

GEOTECHNICS & CONCRETE ENGINEERING (H.K.) LTD
Sediment Quality Report
Project: GROUND INVESTIGATION FOR TUNG CHUNG LINE EXTENSION
Order No.: CONTRACT NO.
Drillhole: TCE EDH 109

Analyte Description			Silver	Arsenic	Cadmium	Chromium	Copper	Nickel	Lead	Zinc	Mercury	Total Polychlorinated biphenyls	Low M.W. PAHs	High M.W. PAHs	Tributyl Tin	Classification
Unit (In dry Wt basis)			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	ug TBT/L	
Reporting Limits			0.1	1	0.2	1	1	1	1	1	0.05	18	550	1700	0.015	
Lower Chemical Exceedance Level (LCEL)			1	12	1.5	80	65	40	75	200	0.5	23	550	1700	0.15	
Upper Chemical Exceedance Level (UCEL)			<u>2</u>	<u>42</u>	<u>4</u>	<u>160</u>	<u>110</u>	<u>40</u>	<u>110</u>	<u>270</u>	<u>1</u>	<u>180</u>	<u>3160</u>	<u>9600</u>	<u>0.15</u>	
10 x (LCEL)			<u>10</u>	<u>120</u>	<u>15</u>	<u>800</u>	<u>650</u>	<u>400</u>	<u>750</u>	<u>2000</u>	<u>5</u>	<u>230</u>	<u>5500</u>	<u>17000</u>	<u>1.5</u>	
Sample Description																
ALS Lab ID	Sample ID	Sampling Date														
HK2116839001	TCE EDH 109 9.30-9.75m, 9.80-10.25m	27/04/2021	<0.1	9	<0.2	31	12	22	30	74	<0.05	<18	<550	<1700	<0.015	L
HK2116839002	TCE EDH 109 10.30-10.75m, 10.80-11.25m	27/04/2021	0.1	7	<0.2	31	13	22	32	73	<0.05	<18	<550	<1700	<0.015	L
HK2116839003	TCE EDH 109 11.30-11.75m, 11.80-12.25m	27/04/2021	<0.1	9	<0.2	32	13	23	33	79	<0.05	<18	<550	<1700	<0.015	L
HK2116839004	TCE EDH 109 12.30-12.75m, 12.80-13.25m	27/04/2021	<0.1	9	<0.2	33	13	24	32	78	<0.05	<18	<550	<1700	<0.015	L

Bold: Value that exceed LCEL

Bold Italic and Underlined: Value that exceed UCEL

Bold and Underlined: Value that exceed 10 x LCEL

Total PCB: Total PCBs calculated through summation of the 18 PCB congeners, based on raw data above the limit of detection of 1ug/kg.

For detailed information on the individual congeners please refer to the certificate of analysis for the work order.

IS Denoted: Insufficient interstitial water generated for TBT analysis.

Category L: Analytical results less than or equal to Lower Chemical Exceedance Level (LCEL)

Category M: Analytical results greater than Lower Chemical Exceedance Level (LCEL), but less than or equal to Upper Chemical Exceedance Level (UCEL)

Category H: Analytical results greater than Upper Chemical Exceedance Level (UCEL)

Category 10xLCEL: Analytical results greater than 10x Lower Chemical Exceedance Level (10xLCEL)