

Sampling Location Sampling Depth			Laboratory Testing Results of Tested Parameters									Relevant RBRGs ¹				Exceedance in RBRGs / Soil Saturation Limit
			EN1			EN2			EN3			Industrial	Public Park	Lower of Industrial or Public Park ¹	Soil Saturation Limit	
Parameter	Unit	Detection Limit	0.50 - 0.95 m	1.50 - 1.95 m	3.00 - 3.45 m	0.50 - 0.95 m	1.50 - 1.95 m	3.00 - 3.25 m	0.50 - 0.95 m	1.50 - 1.95 m	3.00 - 3.45 m					
Total Chromium	mg/kg	1	11	5	4	2	2	3	6	2	2	1960 ^A	735 ^A	735 ^A	-	No
Total Copper	mg/kg	1	2	6	33	5	2	6	2	<1	9	10000*	9790	9790	-	No
Total Lead	mg/kg	1	29	60	23	10	26	28	65	66	25	2290	857	857	-	No
Total Zinc	mg/kg	10	44	130	95	82	110	82	43	36	76	10000*	10000*	10000*	-	No
Acenaphthene	mg/kg	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	10000*	10000*	10000*	60.2	No
Acenaphthylene	mg/kg	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	10000*	10000*	10000*	19.8	No
Anthracene	mg/kg	0.005	<0.005	<0.005	0.0074	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	10000*	10000*	10000*	2.56	No
Benzo(a)pyrene	mg/kg	0.005	<0.005	0.014	0.029	<0.005	<0.005	<0.005	<0.005	<0.005	0.038	9.18	3.83	3.83	-	No
Chrysene	mg/kg	0.005	<0.005	0.011	0.028	<0.005	<0.005	<0.005	<0.005	<0.005	0.027	1140	1540	1140	-	No
Fluorene	mg/kg	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	10000*	7450	7450	54.7	No
Naphthalene	mg/kg	0.005	0.0075	0.0071	0.0066	0.0071	0.0064	0.0068	0.0069	0.006	0.0083	453	914	453	125	No
Pyrene	mg/kg	0.005	<0.005	0.023	0.064	<0.005	<0.005	<0.005	<0.005	<0.005	0.035	10000*	5720	5720	-	No
1,2-dibromoethane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
1,1-dichloroethane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
1,2-dichloroethane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
1,1,1-trichloroethane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
1,2-dichlorobenzene	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
1,3-dichlorobenzene	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
1,4-dichlorobenzene	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
2,2,3-trimethyl pentane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
2,2,4-trimethyl pentane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
2,2-dimethyl pentane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
2,3,4-trimethyl pentane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
2,3-dimethyl pentane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
2,4-dimethyl pentane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
2-methyl heptane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
2-methyl hexane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
3,3-dimethyl pentane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
3-methyl heptane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
3-methyl hexane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
4-methyl heptane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
Benzene	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	9.21	42.2	9.21	336	No
Chloroform	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	1.54	253	1.54	1100	No
Dichloromethane	mg/kg	0.002	0.0027	0.0023	0.002	0.003	0.0031	0.0025	0.0026	0.0025	0.0028	-	-	-	-	N/A
Ethyl benzene	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	8240	10000*	8240	138	No
Heptane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
m,p-xylene	mg/kg	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	-	-	-	N/A
o-xylene	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
Total xylene	mg/kg	0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	1230	10000*	1230	150	No
Nonane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
Octane	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
Tetrachloroethylene	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.777	1.84	0.777	97.1	No
Carbon tetrachloride	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	-	-	-	-	N/A
Toluene	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0021	10000*	10000*	10000*	235	No
Trichloroethene	mg/kg	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	5.68	69.4	5.68	488	No
TPH (C6-C9)	mg/kg	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	10000 [#]	10000 [#]	10000 [#]	1000 [#]	No
TPH (C10-C14)	mg/kg	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-	-	-	-	N/A
TPH (C15-C28)	mg/kg	20	<20	42	33	<20	<20	30	<20	<20	63	-	-	-	-	N/A
TPH (C29-C36)	mg/kg	25	<25	48	34	<25	<25	31	<25	<25	<25	-	-	-	-	N/A
Total (TPH (C6-C9), (C10-C14) & (C15-C28)) ²	mg/kg	27	<27	42	33	<27	<27	30	<27	<27	63	10000 [#]	10000 [#]	10000 [#]	3000 [#]	No
Total (TPH (C15-C28) & (C29-C36)) ²	mg/kg	45	<45	90	67	<45	<45	61	<45	<45	63	10000 [#]	10000 [#]	10000 [#]	5000 [#]	No

Note:

- As the future land uses of the Project are roads, cycling tracks, pedestrian walkways and footbridges, the Lower of Industrial or Public Park land use scenario is adopted.
 - If values above and below the detection limits for the relevant TPH carbon ranges are identified, the total value for the TPH carbon range is derived from the values above the detection limit only.
- * indicates a 'ceiling limit' concentration.
^A indicates the relevant RBRGs for Chromium VI.
[#] indicates the relevant RBRGs and saturation limits for the 3 separate Petroleum Carbon Ranges:
 C6 – C8 for TPH (C6-C9);
 C9 – C16 for Total (TPH (C6-C9), (C10-C14) & (C15-C28)); and
 C17 – C35 for Total (TPH (C15-C28) & (C29-C36)).

Full analytical results should be referred to Appendix Q of Approved EIA Report for Trunk Road T4 in Sha Tin (Register No.: AEIAR-084/2005).