



Surface Water Monitoring

EPL No:	11584
Date of Sampling	22/8/2019
Date of Reported Results	29/8/2019

Pollutant	Unit*	Frequency	Limits	Monitoring Location Identification		
				HPSW1 (1)	HPSW2 (6)	HPSW3 (7)
pH	pH	Quarterly		8.03	7.93	7.04
Electrical Conductivity (EC)	µS/cm	Quarterly		1100	984	713
Total Dissolved Solids (TDS)	mg/L	Quarterly		587	512	395
Total Suspended Solids (TSS)	mg/L	Quarterly		8	6	26
Alkalinity as CaCO ₃	mg/L	Quarterly		81	161	97
Aluminium	mg/L	Annual				
Arsenic	mg/L	Annual				
Barium	mg/L	Annual				
Cadmium	mg/L	Annual				
Total Chromium	mg/L	Annual				
Hexavalent Chromium	mg/L	Annual				
Cobalt	mg/L	Annual				
Copper	mg/L	Annual				
Lead	mg/L	Annual				
Mercury	mg/L	Annual				
Zinc	mg/L	Annual				
Ammonia as N	mg/L	Quarterly		0.52	<0.01	0.05
Nitrite and Nitrate as N	mg/L	Quarterly		3.85	<0.01	0.07
Phosphorus as P – total	mg/L	Annual				
Total Phenolics	mg/L	Quarterly		<0.05	<0.05	<0.05
Total Organic Carbon	mg/L	Quarterly		13	13	6
Biochemical Oxygen Demand	mg/L	Quarterly		<2	4	4
Chlorinated volatile compounds (CVC)	µg/L	Annual				
Organochlorine pesticides (OCP)	µg/L	Annual				
Organophosphate pesticides (OPP)	µg/L	Annual				
Polychlorinated biphenyls (PCB)	µg/L	Annual				
Polycyclic aromatic hydrocarbons (PAH)	µg/L	Annual				
Total Petroleum Hydrocarbons (TPH)						
C6 – C9 Fraction	µg/L	Annual				
C10 – C14 Fraction	µg/L	Annual				
C15 – C28 Fraction	µg/L	Annual				
C29 – C36 Fraction	µg/L	Annual				
BTEX						
Benzene	µg/L	Annual				
Toluene	µg/L	Annual				
Ethylbenzene	µg/L	Annual				
meta- & para Xylene	µg/L	Annual				
ortho - Xylene	µg/L	Annual				

* Unit of Measure Abbreviations	
Metres	m
Microsiemens per centimetre	µS/cm
Milligrams per Litre	mg/L
Micrograms per Litre	µg/L