

Controlled Waters: Leachate Screening Tables

				2931490	2932492		
Lab Sample Number				TP01	S13-WS/DP01		
Sample Reference				1	2		
Sample Number				0.10-0.20	0.15-0.25		
Depth (m)				16/01/2024	15/01/2024		
Date Sampled				None Supplied	None Supplied	Screening	
Time Taken							
Analytical Parameter (Leachate Analysis)	Units	Limit of detection	Accreditation Status	Value		Screening Limit	Criteria
General Inorganics							
pH (automated)	pH Units	N/A	ISO 17025	7.9	7.8	6 to 9	
Total Cyanide	µg/l	10	ISO 17025	<10	< 10	-	-
Chloride	mg/l	0.15	ISO 17025	2.7	1.3	250000 EQS	
Ammoniacal Nitrogen as N	µg/l	15	NONE	85	190	300 EQS	
Total Phenols							
Total Phenols (monohydric)	µg/l	10	ISO 17025	<10	<10	-	-
Speciated PAHs							
Naphthalene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Acenaphthylene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Acenaphthene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Fluorene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Phenanthrene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Chrysene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01	-	-
Benzo(a)pyrene	µg/l	0.01	NONE	< 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	< 0.01	< 0.01	-	-
Total PAH							
Total EPA-16 PAHs	µg/l	0.2	NONE	0.2	< 0.2	No Limit Given	
Heavy Metals / Metalloids							
Antimony (dissolved)	µg/l	1.7	ISO 17025	< 1.7	< 1.7	-	-
Arsenic (dissolved)	µg/l	1	ISO 17025	2	2.5	50 EQS	
Beryllium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	-	-
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08	< 0.08	-	-
Chromium (dissolved)	µg/l	0.4	ISO 17025	4	3.7	4.7 EQS	
Copper (dissolved)	µg/l	0.7	ISO 17025	37	21	1 EQS	
Lead (dissolved)	µg/l	1	ISO 17025	9.4	2.6	1.2 EQS	
Manganese (dissolved)	µg/l	0.06	ISO 17025	46	49	123 EQS	
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5	< 0.5	-	-
Nickel (dissolved)	µg/l	0.3	ISO 17025	3.1	2.2	4 EQS	
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0	< 4.0	-	-
Vanadium (dissolved)	µg/l	1.7	ISO 17025	6.4	7.3	20 EQS	
Zinc (dissolved)	µg/l	0.4	ISO 17025	34	26	13.2 EQS	
Calcium (dissolved)	mg/l	0.012	ISO 17025	21	20	No Limit Given	
Monoaromatics & Oxygenates							
Benzene	µg/l	3	NONE	<3.0	< 3.0	-	-
Toluene	µg/l	3	NONE	<3.0	< 3.0	-	-
Ethylbenzene	µg/l	3	NONE	<3.0	< 3.0	-	-
p & m-xylene	µg/l	3	NONE	<3.0	< 3.0	-	-
o-xylene	µg/l	3	NONE	<3.0	< 3.0	-	-