)	µg/l	0.15	ISO 17025		< 5	< 5	< 5	7	10	6	6		
Barium (dissolved)	µg/l	0.06	ISO 17025		76	93	86	130	107	105	107		
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 3	< 3	< 3	< 3	< 3	< 3	< 3		
Boron (dissolved)	µg/l	10	ISO 17025		2360	3020	3130	2460	2490	2240	3030		
Cadmium (dissolved)	µg/l	0.02	ISO 17025		4.1	4	1.4	4.9	6.3	8.6	5.8		
Calcium (dissolved)	mg/l	0.012	ISO 17025		698	1240	881	1120	726	763	840		
Chromium (hexavalent)	µg/l	5	ISO 17025		< 20	<20	< 20	< 20	< 20	< 20	< 20		
Chromium (III)	µg/l	1	NONE										
Chromium (dissolved)	µg/l	0.2	ISO 17025		6	<5	< 5	< 5	< 5	< 5	7		
Copper (dissolved)	µg/l	0.5	ISO 17025		12	19	14	16	21	45	27		
Lead	µg/l	0.2	ISO 17025		< 5	<5	< 5	< 5	< 5	< 5	< 5		
Magnesium (dissolved)	mg/l	0.005	ISO 17025		154	197	201	192	171	151			
Mercury (dissolved)	µg/l	0.05	ISO 17025		< 0.05	< 0.05	< 0.05	0.3	0.21	< 0.05	<0.05		
Nickel (dissolved)	µg/l	0.5	ISO 17025		18	13	14	17	20	22	27		
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 5	5	9	< 5	< 5	5	< 5		
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 5	< 5	< 5	< 5	< 5	7	<5		
Zinc (dissolved)	µg/l	0.5	ISO 17025		35	31	27	79	99	80	74		

Monoaromatics

[illegible]

Petroleum Hydrocarbons

[illegible][illegible]

					Round 46	Round 47	Round 48
Lab Sample Number					Borehole dry	Borehole dry	Not sampled
Sample Reference					Not sampled	Not sampled	
Sample Number							
Depth (m)							
Date Sampled							
Time Taken							
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditat ion Status				

General Inorganics

pH	pH Units	N/A	ISO 17025	Water believed to be infiltrating from surface			
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025				
Free Cyanide	µg/l	10	ISO 17025				
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025				
Sulphate as SO ₄	µg/l	45	ISO 17025				
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025				
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE				
Hardness - Total	mgCaCO3/l	1	ISO 17025				

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025				
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025				
Acenaphthylene	µg/l	0.01	ISO 17025				
Acenaphthene	µg/l	0.01	ISO 17025				
Fluorene	µg/l	0.01	ISO 17025				
Phenanthrene	µg/l	0.01	ISO 17025				
Anthracene	µg/l	0.01	ISO 17025				
Fluoranthene	µg/l	0.01	ISO 17025				
Pyrene	µg/l	0.01	ISO 17025				
Benzo(a)anthracene	µg/l	0.01	ISO 17025				
Chrysene	µg/l	0.01	ISO 17025				
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025				
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025				
Benzo(a)pyrene	µg/l	0.01	ISO 17025				
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE				
Dibenz(a,h)anthracene	µg/l	0.01	NONE				
Benzo(ghi)perylene	µg/l	0.01	NONE				

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE				
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025				
Arsenic (dissolved)	µg/l	0.15	ISO 17025				
Barium (dissolved)	µg/l	0.06	ISO 17025				
Beryllium (dissolved)	µg/l	0.1	ISO 17025				
Boron (dissolved)	µg/l	10	ISO 17025				
Cadmium (dissolved)	µg/l	0.02	ISO 17025				
Calcium (dissolved)	mg/l	0.012	ISO 17025				
Chromium (hexavalent)	µg/l	5	ISO 17025				
Chromium (III)	µg/l	1	NONE				
Chromium (dissolved)	µg/l	0.2	ISO 17025				
Copper (dissolved)	µg/l	0.5	ISO 17025				
Lead	µg/l	0.2	ISO 17025				
Magnesium (dissolved)	mg/l	0.005	ISO 17025				
Mercury (dissolved)	µg/l	0.05	ISO 17025				
Nickel (dissolved)	µg/l	0.5	ISO 17025				
Selenium (dissolved)	µg/l	0.6	ISO 17025				
Vanadium (dissolved)	µg/l	0.2	ISO 17025				
Zinc (dissolved)	µg/l	0.5	ISO 17025				

Monoaromatics

Benzene	µg/l	1	ISO 17025				
Toluene	µg/l	1	ISO 17025				
Ethylbenzene	µg/l	1	ISO 17025				
p & m-xylene	µg/l	1	ISO 17025				
o-xylene	µg/l	1	ISO 17025				
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025				

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE				
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE				
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE				
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE				
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE				
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE				
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE				
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE				

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE				
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE				
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE				
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE				
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE				
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE				
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE				
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE				
Sum of TPH	µg/l	10	NONE				

					Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9
Lab Sample Number					759434	774324	796159	Fault -interface probe did not note presence of water - assumed dry	818237	821821	827577	831699	850615
Sample Reference					BH2A	BH2A	BH2A		BH2A	BH2A	BH2A	BH2A	BH2A
Sample Number					None Supplied	None Supplied	EW1		EW1	None Supplied	None Supplied	EW3	EW3
Depth (m)					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					02/06/2017	27/06/2017	07/08/2017		14/09/2017	20/09/2017	29/09/2017	05/10/2017	02/11/2017
Time Taken					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.3	7.1	7		7.1	7.4	7.1	7	7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0	2.7	1.5	1.2	2.2
Free Cyanide	µg/l	10	ISO 17025	10	< 10	< 10	< 10						
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10			< 1		< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		865000	980000	604000		626000	592000	612000	605000	540000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	18000	15000	14000	18000		16000	17000	17000	15000	1500
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		39.6	66.6	85.7		84.2	78.5	87.8	81.7	82.1
Hardness - Total	mgCaCO3/l	1	ISO 17025		1380	1570	1350		1360	1410	1310	1430	1430

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	< 1.0	1.9		3.7	< 1.0	< 1.0	< 1.0	3.7
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	1	< 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	NONE		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		2.5	< 1.7	0.9		1.1	1.2	1	1	1.5
Arsenic (dissolved)	µg/l	0.15	ISO 17025		7.8	8.5	3.43		10.3	13.7	9.31	7.66	17.2
Barium (dissolved)	µg/l	0.06	ISO 17025		170	150	170		180	150	140	130	140
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.2	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		1700	1800	2000		2000	2100	2100	1900	1800
Cadmium (dissolved)	µg/l	0.02	ISO 17025	7.2	0.32	6	0.11		0.09	0.17	0.04	0.36	0.96
Calcium (dissolved)	mg/l	0.012	ISO 17025		420	500	400		390	450	390	420	440
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		3.3	1.2	2.1		2.2	2.5	2.2	2.1	2.5
Chromium (dissolved)	µg/l	0.2	ISO 17025		3.3	1.2	2.1		2.2	2.5	2.2	2.1	2.5
Copper (dissolved)	µg/l	0.5	ISO 17025		13	49	3.4		2.5	4.1	3	3.8	8.6
Lead (dissolved)	µg/l	0.2	ISO 17025	13.2	11	5.1	6.4		0.6	4.4	2.4	0.3	5.7
Magnesium (dissolved)	mg/l	0.005	ISO 17025		78	81	84		92	71	82	92	80
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.5	0.06		< 0.05	0.08	< 0.05	0.08	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		33	52	31		47	41	32	46	44
Selenium (dissolved)	µg/l	0.6	ISO 17025		5.7	< 4.0	3.7		4	4.2	4.2	3.3	6.6
Vanadium (dissolved)	µg/l	0.2	ISO 17025		3	< 1.7	1.7		0.9	1.4	0.9	0.6	1.5
Zinc (dissolved)	µg/l	0.5	ISO 17025		26	39	9.1		6.8	6.8	6.4	15	20

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 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	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10		< 10	40	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10		< 10	170	< 10	270	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10		< 10	80	< 10	340	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10		< 10	290	< 10	610	< 10
Sum of TPH	µg/l	10	NONE	10	<10	<10	<10		<10	290	<10	610	< 10

					Round 10	Round 11	Round 12	Round 13	Round 14	Round 15	Round 16	Round 17	Round 18
Lab Sample Number					854052	858023	863476	867582	872148	877118	883071	883321	887650
Sample Reference					BH2A	BH2A	BH2A	BH2A	BH2A	BH2A	BH2A	BH2A	BH2A
Sample Number					EW3	EW5	EW4	EW7	EW6	EW8	EW6	EW6	EW6
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					08/11/2017	14/11/2017	22/11/2017	29/11/2017	06/12/2017	14/12/2017	20/12/2017	02/01/2018	11/01/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger level									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.1	7.1	7.1	7.1	7	7	7.1	7.1	7.1
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		8.4	< 1.0	82	< 1.0	< 1.0	< 1.0	< 1.0	4.4	< 1.0
Free Cyanide	µg/l	10	ISO 17025	10					< 10				
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1		< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		500000	543000	630000	753000	739000	764000	653000	680000	650000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	18000	16000	16000	820	14000	13000	16000	16000	7700	9900
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		76.3	75.2	50.5	74.8	76.4	81.2	76.6	38.4	44.2
Hardness - Total	mgCaCO ₃ /l	1	ISO 17025		1460	1360	1100	1430	1540	1550	1470	1120	1320

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	2.1	5.2	< 1.0	2.5	2.5	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

[illegible]**Total PAH**[illegible]

Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		1.6	1.5	9.1	0.8	1.1	1.3	1	3.7	< 1.7
Arsenic (dissolved)	µg/l	0.15	ISO 17025		7.36	7.4	4.78	5.24	4.95	5.96	7.05	2.1	13
Barium (dissolved)	µg/l	0.06	ISO 17025		94	120	72	84	110	110	140	110	130
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Boron (dissolved)	µg/l	10	ISO 17025		1700	1800	920	1700	1800	1800	1800	930	1100
Cadmium (dissolved)	µg/l	0.02	ISO 17025	7.2	< 0.02	0.14	4.4	0.68	0.11	0.15	0.37	2.9	< 0.08
Calcium (dissolved)	mg/l	0.012	ISO 17025		460	420	320	440	460	470	440	350	430
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		1.9	2.1	2.5	1.6	1.5	1.4	2.2	< 1.0	1.3
Chromium (dissolved)	µg/l	0.2	ISO 17025		1.9	2.1	2.5	1.6	1.5	1.4	2.2	0.8	1.3
Copper (dissolved)	µg/l	0.5	ISO 17025		1.7	1.4	20	9.4	5.1	2.1	3.8	5.6	2.8
Lead (dissolved)	µg/l	0.2	ISO 17025	13.2	0.3	0.5	3.4	0.6	0.4	0.3	3.2	0.7	1.9
Magnesium (dissolved)	mg/l	0.005	ISO 17025		76	76	76	80	96	89	94	59	60
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	0.07	0.1	< 0.05	< 0.05	0.12	< 0.05	< 0.05	< 0.5
Nickel (dissolved)	µg/l	0.5	ISO 17025		47	46	24	49	65	39	49	21	41
Selenium (dissolved)	µg/l	0.6	ISO 17025		7.4	8.2	5.4	5	7.8	6.2	8.3	4.3	< 4.0
Vanadium (dissolved)	µg/l	0.2	ISO 17025		0.6	0.6	4.2	1.6	0.5	0.5	0.9	0.5	< 1.7
Zinc (dissolved)	µg/l	0.5	ISO 17025		9.3	15	160	18	23	8.9	57	60	37

Monoaromatics

[illegible]

Petroleum Hydrocarbons

[illegible][illegible]

					Round 19	Round 20	Round 21	Round 22	Round 23	Round 24	Round 25a	Round 26	Round 27
Lab Sample Number					892408	896618	898889	904448	908159	913206	922497	926357	931922
Sample Reference					BH2A	BH2A	BH2A	BH2A	BH2A	BH2A	BH2A	BH2A	BH2A
Sample Number					EW10	EW7	EW7	EW7	EW7	EW7	EW7	None Supplied	7
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					19/01/2018	25/01/2018	30/01/2018	08/02/2018	13/02/2018	20/02/2018	08/03/2018	15/03/2018	22/03/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	PM
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7	6.9	7	7	7	7.1	7	7	7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 1.0	1.7	< 1.0	3.9	< 1.0	< 1.0	1.4	1.5	1.2
Free Cyanide	µg/l	10	ISO 17025	10									
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		661000	654000	824000	687000	738000	654000	547000	570000	655000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	18000	12000	7800	12000	13000	13000	16000	13000	14000	15000
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		52.5	41.5	46.6	47	55.7	55.9	61.4	58.8	64.1
Hardness - Total	mgCaCO3/l	1	ISO 17025		1550	1220	1490	1530	1690	1570	1520	1710	1580

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	2.6	< 1.0	< 1.0	6.8	< 1.0	1.2	4.8	7.6	19
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 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	ISO 17025		< 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	ISO 17025	1	< 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	NONE		< 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	NONE		< 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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 1.7	< 1.7	< 1.7	< 1.7	2.6	0.9	1	0.9	1.7
Arsenic (dissolved)	µg/l	0.15	ISO 17025		9.9	3.6	15	21	1.46	6.84	8.02	9.89	7.78
Barium (dissolved)	µg/l	0.06	ISO 17025		100	290	150	190	26	120	75	64	140
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		1500	900	1300	1300	1500	1400	1600	1700	1600
Cadmium (dissolved)	µg/l	0.02	ISO 17025	7.2	< 0.08	< 0.08	1.4	1.3	0.08	0.05	0.09	0.09	0.51
Calcium (dissolved)	mg/l	0.012	ISO 17025		480	380	490	470	510	530	460	540	490
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	1.5	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		1.4	1	< 1.0	2.3	< 5.0	1.5	1.5	1.3	2
Chromium (dissolved)	µg/l	0.2	ISO 17025		1.4	1	0.9	2.3	1.5	1.5	1.5	1.3	2
Copper (dissolved)	µg/l	0.5	ISO 17025		5	4.6	9.7	13	6.8	1.7	2.6	< 0.5	4
Lead (dissolved)	µg/l	0.2	ISO 17025	13.2	2.3	< 1.0	2.8	5.3	2.8	0.9	0.3	< 0.2	4.7
Magnesium (dissolved)	mg/l	0.005	ISO 17025		82	68	67	86	100	58	94	86	85
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.1	0.06	0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		53	35	59	54	2.8	43	48	31	47
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 4.0	< 4.0	< 4.0	< 4.0	1	6.7	17	19	15
Vanadium (dissolved)	µg/l	0.2	ISO 17025		2.7	< 1.7	< 1.7	10	1.5	0.5	0.4	0.5	1.1
Zinc (dissolved)	µg/l	0.5	ISO 17025		8.7	30	35	44	26	14	12	18	12

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 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	ISO 17025		< 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	NONE		< 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	NONE		< 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	NONE		< 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	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sum of TPH	µg/l	10	NONE	10	< 10	< 10	< 10	<10	<10	<10	< 10	< 10	< 10

					Round 28	Round 29	Round 30	Round 31	Round 32				Round 48
Lab Sample Number					938282	946307	955654	963986	Borehole dry	Borehole removed	Borehole redrilled		1398021
Sample Reference					BH2A	BH2A	BH2A	BH2A	Not sampled				BH2AR
Sample Number					EW7	EW7	EW7	EW7					S2
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied					None Supplied
Date Sampled					06/04/2018	18/04/2018	03/05/2018	17/05/2018					18/12/2019
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied					None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.1	9	7.4	7.4				7.2
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		1.1	25	9.9	71				3.6
Free Cyanide	µg/l	10	ISO 17025	10								
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1				< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		649000	932000	1210000	1210000				1350000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	18000	14000	9400	9200	8900				5789
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		51.3	46.9	40.8	40				79.2
Hardness - Total	mgCaCO3/l	1	ISO 17025		1570	807	1280	1310				2190

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	3.1	67	9.3	3.2				< 1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	0.66	< 0.01	< 0.01				< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	0.16	< 0.01	< 0.01				< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	1	< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01				< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	0.82	< 0.16	< 0.16				< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		1.8	3.9	2.2	2.1				1
Arsenic (dissolved)	µg/l	0.15	ISO 17025		5.85	9.9	7.19	4.74				7.44
Barium (dissolved)	µg/l	0.06	ISO 17025		150	92	300	220				78
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1				< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		1500	52	120	120				1300
Cadmium (dissolved)	µg/l	0.02	ISO 17025	7.2	0.2	0.29	0.07	0.12				0.9
Calcium (dissolved)	mg/l	0.012	ISO 17025		500	310	440	450				620
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0				< 5.0
Chromium (III)	µg/l	1	NONE		1.5	1.8	< 1.0	< 1.0				< 1.0
Chromium (dissolved)	µg/l	0.2	ISO 17025		1.5	1.8	0.3	0.7				0.9
Copper (dissolved)	µg/l	0.5	ISO 17025		2.2	27	5	5.6				6
Lead (dissolved)	µg/l	0.2	ISO 17025	13.2	0.4	8.2	7.1	12				4.4
Magnesium (dissolved)	mg/l	0.005	ISO 17025		77	6.9	43	44				160
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	0.16	0.15	0.09				< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		48	18	11	11				26
Selenium (dissolved)	µg/l	0.6	ISO 17025		10	14	20	22				17
Vanadium (dissolved)	µg/l	0.2	ISO 17025		0.7	15	2.8	2.9				0.9
Zinc (dissolved)	µg/l	0.5	ISO 17025		8.6	11	5.7	7.9				42

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10				< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10				< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10				< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10				< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10				< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0				< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10				< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10				< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10				< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10				< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10				< 10
Sum of TPH	µg/l	10	NONE	10	< 10	< 10	< 10	< 10				< 10

						Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9
Lab Sample Number						Limited groundwater - no sample	Limited groundwater - no sample	796162	806903	818239	Limited groundwater - no sample	827578	831701	850616
Sample Reference								BH2B	BH2B	BH2B		BH2B	BH2B	
Sample Number								EW1	EW1	EW1		None Supplied	EW5	EW4
Depth (m)								None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied
Date Sampled								07/08/2017	29/08/2017	14/09/2017		29/09/2017	05/10/2017	02/11/2017
Time Taken								None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)		Units	on	Limit of detect	Accreditation Status			Trigger levels						

General Inorganics

pH	pH Units	N/A	ISO 17025				6.9	7.1	6.8		6.8	6.9	6.8
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025				12	< 1	35		41	67	35
Free Cyanide	µg/l	10	ISO 17025										
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025				4	< 1	< 1		< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025				815000	588000	311000		629000	586000	741000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025				2800	17000	6300		4800	6300	2300
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE				73.1	74.5	145		98.3	78.6	61.5
Hardness - Total	mgCaCO3/l	1	ISO 17025				1380	1400	1240		1250	1380	1270

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025				20	< 1.0	3.3		< 1.0	< 1.0	3.8
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE				< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE				< 0.16	< 0.16	< 0.16		< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025				2.1	1.2	4.3		10	5.6	5
Arsenic (dissolved)	µg/l	0.15	ISO 17025				30.4	7.54	9.19		8.56	5.68	8.89
Barium (dissolved)	µg/l	0.06	ISO 17025				98	130	54		100	55	100
Beryllium (dissolved)	µg/l	0.1	ISO 17025				< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025				790	2100	540		1600	1100	1000
Cadmium (dissolved)	µg/l	0.02	ISO 17025				4.1	0.16	1.1		5.6	0.35	4.5
Calcium (dissolved)	mg/l	0.012	ISO 17025				420	420	320		350	390	360
Chromium (hexavalent)	µg/l	5	ISO 17025				< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE				7.3	1.8	7.8		4.3	5.4	3.3
Chromium (dissolved)	µg/l	0.2	ISO 17025				7.3	1.8	7.8		4.3	5.4	3.3
Copper (dissolved)	µg/l	0.5	ISO 17025				180	2.8	48		51	16	31
Lead (dissolved)	µg/l	0.2	ISO 17025				20	1	11		4.6	4.6	12
Magnesium (dissolved)	mg/l	0.005	ISO 17025				80	84	110		90	97	87
Mercury (dissolved)	µg/l	0.05	ISO 17025				0.38	< 0.05	0.2		< 0.05	0.22	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025				42	43	56		43	44	35
Selenium (dissolved)	µg/l	0.6	ISO 17025				4.3	3.9	3.2		5.7	4.3	4.7
Vanadium (dissolved)	µg/l	0.2	ISO 17025				5.4	0.8	3.8		2.8	3.2	4.6
Zinc (dissolved)	µg/l	0.5	ISO 17025				98	8.1	64		490	390	290

Monoaromatics

Benzene	µg/l	1	ISO 17025				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE				< 10	< 10	< 10		< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE				< 10	< 10	< 10		< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE				< 10	< 10	< 10		< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE				< 10	< 10	< 10		< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE				< 10	< 10	< 10		< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE				< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE				< 10	< 10	< 10		< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE				< 10	< 10	< 10		< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE				< 10	< 10	< 10		< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE				< 10	< 10	< 10		< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE				< 10	< 10	< 10		< 10	< 10	< 10
Sum of TPH	µg/l	10	NONE				<10	<10	<10		<10	<10	<10

						Round 10	Round 11	Round 12	Round 13	Round 14	Round 15	Round 16	Round 17	Round 18
Lab Sample Number						854054	858021	Limited groundwater - no sample	867580	872146	877117	883069	883320	887649
Sample Reference						BH2B	BH2B		BH2B	BH2B	BH2B	BH2B	BH2B	BH2B
Sample Number						EW6	EW3		EW5	EW4	EW7	EW4	EW5	EW5
Depth (m)						None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled						08/11/2017	14/11/2017		29/11/2017	06/12/2017	14/12/2017	20/12/2017	02/01/2018	11/01/2018
Time Taken						None Supplied	None Supplied		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	on detect	Limit of	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025		7	6.9		7.2	7.1	7.1	7.2	7.1	7.1
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		75	60		59	45	18	17	14	5.2
Free Cyanide	µg/l	10	ISO 17025						< 10				
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 1	< 1		< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		676000	821000		645000	453000	567000	615000	916000	739000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025		3700	6400		440	250	610	540	690	1100
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		69.8	57.2		46.9	47.6	60.1	44.7	9.72	43.9
Hardness - Total	mgCaCO3/l	1	ISO 17025		1140	1250		1120	887	1180	1380	1700	1490

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025		3.3	5.9		1.6	2.5	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025		< 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	NONE		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		8.5	9.9		9	7	4.1	3.4	2.7	< 1.7
Arsenic (dissolved)	µg/l	0.15	ISO 17025		4.55	3.12		4.79	4.5	8.36	10.1	6.45	13
Barium (dissolved)	µg/l	0.06	ISO 17025		50	70		69	62	98	69	80	110
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1		< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.2
Boron (dissolved)	µg/l	10	ISO 17025		860	980		900	690	1100	1200	1400	1400
Cadmium (dissolved)	µg/l	0.02	ISO 17025		0.61	5		5	5.1	5.1	5.9	6	9
Calcium (dissolved)	mg/l	0.012	ISO 17025		330	370		320	260	330	370	440	390
Chromium (hexavalent)	µg/l	5	ISO 17025		< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		3.8	3		1.5	1.4	2.9	4.7	1.6	2.7
Chromium (dissolved)	µg/l	0.2	ISO 17025		3.8	3		1.5	1.4	2.9	4.7	1.6	2.7
Copper (dissolved)	µg/l	0.5	ISO 17025		19	25		23	36	37	48	44	35
Lead (dissolved)	µg/l	0.2	ISO 17025		4.2	1.3		0.9	0.6	8	9.8	2.2	1.4
Magnesium (dissolved)	mg/l	0.005	ISO 17025		79	77		79	59	90	110	140	130
Mercury (dissolved)	µg/l	0.05	ISO 17025		< 0.05	0.18		0.17	0.11	0.09	< 0.05	< 0.05	< 0.5
Nickel (dissolved)	µg/l	0.5	ISO 17025		43	35		20	16	19	17	22	21
Selenium (dissolved)	µg/l	0.6	ISO 17025		4.3	5.8		7.1	7.1	7.2	5.5	7.8	< 4.0
Vanadium (dissolved)	µg/l	0.2	ISO 17025		1.6	1.6		8	7.3	6.7	4.4	2.5	4.4
Zinc (dissolved)	µg/l	0.5	ISO 17025		130	180		120	130	86	100	76	140

Monoaromatics

Benzene	µg/l	1	ISO 17025		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 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	NONE		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10
Sum of TPH	µg/l	10	NONE		<10	<10		<10	<10	<10	<10	<10	<10

					Round 19	Round 20	Round 21	Round 22	Round 23	Round 24	Round 25a	Round 26	Round 27
Lab Sample Number					892404	896616	898887	904446	908157	913204	922495	926355	931920
Sample Reference					BH2B	BH2B	BH2B	BH2B	BH2B	BH2B	BH2B	BH2B	BH2B
Sample Number					EW6	EW5	EW5	EW5	EW5	EW5	EW5	None Supplied	5
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					19/01/2018	25/01/2018	30/01/2018	08/02/2018	13/02/2018	20/02/2018	08/03/2018	15/03/2018	22/03/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	AM
Analytical Parameter (Water Analysis)	Units	on of detect Limit	Accredi tation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025		7	7	6.9	6.9	7	7	7	7.7	7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 1.0	42	10	16	19	36	28	46	83
Free Cyanide	µg/l	10	ISO 17025										
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 1	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		548000	781000	686000	601000	1030000	1030000	934000	133000	1200000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025		530	470	990	1500	1200	1400	1100	1000	950
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		42	64	42.2	51.3	55.7	56.8	69.9	60.8	57.4
Hardness - Total	mgCaCO3/l	1	ISO 17025		1540	1380	1620	1460	1860	2320	2050	299	2010

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	6.9	< 1.0	1.2	3	7.3	11
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 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	ISO 17025		< 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	ISO 17025		< 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	NONE		< 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	NONE		< 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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 1.7	< 1.7	< 1.7	< 1.7	1.2	1.1	1.7	1.7	2.7
Arsenic (dissolved)	µg/l	0.15	ISO 17025		19	5.4	21	22	7.42	2.82	1.4	1.16	3.3
Barium (dissolved)	µg/l	0.06	ISO 17025		73	110	84	110	52	89	33	20	60
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.2	< 0.2	0.4	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		1600	1200	1300	1400	1400	1400	1400	83	1700
Cadmium (dissolved)	µg/l	0.02	ISO 17025		8	2.8	11	10	7.7	4.3	0.11	0.02	6.1
Calcium (dissolved)	mg/l	0.012	ISO 17025		420	380	460	380	500	600	560	92	570
Chromium (hexavalent)	µg/l	5	ISO 17025		< 5.0	< 5.0	< 5.0	< 5.0	3.2	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		1.2	< 1.0	2.1	2.6	< 5.0	1.4	< 1.0	< 1.0	1.3
Chromium (dissolved)	µg/l	0.2	ISO 17025		1.2	0.8	2.1	2.6	3.2	1.4	0.6	0.7	1.3
Copper (dissolved)	µg/l	0.5	ISO 17025		38	30	65	60	27	26	17	4.2	36
Lead (dissolved)	µg/l	0.2	ISO 17025		3.7	< 1.0	7.9	12	7.5	2.5	5.1	1.2	2
Magnesium (dissolved)	mg/l	0.005	ISO 17025		120	110	110	120	150	200	160	17	140
Mercury (dissolved)	µg/l	0.05	ISO 17025		< 0.5	< 0.5	< 0.5	< 0.5	0.44	0.05	< 0.05	< 0.05	0.06
Nickel (dissolved)	µg/l	0.5	ISO 17025		20	13	29	29	21	18	2.8	2	18
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 4.0	< 4.0	< 4.0	< 4.0	4.4	5.1	1.7	1.4	23
Vanadium (dissolved)	µg/l	0.2	ISO 17025		7.2	2.6	4	10	1.9	1.5	1.4	1.4	2.1
Zinc (dissolved)	µg/l	0.5	ISO 17025		110	61	210	200	140	75	150	20	93

Monoaromatics

Benzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 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	ISO 17025		< 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	NONE		< 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	NONE		< 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	NONE		< 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	NONE		< 1.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1.0
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	21	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	140	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	200	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	360	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 1.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1.0
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sum of TPH	µg/l	10	NONE		< 10	360	< 10	<10	<10	<10	< 10	< 10	< 10

					Round 28	Round 29	Round 30	Round 31	Round 32	Round 33	Round 34	Round 35	Round 36
Lab Sample Number					938280	946305	955652	963984	Borehole dry	Borehole dry	Borehole dry	Borehole dry	Borehole dry
Sample Reference					BH2B	BH2B	BH2B	BH2B	Not sampled	Not sampled	Not sampled	Not sampled	Not sampled
Sample Number					EW5	EW5	EW5	EW5					
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied					
Date Sampled					06/04/2018	18/04/2018	03/05/2018	17/05/2018					
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied					
Analytical Parameter (Water Analysis)	Units	Limit of detection	Limit of detection	Accreditation Status	Trigger levels								

General Inorganics

pH	pH Units	N/A	ISO 17025		7.2	7.2	7.1	7					
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		120	140	150	80					
Free Cyanide	µg/l	10	ISO 17025										
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 1	< 1	< 1	< 1					
Sulphate as SO ₄	µg/l	45	ISO 17025		1640000	1520000	1970000	1750000					
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025		< 15	240	97	1300					
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		48.1	56	42.8	47.7					
Hardness - Total	mgCaCO3/l	1	ISO 17025		2630	2620	3010	2580					

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025		< 1.0	6.1	4	1.1					
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Benzo(a)pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01					
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01					
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01					
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01					

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16					
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		3	2.1	1.7	2.1					
Arsenic (dissolved)	µg/l	0.15	ISO 17025		3.05	2.82	2.02	4.93					
Barium (dissolved)	µg/l	0.06	ISO 17025		99	76	64	110					
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1					
Boron (dissolved)	µg/l	10	ISO 17025		1200	1200	1500	1300					
Cadmium (dissolved)	µg/l	0.02	ISO 17025		10	6.8	5	4.3					
Calcium (dissolved)	mg/l	0.012	ISO 17025		800	770	910	780					
Chromium (hexavalent)	µg/l	5	ISO 17025		< 5.0	< 5.0	< 5.0	< 5.0					
Chromium (III)	µg/l	1	NONE		1	3.1	1.2	1.9					
Chromium (dissolved)	µg/l	0.2	ISO 17025		1	3.1	1.2	1.9					
Copper (dissolved)	µg/l	0.5	ISO 17025		37	37	28	38					
Lead (dissolved)	µg/l	0.2	ISO 17025		1.2	6.7	1.3	2.5					
Magnesium (dissolved)	mg/l	0.005	ISO 17025		150	170	180	150					
Mercury (dissolved)	µg/l	0.05	ISO 17025		< 0.05	< 0.05	< 0.05	0.09					
Nickel (dissolved)	µg/l	0.5	ISO 17025		26	19	16	26					
Selenium (dissolved)	µg/l	0.6	ISO 17025		42	21	19	11					
Vanadium (dissolved)	µg/l	0.2	ISO 17025		1.4	2.2	1.4	2.1					
Zinc (dissolved)	µg/l	0.5	ISO 17025		77	62	45	130					

Monoaromatics

Benzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0					

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10					

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 1.0	< 1.0	< 1.0	< 1.0					
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10					
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10					
Sum of TPH	µg/l	10	NONE		< 10	< 10	< 10	< 10					

						Round 46	Round 47	Round 48
Lab Sample Number						Borehole dry	Borehole dry	Not sampled
Sample Reference						Not sampled	Not sampled	
Sample Number								
Depth (m)								
Date Sampled								
Time Taken								
Analytical Parameter (Water Analysis)	Units	Limit of detecti on	Limit of statu s	Accredi tation Status	Trigger levels			

General Inorganics

pH	pH Units	N/A	ISO 17025				
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025				
Free Cyanide	µg/l	10	ISO 17025				
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025				
Sulphate as SO ₄	µg/l	45	ISO 17025				
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025				
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE				
Hardness - Total	mgCaCO3/l	1	ISO 17025				

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025				
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025				
Acenaphthylene	µg/l	0.01	ISO 17025				
Acenaphthene	µg/l	0.01	ISO 17025				
Fluorene	µg/l	0.01	ISO 17025				
Phenanthrene	µg/l	0.01	ISO 17025				
Anthracene	µg/l	0.01	ISO 17025				
Fluoranthene	µg/l	0.01	ISO 17025				
Pyrene	µg/l	0.01	ISO 17025				
Benzo(a)anthracene	µg/l	0.01	ISO 17025				
Chrysene	µg/l	0.01	ISO 17025				
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025				
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025				
Benzo(a)pyrene	µg/l	0.01	ISO 17025				
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE				
Dibenz(a,h)anthracene	µg/l	0.01	NONE				
Benzo(ghi)perylene	µg/l	0.01	NONE				

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE				
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025				
Arsenic (dissolved)	µg/l	0.15	ISO 17025				
Barium (dissolved)	µg/l	0.06	ISO 17025				
Beryllium (dissolved)	µg/l	0.1	ISO 17025				
Boron (dissolved)	µg/l	10	ISO 17025				
Cadmium (dissolved)	µg/l	0.02	ISO 17025				
Calcium (dissolved)	mg/l	0.012	ISO 17025				
Chromium (hexavalent)	µg/l	5	ISO 17025				
Chromium (III)	µg/l	1	NONE				
Chromium (dissolved)	µg/l	0.2	ISO 17025				
Copper (dissolved)	µg/l	0.5	ISO 17025				
Lead (dissolved)	µg/l	0.2	ISO 17025				
Magnesium (dissolved)	mg/l	0.005	ISO 17025				
Mercury (dissolved)	µg/l	0.05	ISO 17025				
Nickel (dissolved)	µg/l	0.5	ISO 17025				
Selenium (dissolved)	µg/l	0.6	ISO 17025				
Vanadium (dissolved)	µg/l	0.2	ISO 17025				
Zinc (dissolved)	µg/l	0.5	ISO 17025				

Monoaromatics

Benzene	µg/l	1	ISO 17025				
Toluene	µg/l	1	ISO 17025				
Ethylbenzene	µg/l	1	ISO 17025				
p & m-xylene	µg/l	1	ISO 17025				
o-xylene	µg/l	1	ISO 17025				
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025				

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE				
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE				
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE				
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE				
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE				
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE				
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE				
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE				

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE				
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE				
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE				
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE				
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE				
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE				
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE				
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE				
Sum of TPH	µg/l	10	NONE				

					Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9
Lab Sample Number					759435	774325	796157	806905	818238	821819	Groundwater too deep for low flow and well would not allow bailer	831697	850613
Sample Reference					BH3A	BH3A	BH3A	BH3A	BH3A	BH3A		BH3A	BH3A
Sample Number					None Supplied	None Supplied	EW1	EW3	EW1	None Supplied		EW1	EW1
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		None Supplied	None Supplied
Date Sampled					02/06/2017	27/06/2017	07/08/2017	29/08/2017	14/09/2017	20/09/2017		05/10/2017	02/11/2017
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7	7.2	7.9	7.1	7	7.3		7	7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		49	32	47	42	38	28		32	44
Free Cyanide	µg/l	10	ISO 17025	10	< 10	< 10							
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	1	< 1		< 1		< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		1560000	1530000	1510000	1640000	1400000	1070000		1010000	887000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	8280	1000	6900	790	1200	500	5800		4900	3500
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		36.9	40.2	40.5	35.7	35.3	31		31.7	30.8
Hardness - Total	mgCaCO3/l	1	ISO 17025		1710	1540	1740	1810	1620	1540		1550	1400

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	< 1.0	3.7	< 1.0	3.1	< 1.0		2	1.9
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16			< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		1.1	< 1.7	1.1	0.9	1	1.2		0.7	1
Arsenic (dissolved)	µg/l	0.15	ISO 17025		2.04	11	2.08	2.48	1.46	2.26		1.93	1.52
Barium (dissolved)	µg/l	0.06	ISO 17025		57	93	59	48	56	83		72	62
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		1100	820	1000	1100	950	860		880	860
Cadmium (dissolved)	µg/l	0.02	ISO 17025	1.7	1.4	1.1	0.43	0.37	0.33	0.34		0.05	1.6
Calcium (dissolved)	mg/l	0.012	ISO 17025		540	500	600	580	490	500		480	450
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
Chromium (dissolved)	µg/l	0.2	ISO 17025		0.7	0.4	0.6	0.9	0.3	0.7		0.2	0.3
Copper (dissolved)	µg/l	0.5	ISO 17025		5.2	8.5	8.3	6.7	8.4	9.2		2.5	9.7
Lead (dissolved)	µg/l	0.2	ISO 17025	4.4	1.9	3.7	1.2	4	0.9	4.2		0.4	0.5
Magnesium (dissolved)	mg/l	0.005	ISO 17025		89	71	61	86	92	68		85	67
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.5	0.08	< 0.05	< 0.05	< 0.05		< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		9.7	12	8.2	6.2	8	9.3		8.9	8
Selenium (dissolved)	µg/l	0.6	ISO 17025		9.6	< 4.0	1.8	1.7	1.5	2.2		1.6	2.4
Vanadium (dissolved)	µg/l	0.2	ISO 17025		0.8	4.1	0.3	0.6	0.4	0.5		0.5	0.3
Zinc (dissolved)	µg/l	0.5	ISO 17025		500	110	31	32	30	49		18	39

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 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	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10		84	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10		290	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10		160	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10		540	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10		30	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10		220	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10		20	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10		270	< 10
Sum of TPH	µg/l	10	NONE	10	<10	<10	<10	<10	<10	<10		810	<10

					Round 10	Round 11	Round 12	Round 13	Round 14	Round 15	Round 16	Round 17	Round 18
Lab Sample Number					854050	860758	863473	867576	872143	874115	883066	883316	887645
Sample Reference					BH3A	BH3A	BH3A	BH3A	BH3A	BH3A	BH3A	BH3A	BH3A
Sample Number					EW1	EW10	EW1	EW1	EW1	EW1	EW1	EW1	EW1
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					08/11/2017	15/11/2017	22/11/2017	29/11/2017	06/12/2017	11/12/2017	20/12/2017	02/01/2018	11/01/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7	7.1	7	6.9	6.9	7	6.9	7.1	7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		47	20	47	36	32	41	25	31	32
Free Cyanide	µg/l	10	ISO 17025	10					< 10				
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		929000	631000	908000	1050000	1020000	864000	686000	1020000	1050000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	8280	3300	9200	2400	3200	2900	1800	6200	2700	2300
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		26.3	29.8	28.2	28.4	31.4	31.8	27	28.5	27.3
Hardness - Total	mgCaCO3/l	1	ISO 17025		1380	1300	1340	1300	1510	1270	1230	1500	1590

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	8.5	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 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	ISO 17025		< 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	ISO 17025	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	NONE		< 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	NONE		< 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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		0.8	0.9	< 0.4	< 0.4	0.8	< 0.4	0.6	1	< 1.7
Arsenic (dissolved)	µg/l	0.15	ISO 17025		1.71	2.98	2.89	2.59	1.84	3.55	1.95	3.08	9.8
Barium (dissolved)	µg/l	0.06	ISO 17025		44	94	57	57	51	45	70	57	72
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2
Boron (dissolved)	µg/l	10	ISO 17025		760	770	840	810	960	860	770	920	880
Cadmium (dissolved)	µg/l	0.02	ISO 17025	1.7	0.16	0.93	0.3	0.12	0.14	0.15	0.69	0.14	< 0.08
Calcium (dissolved)	mg/l	0.012	ISO 17025		440	410	440	410	490	390	380	470	520
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (dissolved)	µg/l	0.2	ISO 17025		1.2	0.6	< 0.2	0.3	0.6	0.5	0.5	0.3	< 0.4
Copper (dissolved)	µg/l	0.5	ISO 17025		3.9	4.7	4.2	3.2	8.8	3.8	5.3	3.5	4.5
Lead (dissolved)	µg/l	0.2	ISO 17025	4.4	0.9	1.1	0.8	< 0.2	1.1	2	2.1	0.6	< 1.0
Magnesium (dissolved)	mg/l	0.005	ISO 17025		68	64	60	67	71	70	70	77	71
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5
Nickel (dissolved)	µg/l	0.5	ISO 17025		7.4	10	6.6	7.3	13	5.6	8.1	6.4	8.1
Selenium (dissolved)	µg/l	0.6	ISO 17025		2.1	2.4	2.1	2.5	2.6	2.6	2.7	3	< 4.0
Vanadium (dissolved)	µg/l	0.2	ISO 17025		0.4	0.4	< 0.2	< 0.2	< 0.2	0.4	0.4	0.3	< 1.7
Zinc (dissolved)	µg/l	0.5	ISO 17025		35	40	53	46	33	20	62	35	31

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 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	ISO 17025		< 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	NONE		< 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	NONE		< 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	NONE		< 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	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sum of TPH	µg/l	10	NONE	10	<10	<10	<10	<10	< 10	< 10	< 10	< 10	<10

					Round 19	Round 20	Round 21	Round 22	Round 23	Round 24	Round 25a	Round 26	Round 27
Lab Sample Number					892399	896612	898883	904442	908153	913200	922491	926351	931916
Sample Reference					BH3A	BH3A	BH3A	BH3A	BH3A	BH3A	BH3A	BH3A	BH3A
Sample Number					EW1	EW1	EW1	EW1	EW1	EW1	EW1	None Supplied	1
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					19/01/2018	25/01/2018	30/01/2018	08/02/2018	13/02/2018	20/02/2018	08/03/2018	15/03/2018	22/03/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	AM
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	6.9	6.9	6.9	6.9	7	7	6.9	6.9	6.9
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		14	31	32	31	28	31	28	24	21
Free Cyanide	µg/l	10	ISO 17025	10									
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		914000	843000	976000	737000	920000	982000	692000	795000	645000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	8280	2700	3500	2600	3100	3000	2200	2900	43	7800
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		27.8	27.7	27.1	24.4	26	28.3	25.9	26.3	29.5
Hardness - Total	mgCaCO3/l	1	ISO 17025		1510	1370	1580	1340	1500	1630	1400	1490	1300

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	5.8	< 1.0	2.6	3.2	7.3	1
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 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	ISO 17025		< 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	ISO 17025	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	NONE		< 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	NONE		< 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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 1.7	< 1.7	< 1.7	< 1.7	0.8	0.7	0.8	< 0.4	2.1
Arsenic (dissolved)	µg/l	0.15	ISO 17025		4.9	5.6	4.5	12	3.61	3.06	3.84	2.58	2.24
Barium (dissolved)	µg/l	0.06	ISO 17025		65	130	62	78	36	60	44	29	75
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		990	770	900	960	860	910	880	950	940
Cadmium (dissolved)	µg/l	0.02	ISO 17025	1.7	< 0.08	< 0.08	< 0.08	0.21	0.24	0.11	0.24	0.12	0.13
Calcium (dissolved)	mg/l	0.012	ISO 17025		490	430	500	410	480	550	450	470	430
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	< 0.4	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (dissolved)	µg/l	0.2	ISO 17025		< 0.4	0.4	< 0.4	< 0.4	< 1.0	0.3	0.3	0.2	0.6
Copper (dissolved)	µg/l	0.5	ISO 17025		8.9	2.1	5.8	7.6	4.1	3.6	7.3	< 0.5	3.6
Lead (dissolved)	µg/l	0.2	ISO 17025	4.4	< 1.0	1.1	2	< 1.0	0.7	0.8	0.3	< 0.2	1.3
Magnesium (dissolved)	mg/l	0.005	ISO 17025		70	70	80	81	74	64	66	74	57
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.15	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		8.7	6.9	8.7	8.9	7.5	6.1	9.2	5.6	8.8
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 4.0	< 4.0	< 4.0	< 4.0	2	2.3	4.5	4.5	3.8
Vanadium (dissolved)	µg/l	0.2	ISO 17025		3.1	< 1.7	< 1.7	3.1	0.2	< 0.2	< 0.2	< 0.2	0.4
Zinc (dissolved)	µg/l	0.5	ISO 17025		92	78	80	97	46	34	110	61	38

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 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	ISO 17025		< 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	NONE		< 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	NONE		< 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	NONE		< 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	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sum of TPH	µg/l	10	NONE	10	< 10	< 10	< 10	<10	< 10	< 10	< 10	< 10	< 10

					Round 28	Round 29	Round 30	Round 31	Round 32	Round 33	Round 34	Round 35	Round 36
Lab Sample Number					938276	946301	955648	963980	1906153		358666	362437	380228
Sample Reference					BH3A	BH3A	BH3A	BH3A	BH3A		BH3A	BH3A	BH3A
Sample Number					EW1	EW1	EW1	EW1	BH3A		BH3A	BH3A	None Supplied
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied
Date Sampled					06/04/2018	18/04/2018	03/05/2018	17/05/2018	31/07/2018		30/08/2018	24/09/2018	19/12/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7	7	7	6.9	7.2		6.5	7.2	6.9
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		24	20	29	36	41.1		28	26	29
Free Cyanide	µg/l	10	ISO 17025	10							< 5	< 5	< 5
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	5				
Sulphate as SO ₄	µg/l	45	ISO 17025		774000	497000	694000	819000	680000		714000	602000	776000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	8280	3800	10000	7900	4000	2300		1657	2657	434
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		26.8	28.2	24.4	25.2	22		25.3	24	8.9
Hardness - Total	mgCaCO3/l	1	ISO 17025		1460	1190	1360	1330	1430		1630	1580	1160

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	6	6.9	1.3	0.5		< 0.01	< 10	< 10
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.04		< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.04		< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	<0.02		< 0.008	< 0.008	< 0.008

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	<0.35		<0.01	< 0.01	< 0.01
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		1.1	0.8	0.7	0.7	1		< 5	< 5	< 5
Arsenic (dissolved)	µg/l	0.15	ISO 17025		3.54	3.91	2.83	4.66	6		< 5	< 5	< 5
Barium (dissolved)	µg/l	0.06	ISO 17025		120	110	110	70	0.25		64	63	51
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1	10		< 3	< 3	< 3
Boron (dissolved)	µg/l	10	ISO 17025		830	700	850	870	0.72		1500	1160	2710
Cadmium (dissolved)	µg/l	0.02	ISO 17025	1.7	0.09	1.8	< 0.02	0.23	0.2		< 0.4	< 0.4	< 0.4
Calcium (dissolved)	mg/l	0.012	ISO 17025		480	370	440	440	403		551	542	369
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	3		< 20	< 20	< 20
Chromium (III)	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<1				
Chromium (dissolved)	µg/l	0.2	ISO 17025		0.3	0.8	0.5	0.6	<0.1		< 5	< 5	< 5
Copper (dissolved)	µg/l	0.5	ISO 17025		2	7	3.1	3	0.3		< 5	< 5	< 5
Lead (dissolved)	µg/l	0.2	ISO 17025	4.4	0.3	2.8	1.6	1.4	<1		< 5	< 5	< 5
Magnesium (dissolved)	mg/l	0.005	ISO 17025		60	64	65	56	60		61.8	54.6	58.7
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.05	< 0.05	< 0.05	<0.1		< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		7.8	8	5.9	6.8			7	8	9
Selenium (dissolved)	µg/l	0.6	ISO 17025		2.9	2.8	2.8	2.7	<1		< 5	< 5	< 5
Vanadium (dissolved)	µg/l	0.2	ISO 17025		0.4	0.9	0.5	0.3	<1		< 5	< 5	< 5
Zinc (dissolved)	µg/l	0.5	ISO 17025		26	45	21	69	137		32	31	10

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	<1		< 1	< 1	< 1
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 5	< 5	< 5
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 5	< 5	< 5
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 10	< 10	< 10
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 5	< 5	< 5
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<5		< 10	< 10	< 10

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	<10		< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	<10		< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	<10		< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	29		< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	39		< 70	< 70	< 70

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	10		< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	10		< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	10		< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	16		< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	36		< 70	< 70	< 70
Sum of TPH	µg/l	10	NONE	10	< 10	< 10	< 10	< 10	52		<140	<140	< 140

					Round 37	Round 38	Round 39	Round 40	Round 41	Round 42	Round 43	Round 44	Round 45
Lab Sample Number					386528	Borehole dry	Borehole dry	Borehole dry	Borehole dry	Borehole dry	423306	432363	439330
Sample Reference					BH3A	Not sampled	Not sampled	Not sampled	Not sampled	Not sampled	BH3A	BH3A	BH3A
Sample Number					None Supplied						None Supplied	None Supplied	None Supplied
Depth (m)					None Supplied						None Supplied	None Supplied	None Supplied
Date Sampled					29/01/2019						22/07/2019	30/08/2019	02/10/2019
Time Taken					None Supplied						None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels									

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.6						7.4	7.3	7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		24						40	39	< 5
Free Cyanide	µg/l	10	ISO 17025	10	< 5						<5	< 5	< 5
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10									
Sulphate as SO ₄	µg/l	45	ISO 17025		551000						677000	606000	644000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	8280	3232						113	1495	5368
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		36.7						90.7	60.2	42.5
Hardness - Total	mgCaCO3/l	1	ISO 17025		1130						1320	1390	1210

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 10						< 10	< 10	< 10
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	0.05						0.02	0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01						< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01						0.05	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01						0.05	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01						0.12	0.02	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01						< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01						0.09	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 0.01						0.07	0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01						< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01						< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01						< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01						< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01						< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01						< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01						< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.008						< 0.008	< 0.008	< 0.008

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		0.05						0.4	0.04	< 0.01
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 5						< 5	< 5	< 5
Arsenic (dissolved)	µg/l	0.15	ISO 17025		6						< 5	< 5	< 5
Barium (dissolved)	µg/l	0.06	ISO 17025		69						59	57	61
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 3						< 3	< 3	< 3
Boron (dissolved)	µg/l	10	ISO 17025		1060						1160	990	916
Cadmium (dissolved)	µg/l	0.02	ISO 17025	1.7	< 0.4						< 0.4	< 0.4	< 0.4
Calcium (dissolved)	mg/l	0.012	ISO 17025		369						436	450	402
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 20						< 20	< 20	< 20
Chromium (III)	µg/l	1	NONE										
Chromium (dissolved)	µg/l	0.2	ISO 17025		< 5						< 5	< 5	< 5
Copper (dissolved)	µg/l	0.5	ISO 17025		< 5						< 5	< 5	< 5
Lead (dissolved)	µg/l	0.2	ISO 17025	4.4	< 5						< 5	< 5	< 5
Magnesium (dissolved)	mg/l	0.005	ISO 17025		51.1						56.9	64	50.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05						< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		8						8	8	8
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 5						< 5	< 5	< 5
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 5						< 5	< 5	< 5
Zinc (dissolved)	µg/l	0.5	ISO 17025		45						6	10	5

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1						< 1	< 1	< 1
Toluene	µg/l	1	ISO 17025		< 5						< 5	< 5	< 5
Ethylbenzene	µg/l	1	ISO 17025		< 5						< 5	< 5	< 5
p & m-xylene	µg/l	1	ISO 17025		< 10						< 10	< 10	< 10
o-xylene	µg/l	1	ISO 17025		< 5						< 5	< 5	< 5
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 10						< 10	< 10	< 10

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 70						< 70	< 70	< 70

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10						< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 70						< 70	< 70	< 70
Sum of TPH	µg/l	10	NONE	10	< 140						< 140	< 140	< 140

					Round 46	Round 47	Round 48
Lab Sample Number					445296	450395	Not sampled
Sample Reference					BH3A	BH3A	
Sample Number					None Supplied	None Supplied	
Depth (m)					None Supplied	None Supplied	
Date Sampled					30/10/2019	29/11/2019	
Time Taken					None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels			

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.1	7.3	
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		27	70	
Free Cyanide	µg/l	10	ISO 17025	10	< 5	< 5	
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10			
Sulphate as SO ₄	µg/l	45	ISO 17025		606000	882000	
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	8280	2542	2163	
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		46.5	48.1	
Hardness - Total	mgCaCO3/l	1	ISO 17025		1250	1340	

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 10	< 10	
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	0.03	0.02	
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Fluorene	µg/l	0.01	ISO 17025		0.02	0.02	
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.008	< 0.008	

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		0.05	0.04	
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 5	< 5	
Arsenic (dissolved)	µg/l	0.15	ISO 17025		< 5	< 5	
Barium (dissolved)	µg/l	0.06	ISO 17025		71	90	
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 3	< 3	
Boron (dissolved)	µg/l	10	ISO 17025		1550	971	
Cadmium (dissolved)	µg/l	0.02	ISO 17025	1.7	< 0.4	0.5	
Calcium (dissolved)	mg/l	0.012	ISO 17025		406	432	
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 20	< 20	
Chromium (III)	µg/l	1	NONE				
Chromium (dissolved)	µg/l	0.2	ISO 17025		< 5	< 5	
Copper (dissolved)	µg/l	0.5	ISO 17025		< 5	< 5	
Lead (dissolved)	µg/l	0.2	ISO 17025	4.4	< 5	< 5	
Magnesium (dissolved)	mg/l	0.005	ISO 17025		56.6	63.8	
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.05	
Nickel (dissolved)	µg/l	0.5	ISO 17025		8	9	
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 5	< 5	
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 5	< 5	
Zinc (dissolved)	µg/l	0.5	ISO 17025		18	74	

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1	< 1	
Toluene	µg/l	1	ISO 17025		< 5	< 5	
Ethylbenzene	µg/l	1	ISO 17025		< 5	< 5	
p & m-xylene	µg/l	1	ISO 17025		< 10	< 10	
o-xylene	µg/l	1	ISO 17025		< 5	< 5	
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 10	< 10	

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 70	< 70	

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 70	< 70	
Sum of TPH	µg/l	10	NONE	10	< 140	< 140	

					Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9
Lab Sample Number					759436	774326	796161	Could not locate well	818240	821823	827579	No groundwater	No groundwater
Sample Reference					BH3B	BH3B	BH3B		BH3B	BH3B	BH3B		
Sample Number					None Supplied	None Supplied	EW1		EW1	None Supplied	None Supplied		
Depth (m)					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied		
Date Sampled					02/06/2017	27/06/2017	07/08/2017		14/09/2017	20/09/2017	29/09/2017		
Time Taken					None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied		
Analytical Parameter (Water Analysis)	Units	Limit of detection	Limit of Status	Accreditation	Trigger levels								

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.7	7.6	7.5		7.3	7.5	7.3		
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		31	31	27		25	24	11		
Free Cyanide	µg/l	10	ISO 17025	10	< 10	< 10							
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1		< 1	< 1	< 1		
Sulphate as SO ₄	µg/l	45	ISO 17025		1160000	941000	1060000		928000	1100000	1070000		
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	360	300	76	150		54	170	62		
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		30.6	32.1	33.2		29.6	32.9	26.8		
Hardness - Total	mgCaCO3/l	1	ISO 17025		1450	1380	1380		1320	1480	1500		

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0		3.5	< 1.0	< 1.0		
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01		

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16		< 0.16	< 0.16	< 0.16		
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		1.4	< 1.7	1.3		0.7	1.3	1		
Arsenic (dissolved)	µg/l	0.15	ISO 17025		2.34	9.6	1.94		1.89	2.27	1.71		
Barium (dissolved)	µg/l	0.06	ISO 17025		56	71	59		78	61	58		
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.2	< 0.1		< 0.1	< 0.1	< 0.1		
Boron (dissolved)	µg/l	10	ISO 17025		760	830	860		730	750	800		
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.23	0.19	< 0.08	0.25		0.17	0.34	0.24		
Calcium (dissolved)	mg/l	0.012	ISO 17025		450	410	440		360	450	430		
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0		
Chromium (III)	µg/l	1	NONE		1.2	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
Chromium (dissolved)	µg/l	0.2	ISO 17025		1.2	0.5	0.8		0.5	0.5	0.7		
Copper (dissolved)	µg/l	0.5	ISO 17025		10	11	9.2		8	11	9.1		
Lead (dissolved)	µg/l	0.2	ISO 17025	7.1	2.4	5.9	4.6		0.7	1.1	6		
Magnesium (dissolved)	mg/l	0.005	ISO 17025		81	88	68		100	88	100		
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.5	0.12		< 0.05	< 0.05	< 0.05		
Nickel (dissolved)	µg/l	0.5	ISO 17025		9.1	12	11		12	11	8.4		
Selenium (dissolved)	µg/l	0.6	ISO 17025		4.2	< 4.0	1.6		1.4	1.7	1.7		
Vanadium (dissolved)	µg/l	0.2	ISO 17025		2.5	< 1.7	1.7		1.6	1.9	1.9		
Zinc (dissolved)	µg/l	0.5	ISO 17025		5.9	6.9	4.3		3.6	8.5	7.8		

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10		
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10		
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10		
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10		
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10		

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0		
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10		
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10		
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10		
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10		
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10		< 10	< 10	< 10		
Sum of TPH	µg/l	10	NONE	10	<10	<10	<10		<10	<10	<10		

							Round 10	Round 11	Round 12	Round 13	Round 14	Round 15	Round 16	Round 17	Round 18
Lab Sample Number							No groundwater	No groundwater	No groundwater	867583	No groundwater	877119	883074	883322	887652
Sample Reference										BH3B		BH3B	BH3B	BH3B	
Sample Number										EW8		EW9	EW9	EW7	EW8
Depth (m)										None Supplied		None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled										29/11/2017		14/12/2017	20/12/2017	02/01/2018	11/01/2018
Time Taken										None Supplied		None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Limit of detection	Accreditation Status	Trigger levels										

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9					7.4		7.2	7	7.4	7.3
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025						33		32	39	45	40
Free Cyanide	µg/l	10	ISO 17025	10										
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10					< 1		< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025						1390000		1270000	1180000	1090000	1120000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	360					31		< 15	17	150	80
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE						20.8		32.2	19.8	27.5	27.3
Hardness - Total	mgCaCO ₃ /l	1	ISO 17025						1470		2990	3140	1960	2420

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1					< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01					< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01					< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE						< 0.01		< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE						< 0.16		< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025						1		1.6	1	1.5	< 1.7
Arsenic (dissolved)	µg/l	0.15	ISO 17025						1.11		1.34	1.36	1.13	8.5
Barium (dissolved)	µg/l	0.06	ISO 17025						54		130	130	74	120
Beryllium (dissolved)	µg/l	0.1	ISO 17025						< 0.1		< 0.1	< 0.1	< 0.1	< 0.2
Boron (dissolved)	µg/l	10	ISO 17025						550		600	650	590	590
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.23					0.09		0.47	0.63	0.69	0.55
Calcium (dissolved)	mg/l	0.012	ISO 17025						420		990	910	560	730
Chromium (hexavalent)	µg/l	5	ISO 17025	5					< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE						< 1.0		3.8	2.3	< 1.0	< 1.0
Chromium (dissolved)	µg/l	0.2	ISO 17025						0.4		3.8	2.3	0.7	0.7
Copper (dissolved)	µg/l	0.5	ISO 17025						4.1		6.3	7.1	10	19
Lead (dissolved)	µg/l	0.2	ISO 17025	7.1					1.6		0.4	0.6	0.8	1.4
Magnesium (dissolved)	mg/l	0.005	ISO 17025						110		130	210	130	150
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5					0.05		0.1	< 0.05	< 0.05	< 0.5
Nickel (dissolved)	µg/l	0.5	ISO 17025						5.7		6.2	9.1	7.5	9.4
Selenium (dissolved)	µg/l	0.6	ISO 17025						5.2		11	21	15	< 4.0
Vanadium (dissolved)	µg/l	0.2	ISO 17025						1.5		1	0.9	1.1	< 1.7
Zinc (dissolved)	µg/l	0.5	ISO 17025						3.6		5.8	5.1	6	12

Monoaromatics

Benzene	µg/l	1	ISO 17025	1					< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE						< 10		< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE						< 10		< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE						< 10		< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE						< 10		< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE						< 10		< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE						< 1.0		< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE						< 10		< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE						< 10		< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE						< 10		< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE						< 10		< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE						< 10		< 10	< 10	< 10	< 10
Sum of TPH	µg/l	10	NONE	10					<10		<10	<10	<10	< 10

					Round 19	Round 20	Round 21	Round 22	Round 23	Round 24	Round 25a	Round 26	Round 27
Lab Sample Number					892409	896619	898890	904449	908160	913207	922498	926358	931923
Sample Reference					BH3B	BH3B	BH3B	BH3B	BH3B	BH3B	BH3B	BH3B	BH3B
Sample Number					EW11	EW8	EW8	EW8	EW8	EW8	EW8	None Supplied	8
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					19/01/2018	25/01/2018	30/01/2018	08/02/2018	13/02/2018	20/02/2018	08/03/2018	15/03/2018	22/03/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Limit of detection	Accreditation Status	Trigger levels								

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.4	7.5	7.4	7.3	7.5	7.3	7.3	7.6	7.4
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		44	46	53	55	49	51	46	43	45
Free Cyanide	µg/l	10	ISO 17025	10									
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		1100000	960000	1060000	947000	1110000	1050000	903000	694000	956000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	360	200	24	47	36	44	370	35	< 15	59
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		28.9	27.8	29.6	29.3	32.8	30.8	28.2	27	26.2
Hardness - Total	mgCaCO3/l	1	ISO 17025		1800	1360	1360	1590	1520	1720	1560	1350	1500

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	1.1	< 1.0	< 1.0	6.5	< 1.0	< 1.0	3.4	7.5	< 1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 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	ISO 17025		< 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	ISO 17025		< 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	ISO 17025	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	NONE		< 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	NONE		< 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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 1.7	< 1.7	< 1.7	2.8	< 1.0	0.9	0.9	3	2.6
Arsenic (dissolved)	µg/l	0.15	ISO 17025		5.8	3.4	4.7	5.7	< 1.0	0.98	1.41	2.11	1.65
Barium (dissolved)	µg/l	0.06	ISO 17025		79	140	65	72	< 1.0	51	43	33	50
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.2	< 0.2	< 0.2	< 0.2	< 10	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		740	500	670	720	< 10	730	730	580	660
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.23	< 0.08	1.1	0.93	0.26	< 10	0.25	0.65	0.57	0.87
Calcium (dissolved)	mg/l	0.012	ISO 17025		520	400	430	440	< 10	530	460	410	450
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		1	< 1.0	< 1.0	1	< 5.0	< 1.0	< 1.0	4.3	1.9
Chromium (dissolved)	µg/l	0.2	ISO 17025		1	0.9	0.4	1	< 1.0	0.4	0.3	4.3	1.9
Copper (dissolved)	µg/l	0.5	ISO 17025		21	22	24	30	15	7.8	11	17	17
Lead (dissolved)	µg/l	0.2	ISO 17025	7.1	2	< 1.0	< 1.0	3.3	2.3	2.3	0.8	0.7	2.3
Magnesium (dissolved)	mg/l	0.005	ISO 17025		120	85	71	120	100	96	100	75	92
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.13	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		8.4	14	10	7.1	5.6	5.2	7.3	6.1	8.1
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 4.0	< 4.0	< 4.0	< 4.0	3.4	3	8.2	11	7.6
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 1.7	1.8	< 1.7	8.2	0.9	0.8	0.9	1.4	1.6
Zinc (dissolved)	µg/l	0.5	ISO 17025		15	13	10	6.4	7.9	3.7	9.1	6.2	11

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 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	ISO 17025		< 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	NONE		< 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	NONE		< 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	NONE		< 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	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Sum of TPH	µg/l	10	NONE	10	< 10	< 10	< 10	<10	<10	<10	<10	<10	< 10

					Round 28	Round 29	Round 30	Round 31	Round 32	Round 33	Round 34	Round 35	Round 36
Lab Sample Number					938283	946308	955655	963987	1906154	Not sampled	358667	362439	380230
Sample Reference					BH3B	BH3B	BH3B	BH3B	BH3B		BH3B	BH3B	BH3B
Sample Number					EW8	EW8	EW8	EW8	BH3B		None Supplied	None Supplied	None Supplied
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied
Date Sampled					06/04/2018	18/04/2018	03/05/2018	17/05/2018	31/07/2018		30/08/2018	24/09/2018	19/12/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Limit of Status	Accreditation	Trigger levels								

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.6	7.5	7.3	7.1	6.9		6.5	7.7	7.5
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		21	24	43	38	<5		18	163	26
Free Cyanide	µg/l	10	ISO 17025	10							< 5	< 5	< 5
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	5				
Sulphate as SO ₄	µg/l	45	ISO 17025		826000	800000	1210000	1110000	230000		121000	80000	4000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	360	< 15	210	23	67	2263		2636	47421	22789
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		28.7	28.5	26	31.7	41		109	412	99.4
Hardness - Total	mgCaCO3/l	1	ISO 17025		1240	1310	1640	1700	2990		3860	4980	2280

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	2.8	2.1	4.5	2.7	7.2		10	46	1480
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.19		0.02	0.08	0.08
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	<0.01		< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.09		< 0.01	0.03	0.02
Fluorene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.04		< 0.01	0.01	0.01
Phenanthrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.05		< 0.01	0.04	< 0.01
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.02		< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.07		< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.06		< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.04		< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.03		< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.04		< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	0.02		< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.03		< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	0.03		< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	<0.01		< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	0.02		< 0.008	< 0.008	< 0.008

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		< 0.16	< 0.16	< 0.16	< 0.16	<0.5		0.02	0.16	0.11
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		4.2	3.5	1.9	1.4	<1		< 5	< 5	< 5
Arsenic (dissolved)	µg/l	0.15	ISO 17025		2.53	2.97	1.74	2.52	18		13	14	33
Barium (dissolved)	µg/l	0.06	ISO 17025		68	72	62	82	220		749	3490	790
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1	<10		< 3	< 3	< 3
Boron (dissolved)	µg/l	10	ISO 17025		500	570	830	770	370		610	156	177
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.23	0.72	1.4	1.7	2.1	<0.1		< 0.4	< 0.4	< 0.4
Calcium (dissolved)	mg/l	0.012	ISO 17025		390	380	490	520	1060		1330	1890	795
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	3		< 20	< 20	< 20
Chromium (III)	µg/l	1	NONE		1	2	< 1.0	1.1	<1				
Chromium (dissolved)	µg/l	0.2	ISO 17025		1	2	0.8	1.1	<1		6	< 5	< 5
Copper (dissolved)	µg/l	0.5	ISO 17025		24	29	20	22	<1		11	< 5	< 5
Lead (dissolved)	µg/l	0.2	ISO 17025	7.1	0.3	6	3.8	1.6	<1		< 5	< 5	< 5
Magnesium (dissolved)	mg/l	0.005	ISO 17025		64	89	100	97	83		130	63.5	71
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.05	< 0.05	0.05	<0.1		0.09	0.2	0.13
Nickel (dissolved)	µg/l	0.5	ISO 17025		6.5	8.1	7.4	9.3			16	108	37
Selenium (dissolved)	µg/l	0.6	ISO 17025		7.2	5	5.6	9.6	<1		21	< 5	< 5
Vanadium (dissolved)	µg/l	0.2	ISO 17025		1.7	2.6	2.1	1.3	2		< 5	6	12
Zinc (dissolved)	µg/l	0.5	ISO 17025		4	17	13	14	3		< 2	< 2	< 2

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	<1		< 1	< 1	< 1
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 5	< 5	< 5
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 5	< 5	< 5
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 10	< 10	< 10
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<1		< 5	< 5	< 5
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	<5		< 10	< 10	< 10

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 1.0	< 1.0	< 1.0	<10		< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	<10		< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	<10		< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	19		< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	28		< 70	< 70	< 70

					< 10	< 10	< 10	< 10					
TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	<0.1		< 10	< 10	< 10
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 1.0	< 1.0	< 1.0	10		< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	11		< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	10		< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	18		< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	42		< 70	< 70	< 70
Sum of TPH	µg/l	10	NONE	10	< 10	< 10	< 10	< 10			< 140	< 140	< 140

				Round 46	Round 47	Round 48
Lab Sample Number				445297	450396	Not sampled
Sample Reference				BH3B	BH3B	
Sample Number				None Supplied	None Supplied	
Depth (m)				None Supplied	None Supplied	
Date Sampled				30/10/2019	29/11/2019	
Time Taken				None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	Units	Limit of detecti on	Accredi tation Status	Trigger levels		

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.9	7.7	
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		61	41	
Free Cyanide	µg/l	10	ISO 17025	10	< 5	< 5	
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10			
Sulphate as SO ₄	µg/l	45	ISO 17025		35000	639000	
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	360	18736	7842	
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		87.3	59.7	
Hardness - Total	mgCaCO3/l	1	ISO 17025		1880	1780	

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	12	<10	
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.01	0.14	0.08	
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Acenaphthene	µg/l	0.01	ISO 17025		0.06	0.04	
Fluorene	µg/l	0.01	ISO 17025		0.06	0.04	
Phenanthrene	µg/l	0.01	ISO 17025		0.03	0.03	
Anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.008	< 0.008	

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		0.29	0.19	
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 5	< 5	
Arsenic (dissolved)	µg/l	0.15	ISO 17025		11	7	
Barium (dissolved)	µg/l	0.06	ISO 17025		300	194	
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 3	< 3	
Boron (dissolved)	µg/l	10	ISO 17025		256	501	
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.23	< 0.4	< 0.4	
Calcium (dissolved)	mg/l	0.012	ISO 17025		604	556	
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 20	< 20	
Chromium (III)	µg/l	1	NONE				
Chromium (dissolved)	µg/l	0.2	ISO 17025		< 5	< 5	
Copper (dissolved)	µg/l	0.5	ISO 17025		< 5	< 5	
Lead (dissolved)	µg/l	0.2	ISO 17025	7.1	< 5	< 5	
Magnesium (dissolved)	mg/l	0.005	ISO 17025		91	94.8	
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	0.09	< 0.05	
Nickel (dissolved)	µg/l	0.5	ISO 17025		20	15	
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 5	< 5	
Vanadium (dissolved)	µg/l	0.2	ISO 17025		17	6	
Zinc (dissolved)	µg/l	0.5	ISO 17025		< 2	< 2	

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1	< 1	
Toluene	µg/l	1	ISO 17025		< 5	< 5	
Ethylbenzene	µg/l	1	ISO 17025		< 5	< 5	
p & m-xylene	µg/l	1	ISO 17025		< 10	< 10	
o-xylene	µg/l	1	ISO 17025		< 5	< 5	
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 10	< 10	

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 70	< 70	

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 10	< 10	
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 70	< 70	
Sum of TPH	µg/l	10	NONE	10	< 140	< 140	

	Round 42	Round 43	Round 44	Round 45	Round 46	Round 47	Round 48
Lab Sample Number	418868	423308	432365	439331	445295	450394	Not sampled
Sample Reference	BH3R	BH3R	BH3R	BH3R	BH3	BH3	
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Date Sampled	27/06/2019	22/07/2019	30/08/2019	02/10/2019	30/10/2019	29/11/2019	
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status				

General Inorganics

pH	pH Units	N/A	ISO 17025	9.3	9.1	9.3	9.3	9.5	9.4	
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	350	< 5	92	43	69	73	
Free Cyanide	µg/l	10	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025							
Sulphate as SO ₄	µg/l	45	ISO 17025	38000	20000	16000	41000	52000	44000	
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	10684	9526	20000	60000	56842	62631	
Ammonia as NH ₃	µg/l	15	ISO 17025							
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	726	621	60.3	54.1	568	567	
Hardness - Total	mgCaCO ₃ /l	1	ISO 17025	1640	1780	1360	1500	979	798	

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	< 10	< 10	53	45	39	15	
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	0.12	0.2	0.19	0.2	0.15	
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	0.07	0.09	0.08	0.1	0.07	
Fluorene	µg/l	0.01	ISO 17025	< 0.01	0.03	< 0.01	0.04	0.05	0.03	
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	0.06	0.09	0.09	0.09	0.07	
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.02	0.01	< 0.01	< 0.01	
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	0.05	0.03	0.03	0.03	0.02	
Pyrene	µg/l	0.01	ISO 17025	< 0.01	0.04	0.02	0.03	0.02	0.02	
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008	

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	< 0.01	0.37	0.45	0.47	0.49	0.36	
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025	< 5	< 5	< 5	< 5	5	< 5	
Arsenic (dissolved)	µg/l	0.15	ISO 17025	16	21	22	20	20	13	
Barium (dissolved)	µg/l	0.06	ISO 17025	763	900	905	960	664	633	
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 3	< 3	< 3	< 3	< 3	< 3	
Boron (dissolved)	µg/l	10	ISO 17025	49	76	88	71	79	60	
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.4	0.4	< 0.4	< 0.4	0.5	< 0.4	
Calcium (dissolved)	mg/l	0.012	ISO 17025	611	590	425	470	348	270	
Chromium (hexavalent)	µg/l	5	ISO 17025	< 20	< 20	< 20	< 20	< 20	< 20	
Chromium (III)	µg/l	1	NONE							
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	
Copper (dissolved)	µg/l	0.5	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	
Lead (dissolved)	µg/l	0.2	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	
Magnesium (dissolved)	mg/l	0.005	ISO 17025	27.7	73.6	72.6	78.8	27	30.2	
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.91	0.62	1.21	0.89	1.72	1.67	
Nickel (dissolved)	µg/l	0.5	ISO 17025	386	300	320	318	366	338	
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	
Vanadium (dissolved)	µg/l	0.2	ISO 17025	19	< 5	14	14	16	16	
Zinc (dissolved)	µg/l	0.5	ISO 17025	< 2	3	33	< 2	< 2	2	

					Round 42	Round 43	Round 44	Round 45	Round 46	Round 47	Round 48
Lab Sample Number					418868	423308	432365	439331	445295	450394	Not sampled
Sample Reference					BH3R	BH3R	BH3R	BH3R	BH3	BH3	
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Date Sampled					27/06/2019	22/07/2019	30/08/2019	02/10/2019	30/10/2019	29/11/2019	
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)					Units	Limit of detection	Accreditation Status				

Monoaromatics

Benzene	µg/l	1	ISO 17025	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/l	1	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	µg/l	1	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5
p & m-xylene	µg/l	1	ISO 17025	< 10	< 10	< 10	< 10	< 10	< 10
o-xylene	µg/l	1	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 10	< 10	< 10	< 10	< 10	< 10

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 70	< 70	< 70	< 70	< 70	< 70

[illegible]

					Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8
Lab Sample Number					759437	774327	796160	Environ well sampled in error	818241	Environ well sampled in error	827580	831700
Sample Reference					BH4B	BH4B	BH4B		BH4B		BH4B	BH4B
Sample Number					None Supplied	None Supplied	EW1		EW1		None Supplied	EW4
Depth (m)					None Supplied	None Supplied	None Supplied		None Supplied		None Supplied	None Supplied
Date Sampled					02/06/2017	27/06/2017	07/08/2017		14/09/2017		29/09/2017	05/10/2017
Time Taken					None Supplied	None Supplied	None Supplied		None Supplied		None Supplied	None Supplied
Analytical Parameter (Water Analysis)												
	Units	Limit of detection	Accreditation Status	Trigger Levels								

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9		7.3	7.4		7.3		7.5	7.2
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
Free Cyanide	µg/l	10	ISO 17025	10	< 10	< 10	< 10					
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10			< 1		< 1		< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		20800	8250	65800		13200		4290	23200
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	16800	13000	14000	13000		14000		14000	14000
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		5.79	5.22	9.6		8.62		6.3	5.85
Hardness - Total	mgCaCO3/l	1	ISO 17025		332	292	430		311		336	366

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0		3.2		< 1.0	< 1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.66	0.42	0.55	< 0.01		0.19		2.76	7.09
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	0.28	< 0.01		0.13		0.47	0.17
Acenaphthene	µg/l	0.01	ISO 17025		6.69	14.6	4.11		4.4		21.3	13.2
Fluorene	µg/l	0.01	ISO 17025		1.35	2.06	0.66		0.47		2	1.83
Phenanthrene	µg/l	0.01	ISO 17025		0.58	0.75	0.48		0.19		1.36	1.39
Anthracene	µg/l	0.01	ISO 17025		< 0.01	0.16	< 0.01		0.1		0.26	0.13
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	0.11	< 0.01		0.08		0.16	< 0.01
Pyrene	µg/l	0.01	ISO 17025		0.13	0.27	1.41		0.85		0.97	0.93
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01		< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01		< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01		< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01		< 0.01		< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01		< 0.01		< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01		< 0.01		< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01		< 0.01		< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01		< 0.01		< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		9.17	18.7	6.66		6.41		29.3	24.8
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 0.4	2.8	0.7		< 0.4		0.6	< 0.4
Arsenic (dissolved)	µg/l	0.15	ISO 17025		4.86	8.2	1.74		1.74		1.53	1.11
Barium (dissolved)	µg/l	0.06	ISO 17025		340	350	340		480		390	360
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.2	< 0.1		< 0.1		< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		400	440	420		410		480	430
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	0.03	< 0.08	0.03		< 0.02		0.02	0.09
Calcium (dissolved)	mg/l	0.012	ISO 17025		110	98	150		110		120	120
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0	< 5.0
Chromium (III)	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
Chromium (dissolved)	µg/l	0.2	ISO 17025		0.4	< 0.4	< 0.2		< 0.2		0.2	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025		1.9	1.4	2.2		2.8		5.5	1.7
Lead (dissolved)	µg/l	0.2	ISO 17025	1	0.3	< 1.0	2.1		0.4		8.5	< 0.2
Magnesium (dissolved)	mg/l	0.005	ISO 17025		13	11	16		11		12	15
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.5	0.24		< 0.05		< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		7.6	9.1	8.7		6.9		7.5	6.7
Selenium (dissolved)	µg/l	0.6	ISO 17025		0.8	< 4.0	< 0.6		< 0.6		< 0.6	< 0.6
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 0.2	< 1.7	< 0.2		< 0.2		0.3	< 0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025		4.3	5.1	2.4		0.8		17	3.9

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10		< 10		< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10		< 10		< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10		< 10		< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10		< 10		< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10		< 10		< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10		< 10		< 10	40
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	41	< 10		< 10		24	260
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10		< 10		< 10	130
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10		< 10		< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	41	< 10		< 10		24	430
Sum of TPH	µg/l	10	NONE	49	<10	41	<10		<10		24	430

					Round 9	Round 10	Round 11	Round 12	Round 13	Round 14	Round 15	Round 16
Lab Sample Number					850617	854058	858024	863479	867584	872149	877120	883075
Sample Reference					BH4B	BH4B	BH4B	BH4B	BH4B	BH4B	BH4B	BH4B
Sample Number					EW6	EW9	EW6	EW7	EW9	EW7	EW10	EW10
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					02/11/2017	08/11/2017	14/11/2017	22/11/2017	29/11/2017	06/12/2017	14/12/2017	20/12/2017
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detecti on	Accredi tation Status	Trigger levels								

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	6.9	6.9	7	6.7	6.9	6.9	6.9	6.9
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		12	16	7.6	19	12	6.2	2.9	5.8
Free Cyanide	µg/l	10	ISO 17025	10						< 10		
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		211000	155000	143000	163000	155000	172000	163000	193000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	16800	8100	8100	8500	8200	8700	7700	8900	8700
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		5.38	3.82	1.37	5.81	4.49	7.9	5.14	5.46
Hardness - Total	mgCaCO3/l	1	ISO 17025		432	376	327	345	364	381	395	349

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.66	2.98	4.47	4.55	2.76	43.9	98.8	70.1	43.1
Acenaphthylene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	0.11	< 0.01	0.18	0.42	0.19	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		5.34	4.54	5.54	2.59	7.66	12.6	7.81	5.13
Fluorene	µg/l	0.01	ISO 17025		3.24	2.9	3.08	1.27	4.01	6.6	4.02	2.58
Phenanthrene	µg/l	0.01	ISO 17025		2.59	3.76	4.83	0.91	3.56	5.69	3.69	1.82
Anthracene	µg/l	0.01	ISO 17025		0.18	0.22	0.21	0.12	0.22	0.47	0.24	0.14
Fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	0.15	0.28	0.76	0.26	0.2
Pyrene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	0.35	0.53	0.79	1.28	0.62	0.62
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		14.3	15.9	18.7	8.33	60.6	127	86.9	53.6
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		0.6	0.7	0.7	0.7	< 0.4	< 0.4	0.8	< 0.4
Arsenic (dissolved)	µg/l	0.15	ISO 17025		5.86	8.8	1.83	0.64	1.7	6.9	1.44	9.22
Barium (dissolved)	µg/l	0.06	ISO 17025		240	270	320	290	270	340	290	430
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		280	250	270	260	270	260	260	260
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	0.11	< 0.02	< 0.02	0.08	< 0.02	0.05	0.03	< 0.02
Calcium (dissolved)	mg/l	0.012	ISO 17025		140	120	100	110	110	120	120	110
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	10	< 5.0
Chromium (III)	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (dissolved)	µg/l	0.2	ISO 17025		0.4	0.7	< 0.2	< 0.2	< 0.2	0.3	< 0.2	0.4
Copper (dissolved)	µg/l	0.5	ISO 17025		2.9	1	0.6	1.8	1.3	4.3	< 0.5	2.7
Lead (dissolved)	µg/l	0.2	ISO 17025	1	6.8	< 0.2	< 0.2	< 0.2	< 0.2	0.9	< 0.2	1.5
Magnesium (dissolved)	mg/l	0.005	ISO 17025		21	20	17	18	19	20	21	21
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		9	12	8.4	9.4	10	12	8.5	12
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 0.6	0.8	0.8	0.8	0.8	0.9	1	1
Vanadium (dissolved)	µg/l	0.2	ISO 17025		0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025		4.9	9	2.9	6.4	< 0.5	11	2	8.6

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.2	3	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.2	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	1.2	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 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	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.2	4.1	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	63	99	120	89
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	25	28	20	120	63
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	55	< 10	< 10	120	48
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	56	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	80	91	130	430	200
Sum of TPH	µg/l	10	NONE	49	<10	<10	<10	80	101	130	440	210

					Round 17	Round 18	Round 19	Round 20	Round 21	Round 22	Round 23	Round 24
Lab Sample Number					883323	887651	892410	896620	898891	904450	908161	913208
Sample Reference					BH4B	BH4B	BH4B	BH4B	BH4B	BH4B	BH4B	BH4B
Sample Number					EW8	EW7	EW12	EW9	EW9	EW9	EW9	EW9
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					02/01/2018	11/01/2018	19/01/2018	25/01/2018	30/01/2018	08/02/2018	13/02/2018	20/02/2018
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detecti on	Accredi tation Status	Trigger levels								

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	6.8	6.9	6.9	6.9	6.9	6.9	7.1	7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		10	5.7	1.6	7	7.2	11	3.9	4.7
Free Cyanide	µg/l	10	ISO 17025	10								
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	3	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sulphate as SO ₄	µg/l	45	ISO 17025		217000	159000	160000	153000	146000	190000	144000	120000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	16800	8000	8900	8500	8500	8600	8500	8800	9100
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		17.3	10	4.03	4.39	5.47	4.28	6.2	3.97
Hardness - Total	mgCaCO3/l	1	ISO 17025		397	399	410	375	375	478	458	385

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 1.0	1.8	3.3	< 1.0	3	8.2	5.7	< 1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.66	15.2	62.3	56.4	142	45.1	42.9	58.5	66.5
Acenaphthylene	µg/l	0.01	ISO 17025		0.11	0.23	0.33	0.47	0.33	0.32	0.41	0.84
Acenaphthene	µg/l	0.01	ISO 17025		3.54	8.18	10.4	18.3	14	14.6	20.7	29.8
Fluorene	µg/l	0.01	ISO 17025		2.12	4.06	4.16	8.45	6.68	6.44	9.09	13
Phenanthrene	µg/l	0.01	ISO 17025		2.19	3.77	2.62	6.14	3.8	2.16	2.82	5.74
Anthracene	µg/l	0.01	ISO 17025		0.16	0.26	0.2	0.4	0.28	0.23	0.2	0.48
Fluoranthene	µg/l	0.01	ISO 17025		0.33	0.51	0.27	0.46	0.33	0.52	0.31	0.4
Pyrene	µg/l	0.01	ISO 17025		0.83	1.6	0.61	0.99	0.87	1.2	0.72	1.04
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	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	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		24.5	80.9	74.9	177	71.4	68.4	92.7	118
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		0.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 0.4	< 0.4
Arsenic (dissolved)	µg/l	0.15	ISO 17025		0.95	5.8	3.9	3.8	1.8	8	2.45	3.73
Barium (dissolved)	µg/l	0.06	ISO 17025		290	250	320	700	300	350	180	340
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		280	250	290	240	280	270	270	260
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	0.03	< 0.08	< 0.08	0.14	< 0.08	< 0.08	0.03	< 0.02
Calcium (dissolved)	mg/l	0.012	ISO 17025		120	130	130	120	120	150	150	120
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.4	< 5.0
Chromium (III)	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0
Chromium (dissolved)	µg/l	0.2	ISO 17025		< 0.2	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 1.0	0.2
Copper (dissolved)	µg/l	0.5	ISO 17025		< 0.5	0.7	4.5	< 0.7	2.5	7	1.2	1
Lead (dissolved)	µg/l	0.2	ISO 17025	1	< 0.2	11	< 1.0	< 1.0	1.7	3.5	0.7	1.1
Magnesium (dissolved)	mg/l	0.005	ISO 17025		21	19	21	20	19	23	19	18
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.08	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		11	13	12	15	14	19	11	11
Selenium (dissolved)	µg/l	0.6	ISO 17025		1	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 0.6	0.7
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 0.2	< 1.7	2.9	< 1.7	< 1.7	5.7	< 0.2	< 0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025		1.7	3.1	4.4	7	86	16	0.5	4.1

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	2.7	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	2.1	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	1.3	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 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	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		22	120	110	270	230	92	180	210
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		11	120	86	27	590	120	160	210
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	58	68	< 10	35	80	110	110
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		33	290	260	300	860	290	450	530
Sum of TPH	µg/l	10	NONE	49	33	290	260	300	860	290	450	530

					Round 25a	Round 26	Round 27	Round 28	Round 29	Round 30	Round 31	Round 32
Lab Sample Number					922499	926359	931924	938284	946309	955656	1906155	1906155
Sample Reference					BH4B	BH4B	BH4B	BH4B	BH4B	BH4B	BH4B	BH4B
Sample Number					EW9	None Supplied	9	EW9	EW9	EW9	EW9	EN0975581/7
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					08/03/2018	15/03/2018	22/03/2018	06/04/2018	18/04/2018	03/05/2018	17/05/2018	31.07.18
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger Levels								

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7	7.1	7.2	7.3	7.3	7.3	7	7.3
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		5.1	4.2	3.2	2.2	< 1.0	< 1.0	4.9	<0.5
Free Cyanide	µg/l	10	ISO 17025	10								
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<0.5
Sulphate as SO ₄	µg/l	45	ISO 17025		93300	84200	46900	32300	22200	5570	44900	14000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	16800	8300	9300	9800	9300	9900	11000	8300	8400
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		16.4	5.73	6.13	5.46	6.71	6.34	4.61	3.4
Hardness - Total	mgCaCO3/l	1	ISO 17025		397	403	356	375	343	288	253	388

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	4.1	7.2	< 1.0	< 1.0	< 1.0	5.7	2.8	<0.5
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.66	29.4	38.6	28.1	6.86	< 0.01	< 0.01	< 0.01	2.33
Acenaphthylene	µg/l	0.01	ISO 17025		0.36	0.4	0.7	0.33	0.11	< 0.01	< 0.01	0.09
Acenaphthene	µg/l	0.01	ISO 17025		15.7	15.4	21.8	15.4	5.7	1.28	2.83	2.51
Fluorene	µg/l	0.01	ISO 17025		8.75	8.23	11.9	10.2	3.94	1.08	2.69	1.87
Phenanthrene	µg/l	0.01	ISO 17025		5.42	5.66	7.45	6.56	0.42	0.43	1.14	0.98
Anthracene	µg/l	0.01	ISO 17025		0.29	0.26	0.44	0.28	0.16	0.12	0.18	0.22
Fluoranthene	µg/l	0.01	ISO 17025		0.31	0.32	0.42	0.25	0.25	0.75	0.32	0.37
Pyrene	µg/l	0.01	ISO 17025		0.77	0.73	0.88	0.56	0.62	0.94	0.85	1.09
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.29	< 0.01	0.02
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.33	< 0.01	0.02
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.38	< 0.01	0.04
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.15	< 0.01	<0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.27	< 0.01	0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	<0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	<0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		61	69.6	71.7	40.4	11.2	6.02	8.01	8.01
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 0.4	< 0.4	0.6	< 0.4	< 0.4	0.5	< 0.4	<1
Arsenic (dissolved)	µg/l	0.15	ISO 17025		1.38	3.75	1.31	1.56	1.19	1	0.87	19
Barium (dissolved)	µg/l	0.06	ISO 17025		230	180	300	370	400	350	290	320
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<10
Boron (dissolved)	µg/l	10	ISO 17025		250	290	280	260	270	300	260	320
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	< 0.02	< 0.02	0.07	0.03	0.2	0.12	0.06	0.1
Calcium (dissolved)	mg/l	0.012	ISO 17025		130	130	120	130	110	96	74	129
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	<3
Chromium (III)	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1
Chromium (dissolved)	µg/l	0.2	ISO 17025		< 0.2	< 0.2	0.2	< 0.2	0.2	< 0.2	0.3	<1
Copper (dissolved)	µg/l	0.5	ISO 17025		1.2	< 0.5	1.3	2.1	1.8	1.9	4.3	<1
Lead (dissolved)	µg/l	0.2	ISO 17025	1	< 0.2	< 0.2	0.7	< 0.2	0.2	< 0.2	< 0.2	<1
Magnesium (dissolved)	mg/l	0.005	ISO 17025		19	18	16	14	14	12	17	160
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.1
Nickel (dissolved)	µg/l	0.5	ISO 17025		12	8.3	7.7	4.9	5.6	3.4	11	
Selenium (dissolved)	µg/l	0.6	ISO 17025		2.6	1.6	1.4	0.9	1	1.2	1	<1
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	<1
Zinc (dissolved)	µg/l	0.5	ISO 17025		1.9	< 0.5	3.2	4.2	5.7	5	7.6	7

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1
Toluene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1
Ethylbenzene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1
p & m-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1
o-xylene	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<5

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		<0.1
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<0.1
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<0.1
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 1.0	< 10	< 1.0	<10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	<10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	<10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	22
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 10	< 10	< 10	< 10	< 10	< 10	< 10	32

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		<0.1
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<0.1
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<0.1
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		69	120	79	59	< 1.0	< 10	< 1.0	10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		96	140	57	62	< 10	< 10	< 10	14
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	190	37	24	23	< 10	33	17
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	96	< 10	< 10	< 10	< 10	56	15
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		170	540	170	150	< 10	< 10	< 10	49
Sum of TPH	µg/l	10	NONE	49	170	540	170	150	23	< 10	88	159

					Round 33	Round 34	Round 35	Round 36	Round 37	Round 38	Round 39	Round 40
Lab Sample Number					Not sampled	358668	362440	380231	386530	393597	399602	405583
Sample Reference						BH4B	BH4B	BH4B	BH4B	BH4B	BH4B	BH4B
Sample Number						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled						31/08/2018	24/09/2018	19/12/2018	29/01/2019	27/02/2019	01/04/2019	30/04/2019
Time Taken						None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)												
	Units	Limit of detection	Accreditation Status	Trigger Levels								

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9		7	6.3	7.3	7.4	7.8	8	7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025			< 5	112	12	< 5	5	5	5
Free Cyanide	µg/l	10	ISO 17025	10		< 5	< 5	< 5	< 5	< 5	< 5	< 5
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10								
Sulphate as SO ₄	µg/l	45	ISO 17025			8000	640000	335000	18000	80000	305000	56000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	16800		6947	5231	8526	14684	246	8000	9632
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE			15.7	17.8	12.6	8.2	14.9	22.1	13.4
Hardness - Total	mgCaCO3/l	1	ISO 17025			388	816	744	1150	424	485	880

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1		<10	<10	< 10	< 10	<10	< 10	< 10
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.66		0.04	< 0.01	< 0.01	0.59	< 0.01	0.94	0.51
Acenaphthylene	µg/l	0.01	ISO 17025			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025			0.06	< 0.01	0.05	0.18	< 0.01	1	0.54
Fluorene	µg/l	0.01	ISO 17025			0.04	< 0.01	0.03	0.11	< 0.01	0.38	0.23
Phenanthrene	µg/l	0.01	ISO 17025			0.02	< 0.01	< 0.01	0.09	< 0.01	0.27	0.15
Anthracene	µg/l	0.01	ISO 17025			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.02
Fluoranthene	µg/l	0.01	ISO 17025			< 0.01	< 0.01	0.01	0.02	< 0.01	0.02	0.04
Pyrene	µg/l	0.01	ISO 17025			0.02	< 0.01	0.04	0.03	< 0.01	0.06	0.12
Benzo(a)anthracene	µg/l	0.01	ISO 17025			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	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	NONE			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE			< 0.008	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE			0.18	< 0.01	0.13	1.02	<0.01	2.71	1.61
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025			< 5	< 5	< 5	< 5	< 5	< 5	< 5
Arsenic (dissolved)	µg/l	0.15	ISO 17025			< 5	< 5	< 5	< 5	< 5	< 5	< 5
Barium (dissolved)	µg/l	0.06	ISO 17025			534	27	525	1190	387	449	535
Beryllium (dissolved)	µg/l	0.1	ISO 17025			< 3	< 3	< 3	< 3	< 3	< 3	< 3
Boron (dissolved)	µg/l	10	ISO 17025			522	181	503	314	361	465	356
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08		< 0.4	2.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium (dissolved)	mg/l	0.012	ISO 17025			128	297	263	380	147	170	249
Chromium (hexavalent)	µg/l	5	ISO 17025	5		< 20	< 20	< 20	< 20	<20	< 20	< 20
Chromium (III)	µg/l	1	NONE									
Chromium (dissolved)	µg/l	0.2	ISO 17025			< 5	6	< 5	< 5	<5	< 5	< 5
Copper (dissolved)	µg/l	0.5	ISO 17025			< 5	5	6	< 5	<5	< 5	< 5
Lead (dissolved)	µg/l	0.2	ISO 17025	1		< 5	< 5	< 5	< 5	<5	< 5	< 5
Magnesium (dissolved)	mg/l	0.005	ISO 17025			16.3	18.2	21.1	48.6	13.5	14.7	62.8
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5		< 0.05	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025			8	222	7	25	5	5	26
Selenium (dissolved)	µg/l	0.6	ISO 17025			< 5	< 5	< 5	< 5	<5	< 5	< 5
Vanadium (dissolved)	µg/l	0.2	ISO 17025			< 5	< 5	< 5	< 5	<5	< 5	< 5
Zinc (dissolved)	µg/l	0.5	ISO 17025			< 2	87	5	6	4	< 2	8

Monoaromatics

Benzene	µg/l	1	ISO 17025	1		< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	µg/l	1	ISO 17025			< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	µg/l	1	ISO 17025			< 5	< 5	< 5	< 5	< 5	< 5	< 5
p & m-xylene	µg/l	1	ISO 17025			< 10	< 10	< 10	< 10	< 10	< 10	< 10
o-xylene	µg/l	1	ISO 17025			< 5	< 5	< 5	< 5	< 5	< 5	< 5
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025			< 10	< 10	< 10	< 10	< 10	< 10	< 10

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE			< 10	< 10	< 10	< 10	15	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE			< 70	< 70	< 70	< 70	<70	< 70	< 70

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE			< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE			< 70	< 70	< 70	< 70	< 70	< 70	< 70
Sum of TPH	µg/l	10	NONE	49		< 140	< 140	< 140	< 140	<140	< 140	< 140

					Round 41	Round 42	Round 48		
Lab Sample Number					411490	418866	Borehole removed	Borehole redrilled	1398022
Sample Reference					BH4B	BH4B			BH4BR
Sample Number					None Supplied	None Supplied			S3
Depth (m)					None Supplied	None Supplied			None Supplied
Date Sampled					24/05/2019	27/06/2019			18/12/2019
Time Taken					None Supplied	None Supplied			None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	Trigger levels					

General Inorganics

pH	pH Units	N/A	ISO 17025	6 to 9	7.2	6.9			7.7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025		< 5	34			14
Free Cyanide	µg/l	10	ISO 17025	10	< 5	< 5			< 1
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	10					
Sulphate as SO ₄	µg/l	45	ISO 17025		42000	417000			117000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	16800	916	15789			4263
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE		12.5	22.3			11.4
Hardness - Total	mgCaCO3/l	1	ISO 17025		573	1840			1000

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	1	< 10	< 10			<1.0
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	0.66	0.61	0.06			< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025		0.02	< 0.01			< 0.01
Acenaphthene	µg/l	0.01	ISO 17025		1.1	0.12			< 0.01
Fluorene	µg/l	0.01	ISO 17025		0.41	0.05			< 0.01
Phenanthrene	µg/l	0.01	ISO 17025		0.24	0.01			< 0.01
Anthracene	µg/l	0.01	ISO 17025		0.02	0.01			< 0.01
Fluoranthene	µg/l	0.01	ISO 17025		0.02	0.02			< 0.01
Pyrene	µg/l	0.01	ISO 17025		0.04	0.09			< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025		< 0.01	< 0.01			< 0.01
Chrysene	µg/l	0.01	ISO 17025		< 0.01	< 0.01			< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01			< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025		< 0.01	< 0.01			< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.01	< 0.01	< 0.01			< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE		< 0.01	< 0.01			< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE		< 0.01	< 0.01			< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE		< 0.008	< 0.008			< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE		2.46	0.36			< 0.16
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025		< 5	< 5			< 0.4
Arsenic (dissolved)	µg/l	0.15	ISO 17025		< 5	< 5			1.44
Barium (dissolved)	µg/l	0.06	ISO 17025		659	524			220
Beryllium (dissolved)	µg/l	0.1	ISO 17025		< 3	< 3			< 0.1
Boron (dissolved)	µg/l	10	ISO 17025		395	468			440
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.08	< 0.4	1.7			0.1
Calcium (dissolved)	mg/l	0.012	ISO 17025		197	623			170
Chromium (hexavalent)	µg/l	5	ISO 17025	5	< 20	< 20			< 5.0
Chromium (III)	µg/l	1	NONE						1.3
Chromium (dissolved)	µg/l	0.2	ISO 17025		< 5	< 5			1.3
Copper (dissolved)	µg/l	0.5	ISO 17025		< 5	< 5			5.2
Lead (dissolved)	µg/l	0.2	ISO 17025	1	< 5	< 5			6.3
Magnesium (dissolved)	mg/l	0.005	ISO 17025		19.9	70			140
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.5	< 0.05	< 0.05			< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025		7	28			6
Selenium (dissolved)	µg/l	0.6	ISO 17025		< 5	< 5			7.1
Vanadium (dissolved)	µg/l	0.2	ISO 17025		< 5	< 5			0.8
Zinc (dissolved)	µg/l	0.5	ISO 17025		< 2	16			16

Monoaromatics

Benzene	µg/l	1	ISO 17025	1	< 1	< 1			< 1.0
Toluene	µg/l	1	ISO 17025		< 5	< 5			< 1.0
Ethylbenzene	µg/l	1	ISO 17025		< 5	< 5			< 1.0
p & m-xylene	µg/l	1	ISO 17025		< 10	< 10			< 1.0
o-xylene	µg/l	1	ISO 17025		< 5	< 5			< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025		< 10	< 10			< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE		< 10	< 10			< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE		< 10	< 10			< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE		< 10	< 10			< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE		< 10	< 10			< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE		< 10	< 10			< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE		< 10	< 10			< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE		< 10	< 10			< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE		< 70	< 70			< 10

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE		< 10	< 10			< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE		< 10	< 10			< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE		< 10	< 10			< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE		< 10	< 10			< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE		< 10	< 10			< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE		< 10	< 10			< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE		< 10	< 10			< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE		< 70	< 70			< 10
Sum of TPH	µg/l	10	NONE	49	< 140	< 140			< 140

				Round 28	Round 29	Round 30	Round 31	Round 32	Round 33	Round 34	Round 35	Round 36	Round 37	Round 38
Lab Sample Number				938279	946304	955651	963983	Not sampled	Not sampled	358669	43367	380232	386531	393592
Sample Reference				UYB	UYB	UYB	UYB			Surface Water 2	Surface Water 2	Surface Water 2	Surface Water 2	Surface Water 2
Sample Number				EW4	EW4	EW4	EW4			Surface Water 2	Surface Water 2	Surface Water 2	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				06/04/2018	18/04/2018	03/05/2018	17/05/2018			31/08/2018	24/09/2018	19/12/2018	29/01/2019	27/02/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status											

General Inorganics

pH	pH Units	N/A	ISO 17025							7.7	7.9	7.3	8	7.9
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025							< 5	< 5	27	16	< 5
Free Cyanide	µg/l	10	ISO 17025							< 5	< 5	< 5	< 5	< 5
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025											
Sulphate as SO ₄	µg/l	45	ISO 17025							106000	60000	36000	155000	130000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	120	420	410	20			88	64	21211	317	105
Ammonia as NH ₃	µg/l	15	ISO 17025	140	500	500	25							
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE							13.8	10.7	89.3	9.4	13
Hardness - Total	mgCaCO3/l	1	ISO 17025							308	223	2600	315	316

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025			< 10				<10	<10	1140	< 10	< 10
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	< 0.01	0.03	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	0.02	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE							< 0.008	< 0.008	< 0.008	< 0.008	< 0.008

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE							< 0.01	< 0.01	< 0.01	0.06	<0.01
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025							< 5	< 5	< 5	< 5	< 5
Arsenic (dissolved)	µg/l	0.15	ISO 17025							< 5	< 5	22	< 5	< 5
Barium (dissolved)	µg/l	0.06	ISO 17025							47	26	824	37	60
Beryllium (dissolved)	µg/l	0.1	ISO 17025							< 3	< 3	< 3	< 3	< 3
Boron (dissolved)	µg/l	10	ISO 17025							119	73	375	98	174
Cadmium (dissolved)	µg/l	0.02	ISO 17025							< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium (dissolved)	mg/l	0.012	ISO 17025							101	82.3	890	99.6	101
Chromium (hexavalent)	µg/l	5	ISO 17025							< 20	< 20	< 20	< 20	<20
Chromium (III)	µg/l	1	NONE											
Chromium (dissolved)	µg/l	0.2	ISO 17025							6	< 5	< 5	< 5	<5
Copper (dissolved)	µg/l	0.5	ISO 17025							< 5	< 5	< 5	< 5	<5
Lead (dissolved)	µg/l	0.2	ISO 17025							< 5	< 5	< 5	< 5	<5
Magnesium (dissolved)	mg/l	0.005	ISO 17025							13.9	4.3	90.5	16.2	15.2
Mercury (dissolved)	µg/l	0.05	ISO 17025							< 0.05	< 0.05	0.32	< 0.05	<0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025							< 5	< 5	33	< 5	<5
Selenium (dissolved)	µg/l	0.6	ISO 17025							< 5	< 5	< 5	< 5	<5
Vanadium (dissolved)	µg/l	0.2	ISO 17025							< 5	< 5	9	< 5	<5
Zinc (dissolved)	µg/l	0.5	ISO 17025							7	12	< 2	15	11

Monoaromatics

Benzene	µg/l	1	ISO 17025							< 1	< 1	< 1	6	< 1
Toluene	µg/l	1	ISO 17025							< 5	< 5	< 5	< 5	< 5
Ethylbenzene	µg/l	1	ISO 17025							< 5	< 5	< 5	< 5	< 5
p & m-xylene	µg/l	1	ISO 17025							< 10	< 10	< 10	< 10	< 10
o-xylene	µg/l	1	ISO 17025							< 5	< 5	< 5	< 5	< 5
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025							< 10	< 10	< 10	< 10	< 10

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE							< 70	< 70	< 70	< 70	< 70

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE							< 70	< 70	< 70	< 70	< 70

[illegible]

General Inorganics

pH	pH Units	N/A	ISO 17025	8.1	7.4	8.2	8	8.4	8.3	7.8	7.9	8.1	
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 5	< 5	< 5	6	< 5	27	< 5	9	< 5	
Free Cyanide	µg/l	10	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025										
Sulphate as SO ₄	µg/l	45	ISO 17025	211000	130000	119000	58000	62000	78000	32000	127000	90000	
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	<50	69	93	< 50	< 50	272	144	<50	184	
Ammonia as NH ₃	µg/l	15	ISO 17025										
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	13.8	16.4	6.3	3.5	25.8	22.9	9.1	12.7	14.5	
Hardness - Total	mgCaCO ₃ /l	1	ISO 17025	432	400	377	227	205	292	204	348	239	

Total Phenols

[illegible]

Speciated PAHs

[illegible]

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	0.14	0.03	< 0.01	< 0.01	< 0.01	0.01	0.01	< 0.01	0.01	
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Arsenic (dissolved)	µg/l	0.15	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Barium (dissolved)	µg/l	0.06	ISO 17025	42	41	38	29	28	37	20	44	36	
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	
Boron (dissolved)	µg/l	10	ISO 17025	138	124	123	100	84	140	50	130	76	
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	
Calcium (dissolved)	mg/l	0.012	ISO 17025	137	127	121	74.4	69.2	95.8	74.5	112	77.2	
Chromium (hexavalent)	µg/l	5	ISO 17025	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	
Chromium (III)	µg/l	1	NONE										
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 5	8	< 5	< 5	9	7	< 5	< 5	7	
Copper (dissolved)	µg/l	0.5	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6	
Lead (dissolved)	µg/l	0.2	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Magnesium (dissolved)	mg/l	0.005	ISO 17025	21.6	20.2	18.5	10	7.7	12.8	4.4	16.7	11.3	
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Nickel (dissolved)	µg/l	0.5	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Vanadium (dissolved)	µg/l	0.2	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Zinc (dissolved)	µg/l	0.5	ISO 17025	5	10	4	4	5	15	8	14	10	

Monoaromatics

[illegible]

Petroleum Hydrocarbons

[illegible][illegible]

				Round 28	Round 29	Round 30	Round 31	Round 32	Round 33	Round 34	Round 35	Round 36	Round 37	Round 38
Lab Sample Number				938285	946310	955657	963989	Not sampled	Not sampled	358670	362443	380233	386532	393593
Sample Reference				MYB	MYB	MYB	MYB			Surface Water 3	Surface Water 3	Surface Water 3	Surface Water 3	Surface Water 3
Sample Number				EW10	EW10	EW10	EW10			None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				06/04/2018	18/04/2018	03/05/2018	17/05/2018			31/08/2018	24/09/2018	19/12/2018	29/01/2019	27/02/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	of detection	Limit of detection	Accreditation Status										

General Inorganics

pH	pH Units	N/A	ISO 17025							7.7	8	7.4	8.2	7.7
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025							< 5	< 5	25	< 5	6
Free Cyanide	µg/l	10	ISO 17025							< 5	< 5	< 5	< 5	<5
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025											
Sulphate as SO ₄	µg/l	45	ISO 17025							104000	59000	22000	57000	202000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	92	300	270	< 15			63.6	63.6	20105	40	108
Ammonia as NH ₃	µg/l	15	ISO 17025	110	370	330	< 15							
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE							12.8	10.6	96.4	6	15.4
Hardness - Total	mgCaCO ₃ /l	1	ISO 17025							310	232	2540	269	406

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025			< 10				< 10	< 10	1700	< 10	<10
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	0.08	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.03	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.04	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.02	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.18	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.18	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.05	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.05	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.05	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.02	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.04	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE							< 0.01	< 0.01	0.02	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE							< 0.008	< 0.008	0.03	< 0.008	< 0.008

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE							< 0.01	< 0.01	0.79	< 0.01	<0.01
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025							< 5	< 5	< 5	< 5	< 5
Arsenic (dissolved)	µg/l	0.15	ISO 17025							< 5	< 5	23	< 5	< 5
Barium (dissolved)	µg/l	0.06	ISO 17025							50	26	863	25	45
Beryllium (dissolved)	µg/l	0.1	ISO 17025							< 3	< 3	< 3	< 3	< 3
Boron (dissolved)	µg/l	10	ISO 17025							140	78	351	81	131
Cadmium (dissolved)	µg/l	0.02	ISO 17025							< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium (dissolved)	mg/l	0.012	ISO 17025							101	85.8	869	101	126
Chromium (hexavalent)	µg/l	5	ISO 17025							< 20	< 20	< 20	< 20	<20
Chromium (III)	µg/l	1	NONE											
Chromium (dissolved)	µg/l	0.2	ISO 17025							6	< 5	< 5	< 5	<5
Copper (dissolved)	µg/l	0.5	ISO 17025							< 5	< 5	< 5	5	<5
Lead (dissolved)	µg/l	0.2	ISO 17025							< 5	< 5	< 5	< 5	<5
Magnesium (dissolved)	mg/l	0.005	ISO 17025							14	4.3	90.5	4.3	22.2
Mercury (dissolved)	µg/l	0.05	ISO 17025							< 0.05	< 0.05	0.2	< 0.05	<0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025							< 5	< 5	33	< 5	< 5
Selenium (dissolved)	µg/l	0.6	ISO 17025							< 5	< 5	< 5	< 5	< 5
Vanadium (dissolved)	µg/l	0.2	ISO 17025							< 5	< 5	9	< 5	< 5
Zinc (dissolved)	µg/l	0.5	ISO 17025							8	12	< 2	22	11

Monoaromatics

Benzene	µg/l	1	ISO 17025							< 1	< 1	< 1	< 1	< 1
Toluene	µg/l	1	ISO 17025							< 5	< 5	< 5	< 5	< 5
Ethylbenzene	µg/l	1	ISO 17025							< 5	< 5	< 5	< 5	< 5
p & m-xylene	µg/l	1	ISO 17025							< 10	< 10	< 10	< 10	< 10
o-xylene	µg/l	1	ISO 17025							< 5	< 5	< 5	< 5	< 5
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025							< 10	< 10	< 10	< 10	< 10

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE							< 10	< 10	26	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE							< 10	< 10	160	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE							< 10	< 10	140	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE							< 10	< 10	43	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE							< 70	< 70	369	< 70	< 70

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE							< 10	< 10	37	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE							< 10	< 10	78	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE							< 10	< 10	17	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE							< 70	< 70	132	< 70	< 70

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General Inorganics

pH	pH Units	N/A	ISO 17025	8.1	7.5	8.4	7.8	8	8.2	7.7	7.8	8	
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 5	< 5	< 5	< 5	< 5	21	< 5	7	< 5	
Free Cyanide	µg/l	10	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025										
Sulphate as SO ₄	µg/l	45	ISO 17025	203000	130000	116000	63000	59000	78000	28000	129000	87000	
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	<50	80	166	< 50	< 50	209	134	< 50	293	
Ammonia as NH ₃	µg/l	15	ISO 17025										
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	12.9	15.4	5.9	11.6	24.3	32.5	8.3	11.2	12.7	
Hardness - Total	mgCaCO ₃ /l	1	ISO 17025	423	386	368	241	202	312	193	353	241	

Total Phenols

[illegible]

Speciated PAHs

[illegible]

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	0.07	0.03	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Arsenic (dissolved)	µg/l	0.15	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Barium (dissolved)	µg/l	0.06	ISO 17025	45	39	32	36	32	37	20	46	37	
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	
Boron (dissolved)	µg/l	10	ISO 17025	139	118	122	119	91	138	49	146	83	
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	
Calcium (dissolved)	mg/l	0.012	ISO 17025	134	122	118	78.9	69.2	102	70.6	114	77.6	
Chromium (hexavalent)	µg/l	5	ISO 17025	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	
Chromium (III)	µg/l	1	NONE										
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 5	7	< 5	8	< 5	5	< 5	< 5	8	
Copper (dissolved)	µg/l	0.5	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	6	< 5	6	
Lead (dissolved)	µg/l	0.2	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Magnesium (dissolved)	mg/l	0.005	ISO 17025	21.2	19.7	18	10.6	7.7	13.9	4.1	16.9	11.4	
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Nickel (dissolved)	µg/l	0.5	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Vanadium (dissolved)	µg/l	0.2	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Zinc (dissolved)	µg/l	0.5	ISO 17025	5	12	5	5	7	21	11	10	12	

Monoaromatics

[illegible]

Petroleum Hydrocarbons

[illegible][illegible]

				Round 28	Round 29	Round 30	Round 31	Round 32	Round 33	Round 34	Round 35	Round 36	Round 37	Round 38
Lab Sample Number				938286	946311	955658	963990	Not sampled	Not sampled	358671	362443	380234	386533	393594
Sample Reference				DYB	DYB	DYB	DYB			Surface Water 4	Surface Water 4	Surface Water 4	Surface Water 4	Surface Water 4
Sample Number				EW11	EW11	EW11	EW11			None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				06/04/2018	18/04/2018	03/05/2018	17/05/2018			31/08/2018	24/09/2018	19/12/2018	29/01/2019	27/02/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status											

General Inorganics

pH	pH Units	N/A	ISO 17025							7.6	8	7.6	8.1	7.8
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025							< 5	< 5	32	16	<5
Free Cyanide	µg/l	10	ISO 17025							< 5	< 5	< 5	< 5	<5
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025											
Sulphate as SO ₄	µg/l	45	ISO 17025							102000	59000	10000	7000	193000
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	100	250	310	210			75.7	37.8	24053	362	11473
Ammonia as NH ₃	µg/l	15	ISO 17025	120	310	370	250							
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE							12.7	10.2	90.3	10.1	15.7
Hardness - Total	mgCaCO3/l	1	ISO 17025							309	232	2420	329	389

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025			< 10				< 10	< 10	678	< 10	< 10
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01			< 0.01	< 0.01	0.07	0.02	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	0.03	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.03	0.02	< 0.01
Fluorene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	0.01	0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE							< 0.008	< 0.008	< 0.008	< 0.008	< 0.008

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE							< 0.01	< 0.01	0.11	0.08	<0.01
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025							< 5	< 5	< 5	< 5	< 5
Arsenic (dissolved)	µg/l	0.15	ISO 17025							< 5	< 5	26	< 5	< 5
Barium (dissolved)	µg/l	0.06	ISO 17025							47	25	871	40	46
Beryllium (dissolved)	µg/l	0.1	ISO 17025							< 3	< 3	< 3	< 3	< 3
Boron (dissolved)	µg/l	10	ISO 17025							139	73	189	98	135
Cadmium (dissolved)	µg/l	0.02	ISO 17025							< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Calcium (dissolved)	mg/l	0.012	ISO 17025							101	85.7	851	104	121
Chromium (hexavalent)	µg/l	5	ISO 17025							< 20	< 20	< 20	< 20	< 20
Chromium (III)	µg/l	1	NONE											
Chromium (dissolved)	µg/l	0.2	ISO 17025							6	< 5	5	7	8
Copper (dissolved)	µg/l	0.5	ISO 17025							< 5	< 5	< 5	< 5	<5
Lead (dissolved)	µg/l	0.2	ISO 17025							< 5	< 5	< 5	< 5	<5
Magnesium (dissolved)	mg/l	0.005	ISO 17025							14.1	4.5	72.7	16.8	20.9
Mercury (dissolved)	µg/l	0.05	ISO 17025							< 0.05	< 0.05	0.19	< 0.05	<0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025							< 5	< 5	34	8	<5
Selenium (dissolved)	µg/l	0.6	ISO 17025							< 5	< 5	< 5	< 5	<5
Vanadium (dissolved)	µg/l	0.2	ISO 17025							< 5	< 5	8	< 5	< 5
Zinc (dissolved)	µg/l	0.5	ISO 17025							8	12	3	13	8

Monoaromatics

Benzene	µg/l	1	ISO 17025							< 1	< 1	< 1	5	< 1
Toluene	µg/l	1	ISO 17025							< 5	< 5	< 5	< 5	< 5
Ethylbenzene	µg/l	1	ISO 17025							< 5	< 5	< 5	< 5	< 5
p & m-xylene	µg/l	1	ISO 17025							< 10	< 10	< 10	< 10	< 10
o-xylene	µg/l	1	ISO 17025							< 5	< 5	< 5	< 5	< 5
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025							< 10	< 10	< 10	< 10	< 10

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE							< 10	< 10	31	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE							< 10	< 10	48	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE							< 10	< 10	13	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE							< 70	< 70	92	< 70	< 70

TPH-CWG - Aromatic >C5 - C7	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C7 - C8	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C8 - C10	µg/l	1	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE							< 10	< 10	22	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE							< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE							< 70	< 70	< 70	< 70	< 70

[illegible]

General Inorganics

pH	pH Units	N/A	ISO 17025	8.1	7.6	8.4	7.9	8	8.2	7.6	7.9	8	
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 5	< 5	< 5	< 5	< 5	20	< 5	8	< 5	
Free Cyanide	µg/l	10	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025										
Sulphate as SO ₄	µg/l	45	ISO 17025	192000	124000	114000	61000	58000	78000	32000	132000	87000	
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	<50	<50	231	< 50	< 50	227	185	<50	234	
Ammonia as NH ₃	µg/l	15	ISO 17025										
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	11.2	15	5.4	11.8	23.8	29.2	8.7	11.2	12.9	
Hardness - Total	mgCaCO ₃ /l	1	ISO 17025	417	386	371	238	203	324	201	352	245	

Total Phenols

[illegible]

Speciated PAHs

[illegible]

Total PAH

Total EPA-16 PAHs	µg/l	0.16	NONE	0.11	0.02	< 0.01	0.01	< 0.01	0.04	< 0.01	< 0.01	0.03	
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Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	0.4	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Arsenic (dissolved)	µg/l	0.15	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Barium (dissolved)	µg/l	0.06	ISO 17025	46	37	32	35	30	39	20	45	37	
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	
Boron (dissolved)	µg/l	10	ISO 17025	150	136	137	113	90	140	50	143	82	
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	
Calcium (dissolved)	mg/l	0.012	ISO 17025	133	123	119	77.7	68.1	106	73.2	113	78.8	
Chromium (hexavalent)	µg/l	5	ISO 17025	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	
Chromium (III)	µg/l	1	NONE										
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 5	8	< 5	8	< 5	8	< 5	< 5	8	
Copper (dissolved)	µg/l	0.5	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	6	< 5	6	
Lead (dissolved)	µg/l	0.2	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<5	
Magnesium (dissolved)	mg/l	0.005	ISO 17025	20.5	19.3	18.2	10.6	7.9	14.3	4.3	17.1	11.8	
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Nickel (dissolved)	µg/l	0.5	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Vanadium (dissolved)	µg/l	0.2	ISO 17025	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Zinc (dissolved)	µg/l	0.5	ISO 17025	6	8	3	5	6	15	10	11	12	

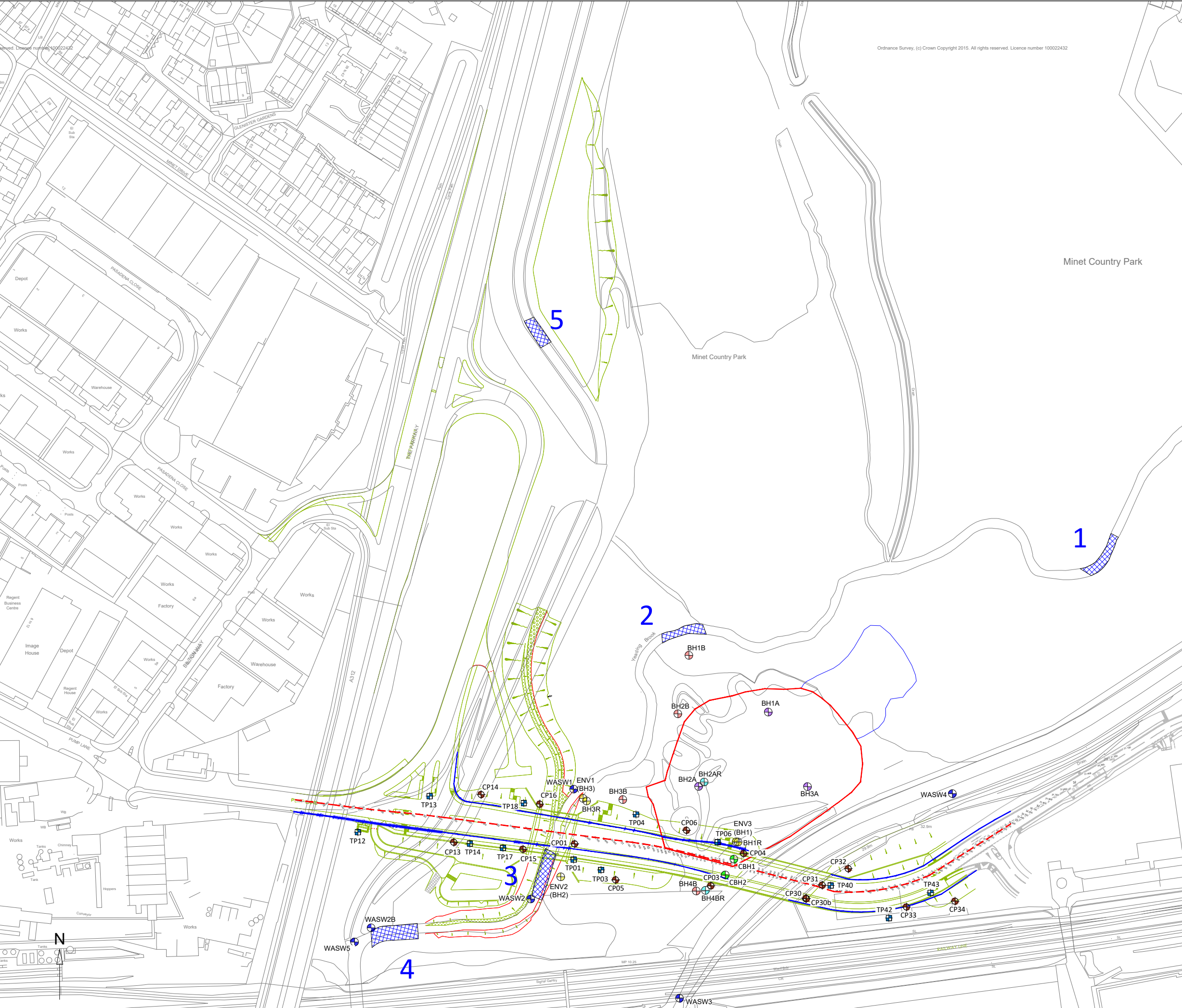
Monoaromatics

[illegible]

Petroleum Hydrocarbons

[illegible][illegible]

					Round 41	Round 42	Round 43	Round 44	Round 45	Round 46	Round 47	Round 48
Lab Sample Number					411486	418874	423314	432370	439336	445301	450400	Not sampled
Sample Reference					Surface Water 5	Surface Water 5	Surface Water 5	Surface Water 5	Surface Water 5	Surface Water 5		
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied		
Date Sampled					24/05/2019	27/06/2019	22/07/2019	30/08/2019	02/10/2019	30/10/2019	29/11/2019	
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	Units	Limit of detection	on status	Accuracy								



KEY

- St James groundwater monitoring well (Ian Farmer 2014, replacement CA Blackwell 2017)
- 'Sentinel' groundwater monitoring well (CGL 2017, replacement CGL 2019)
- Lagoon 'source' groundwater monitoring well (CGL 2017, replacement CGL 2019)
- St James' groundwater monitoring well (Ramboll Environ 2017, replacement Rambol 2018) N.B Ramboll Environ reference in brackets
- Additional piling monitoring well (Ramboll Environ 2017)
- Surface water sampling location (Ramboll Environ 2017)
- Replacement groundwater monitoring wells (CGL November 2019)
- Western Access site boundary
- Western Access road alignment
- Indicative embankment extents
- Extent of existing Lagoon Bund
- CGL surface water sampling location
- 1 Further Upstream (Yeading Brook)
- 2 Upstream (Yeading Brook)
- 3 Midstream (Yeading Brook)
- 4 Downstream (Yeading Brook)
- 5 Upstream (River Crane)

Notes

- Drawing produced from: A724-E05-PA-VEC-HW-DR-0001.
- Replacement groundwater monitoring wells indicated by suffix 'R'.

2	19/05/20	Updated replacement groundwater monitoring wells added
1	15/04/20	Replacement groundwater monitoring wells added
Rev	Date	Comments



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Project
Southall Western Access

Client
FM Conway Limited

Drawing title
Construction Monitoring Locations

Scale(s) NTS	Job No. CG/28308	
Drawn TSB 19/05/20	Dwg No. CG/28308-CML-001	Rev. 2
Checked RNS 19/05/20		
Approved RNS 19/05/20		

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3. FMC-Selected Surface Water Monitoring Records

Product Name: Low-Flow System

Date: 2019-02-13 14:15:36

Project Information:

Operator Name Helene Andersen
Company Name F M Conway
Project Name Western access
Site Name Western access
Latitude 51° 30' 12.04"
Longitude 0° 24' 21.77"
Sonde SN 526781
Turbidity Make/Model

Pump Information:

Pump Model/Type
Tubing Type
Tubing Diameter in
Tubing Length ft

Pump placement from TOC ft

Well Information:

Well ID
Well diameter in
Well Total Depth ft
Screen Length ft
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min
Total System Volume 0.09 L
Calculated Sample Rate 30 sec
Stabilization Drawdown 0 in
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	14:13:29	30.16	10.50	8.52	1146.87	--	--	8.51	95.89
Last 5	14:13:59	60.03	10.26	8.50	1160.41	--	--	8.47	90.36
Last 5	14:14:29	90.03	10.13	8.48	1167.13	--	--	8.44	86.35
Last 5	14:14:59	120.03	10.08	8.45	1171.90	--	--	8.43	83.34
Last 5	14:15:29	150.03	10.10	8.43	1173.88	--	--	8.39	81.01
Variance 0			-0.14	-0.03	6.71			-0.03	-4.01
Variance 1			-0.04	-0.02	4.77			-0.01	-3.00
Variance 2			0.01	-0.02	1.99			-0.04	-2.34

Notes

2

Grab Samples

Product Name: Low-Flow System

Date: 2019-02-13 14:05:49

Project Information:

Operator Name Helene Andersen
Company Name F M Conway
Project Name Western access
Site Name Western access
Latitude 51° 30' 21.63"
Longitude 0° 24' 16.62"
Sonde SN 526781
Turbidity Make/Model

Pump Information:

Pump Model/Type
Tubing Type
Tubing Diameter in
Tubing Length ft

Pump placement from TOC ft

Well Information:

Well ID
Well diameter in
Well Total Depth ft
Screen Length ft
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min
Total System Volume 0.09 L
Calculated Sample Rate 30 sec
Stabilization Drawdown 0 in
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	14:03:44	210.03	12.44	8.57	1028.14	--	--	14.86	94.95
Last 5	14:04:14	240.03	12.49	8.52	1028.32	--	--	14.93	92.04
Last 5	14:04:44	270.03	12.55	8.47	1028.27	--	--	14.99	89.74
Last 5	14:05:14	300.03	12.63	8.43	1027.84	--	--	14.99	87.92
Last 5	14:05:44	330.09	12.72	8.39	1027.19	--	--	15.04	86.61
Variance 0			0.06	-0.04	-0.05			0.05	-2.30
Variance 1			0.08	-0.04	-0.43			0.00	-1.82
Variance 2			0.09	-0.04	-0.64			0.05	-1.31

Notes

3

Grab Samples

Product Name: Low-Flow System

Date: 2019-02-13 14:40:09

Project Information:

Operator Name Helene Andersen
Company Name F M Conway
Project Name Western access
Site Name Western access
Latitude 51° 30' 12.95"
Longitude 0° 24' 18.04"
Sonde SN 526781
Turbidity Make/Model

Pump Information:

Pump Model/Type
Tubing Type
Tubing Diameter in
Tubing Length ft

Pump placement from TOC ft

Well Information:

Well ID
Well diameter in
Well Total Depth ft
Screen Length ft
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min
Total System Volume 0.09 L
Calculated Sample Rate 30 sec
Stabilization Drawdown 0 in
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	14:37:35	90.03	8.57	8.44	1233.33	--	--	8.49	81.19
Last 5	14:38:35	150.03	8.76	8.38	1230.75	--	--	8.35	77.66
Last 5	14:39:05	180.03	8.85	8.36	1229.11	--	--	8.30	75.69
Last 5	14:39:35	210.03	8.91	8.34	1228.65	--	--	8.26	74.18
Last 5	14:40:05	240.03	8.98	8.33	1227.59	--	--	8.21	72.98
Variance 0			0.09	-0.02	-1.64			-0.06	-1.98
Variance 1			0.06	-0.02	-0.46			-0.04	-1.51
Variance 2			0.07	-0.02	-1.05			-0.05	-1.19

Notes

4

Grab Samples

Product Name: Low-Flow System

Date: 2019-02-13 14:29:29

Project Information:

Operator Name Helene Andersen
Company Name F M Conway
Project Name Western access
Site Name Western access
Latitude 51° 30' 12.93"
Longitude 0° 24' 10.69"
Sonde SN 526781
Turbidity Make/Model

Pump Information:

Pump Model/Type
Tubing Type
Tubing Diameter in
Tubing Length ft

Pump placement from TOC ft

Well Information:

Well ID
Well diameter in
Well Total Depth ft
Screen Length ft
Depth to Water ft

Pumping Information:

Final Pumping Rate 0 mL/min
Total System Volume 0.09 L
Calculated Sample Rate 30 sec
Stabilization Drawdown 0 in
Total Volume Pumped 0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	14:27:19	30.10	9.14	8.59	996.29	--	--	10.68	85.64
Last 5	14:27:49	60.03	8.95	8.57	1003.54	--	--	10.79	82.80
Last 5	14:28:19	90.03	8.80	8.55	1008.72	--	--	10.87	80.27
Last 5	14:28:49	120.03	8.71	8.53	1011.84	--	--	10.95	78.25
Last 5	14:29:19	150.03	8.66	8.52	1013.85	--	--	11.01	76.47
Variance 0			-0.14	-0.02	5.17			0.08	-2.53
Variance 1			-0.09	-0.02	3.12			0.08	-2.02
Variance 2			-0.05	-0.01	2.01			0.06	-1.78

Notes

5

Grab Samples