

Human Health: Soil Screening Tables									
Lab Sample Number	2931488	2931489	2932490	2932491					
Sample Reference	TP02	TP01	S13-WS/DP01	S13-WS/DP01					
Sample Number	1	1	1	2					
Depth (m)	0.10-0.20	0.10-0.20	0.05-0.10	0.15-0.25					
Date Sampled	16/01/2024	16/01/2024	15/01/2024	15/01/2024					
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	Screening				
Analytical Parameter (soil Analysis)	Units	Limit of detection	Accreditation Status					Resi w/out Plant uptake	Commercial
Stone Content	%	0.1	NONE	<0.1	<0.1	< 0.1	< 0.1	-	-
Moisture Content	%	0.01	NONE	21	19	12	17	-	-
Total mass of sample received	kg	0.001	NONE	1.3	1.2	1.3	1.2	-	-
Asbestos in Soil	Type	N/A	ISO 17025	not detected	not detected	Not-detected	Not-detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	WEM	WEM	WEM	WEM	-	-
General Inorganics									
pH - Automated	pH units	N/A	MCERTS	8	8	8.4	8.3	-	-
Total Cyanide	mg/kg	1	MCERTS	<1	<1	< 1.0	< 1.0	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.5	2.9	0.6	3.2	-	-
Total Phenols									
Total Phenols (monohydric)	mg/kg	1	MCERTS	<1.0	<1.0	< 1.0	< 1.0	-	-
Speciated PAHs									
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.51	< 0.05	0.17	1300 LQM 1%	22000 LQM 1%
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.17	< 0.05	< 0.05	31000 LQM 1%	520000 LQM 1%
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	1.9	< 0.05	0.38	1500 LQM 1%	23000 LQM 1%
Pyrene	mg/kg	0.05	MCERTS	< 0.05	1.9	< 0.05	0.36	3700 LQM 1%	54000 LQM 1%
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	1.6	< 0.05	0.21	11 LQM 1%	170 LQM 1%
Chrysene	mg/kg	0.05	MCERTS	< 0.05	1.7	< 0.05	0.22	30 LQM 1%	350 LQM 1%
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	4	< 0.05	0.27	3.9 LQM 1%	44 LQM 1%
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	1.5	< 0.05	0.11	110 LQM 1%	1200 LQM 1%
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	3.9	< 0.05	0.2	3.2 LQM 1%	35 LQM 1%
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	2.1	< 0.05	0.12	45 LQM 1%	500 LQM 1%
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.52	< 0.05	< 0.05	0.31 LQM 1%	3.5 LQM 1%
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	2.2	< 0.05	0.14	360 LQM 1%	3900 LQM 1%
Total PAH									
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	22	< 0.80	2.18	no limit given	no limit given
Heavy Metals / Metalloids									
Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	3.7	3.4	2.8	3.2	550 Arup GAC	7500 Arup GAC
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	19	18	13	19	40 LQM 1%	640 LQM 6%
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.3	1.1	1.5	1.2	1.7 LQM 6%	12 LQM 6%
Boron (water soluble)	mg/kg	0.2	MCERTS	1.7	0.8	0.3	0.9	11000 LQM 6%	240000 LQM 6%
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.7	1	< 0.2	1	85 LQM 1%	190 LQM 6%
Chromium (hexavalent)	mg/kg	1.8	MCERTS	<1.8	-	< 1.8	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	34	30	29	43	910 LQM 6%	8600 LQM 6%
Copper (aqua regia extractable)	mg/kg	1	MCERTS	29	24	11	33	7100 LQM 6%	68000 LQM 6%

Lead (aqua regia extractable)	mg/kg	1 MCERTS	110	110	21	76	310 C4SL 6%	7300 Arup GAC
Mercury (aqua regia extractable)	mg/kg	0.3 MCERTS	<0.3	< 0.3	< 0.3	< 0.3	-	-
Nickel (aqua regia extractable)	mg/kg	1 MCERTS	30	26	13	28	180 LQM 6%	980 LQM 6%
Selenium (aqua regia extractable)	mg/kg	1 MCERTS	<1.0	< 1.0	< 1.0	< 1.0	-	-
Vanadium (aqua regia extractable)	mg/kg	1 MCERTS	47	42	34	39	1200 LQM 6%	9000 LQM 6%
Zinc (aqua regia extractable)	mg/kg	1 MCERTS	140	180	40	110	40000 LQM 6%	730000 LQM 6%
Monoaromatics & Oxygenates								
Benzene	ug/kg	5 MCERTS	<5	<5	< 5.0	< 5.0	-	-
Toluene	ug/kg	5 MCERTS	<5	<5	< 5.0	< 5.0	-	-
Ethylbenzene	ug/kg	5 MCERTS	<5	<5	< 5.0	< 5.0	-	-
p & m-xylene	ug/kg	5 MCERTS	<5	<5	< 5.0	< 5.0	-	-
o-xylene	ug/kg	5 MCERTS	<5	<5	< 5.0	< 5.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	ug/kg	5 NONE	<5	<5	< 5.0	< 5.0	-	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.02 NONE	<0.02	<0.02	< 0.020	< 0.020	-	-
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.02 NONE	<0.02	<0.02	< 0.020	< 0.020	-	-
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.05 NONE	<0.05	<0.05	< 0.050	< 0.050	-	-
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1 MCERTS	<1	<1	< 1.0	< 1.0	-	-
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2 MCERTS	<2	<2	< 2.0	< 2.0	-	-
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8 MCERTS	<8	<8	< 8.0	< 8.0	-	-
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8 MCERTS	<8	<8	< 8.0	< 8.0	-	-
TPH-CWG - Aliphatic > EC35 - EC44 EH_CU_1D_AL	mg/kg	8.4 NONE	<8.4	<8.4	< 8.4	< 8.4	-	-
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10 NONE	<10	<10	< 10	< 10	-	-
TPH-CWG - Aliphatic (EC5 - EC44) EH_CU+HS_1D_AL	mg/kg	10 NONE	<10	<10	< 10	< 10	-	-
TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01 NONE	<0.01	<0.01	< 0.010	< 0.010	-	-
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01 NONE	<0.01	<0.01	< 0.010	< 0.010	-	-
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05 NONE	<0.05	<0.05	< 0.050	< 0.050	-	-
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1 MCERTS	<1	<1	< 1.0	< 1.0	-	-
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2 MCERTS	<2	<2	< 2.0	< 2.0	-	-
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10 MCERTS	<10	<10	< 10	< 10	-	-
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10 MCERTS	<10	18	< 10	< 10	1900 LQM 1%	28000 LQM 1%
TPH-CWG - Aromatic > EC35 - EC44 EH_CU_1D_AR	mg/kg	8.4 NONE	<8.4	<8.4	< 8.4	< 8.4	-	-
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_1D_AR	mg/kg	10 NONE	<10	21	< 10	< 10	no limit given	no limit given
TPH-CWG - Aromatic (EC5 - EC44) EH_CU+HS_1D_AR	mg/kg	10 NONE	<10	23	< 10	< 10	no limit given	no limit given