

**Kowloon Southern Link - KDB300 and KDB400 Tunnels, Jordan Road to Nam Cheong Station Overrun**  
Baseline Monitoring Results

**AGM1**

Parameter	Unit	R.L.	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	27.2	27.2	27.4	27.4	27.1	27.1	27.1	27.2
pH	pH	0.1	7.7	7.8	7.6	7.6	7.6	7.6	7.6	7.6
Groundwater level	mPD	0.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Mercury (Dissolved)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Mercury (Total)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Cadmium (Dissolved)	µg/L	0.2	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	0.21
Cadmium (Total)	µg/L	0.2	<0.2	<0.2	0.3	0.3	<0.2	<0.2	<0.2	0.23
Copper (Dissolved)	µg/L	1	1	1	1	<1	3	3	2	1.71
Copper (Total)	µg/L	1	2	1	2	2	6	7	3	3.29
Lead (Dissolved)	µg/L	1	6	17	27	18	2	2	4	10.86
Lead (Total)	µg/L	1	33	28	45	50	37	40	11	34.86
Zinc (Dissolved)	µg/L	10	26	19	24	26	32	29	12	24.00
Zinc (Total)	µg/L	10	35	19	32	35	100	116	20	51.00
C6 - C9 Fraction	µg/L	20	<20	<20	<20	<20	<20	<20	<20	20.00
C10 - C14 Fraction	µg/L	25	47	<25	<25	<25	33	78	<25	36.86
C15 - C28 Fraction	µg/L	25	342	88	53	95	263	304	184.00	189.86
C29 - C36 Fraction	µg/L	25	138	<25	<25	27	61	87	48.00	58.71
TPH (Total)	µg/L	95	547	158	123	167	377	489	277	305.43

**AGM2**

Parameter	Unit	R.L.	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	27	26.9	27.2	27	26.8	26.7	26.8	26.9
pH	pH	0.1	7.2	7.2	7.4	7.4	7.5	7.5	7.5	7.4
Groundwater level	mPD	0.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Mercury (Dissolved)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Mercury (Total)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Cadmium (Dissolved)	µg/L	0.2	0.3	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.21
Cadmium (Total)	µg/L	0.2	0.5	0.4	0.2	<0.2	<0.2	0.2	<0.2	0.27
Copper (Dissolved)	µg/L	1	3	2	1	<1	10	10	3	4.29
Copper (Total)	µg/L	1	5	3	2	<1	19	20	4	7.71
Lead (Dissolved)	µg/L	1	12	17	2	1	1	1	2	5.14
Lead (Total)	µg/L	1	97	40	27	15	42	62	14	42.43
Zinc (Dissolved)	µg/L	10	20	19	10	<10	25	27	11	17.43
Zinc (Total)	µg/L	10	50	22	19	12	156	154	30	63.29
C6 - C9 Fraction	µg/L	20	<20	<20	<20	40	<20	<20	<20	22.86
C10 - C14 Fraction	µg/L	25	50	45	<25	26	88	166	29.00	61.29
C15 - C28 Fraction	µg/L	25	359	309	183	194	705	971	301.00	431.71
C29 - C36 Fraction	µg/L	25	143	74	45	40	208	335	108.00	136.14
TPH (Total)	µg/L	95	572	448	273	300	1021	1492	458	652.00

**AGM3**

Parameter	Unit	R.L.	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	26.4	26.5	26.9	27.1	26.5	26.4	26.6	26.6
pH	pH	0.1	7.5	7.5	7.4	7.4	7.5	7.6	7.5	7.5
Groundwater level	mPD	0.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Mercury (Dissolved)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Mercury (Total)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Cadmium (Dissolved)	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20
Cadmium (Total)	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20
Copper (Dissolved)	µg/L	1	<1	<1	<1	<1	<1	<1	<1	1.00
Copper (Total)	µg/L	1	4	<1	1	<1	2	2	3	2.00
Lead (Dissolved)	µg/L	1	<1	<1	<1	<1	<1	<1	3	1.29
Lead (Total)	µg/L	1	28	4	8	4	16	18	16	13.43
Zinc (Dissolved)	µg/L	10	<10	<10	<10	<10	<10	20	<10	11.43
Zinc (Total)	µg/L	10	164	13	36	27	41	32	34	13.00
C6 - C9 Fraction	µg/L	20	<20	<20	<20	<20	<20	<20	<20	20.00
C10 - C14 Fraction	µg/L	25	46	43	<25	31	42	58	36.00	40.14
C15 - C28 Fraction	µg/L	25	443	208	122	208	351	448	417.00	313.86
C29 - C36 Fraction	µg/L	95	171	52	52	75	148	214	185.00	128.14
TPH (Total)	µg/L	95	680	323	219	334	561	740	658	502.14

**AGM4**

Parameter	Unit	R.L.	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	27.6	27.7	27.6	27.9	27.3	27	27	27.4
pH	pH	0.1	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.7
Groundwater level	mPD	0.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Mercury (Dissolved)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Mercury (Total)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Cadmium (Dissolved)	µg/L	0.2	0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.20
Cadmium (Total)	µg/L	0.2	0.3	0.3	0.2	<0.2	<0.2	<0.2	<0.2	0.23
Copper (Dissolved)	µg/L	1	<1	<1	<1	<1	<1	1	<1	1.00
Copper (Total)	µg/L	1	2	1	1	<1	<1	<1	2	1.29
Lead (Dissolved)	µg/L	1	26	42	26	18	2	3	4	17.29
Lead (Total)	µg/L	1	75	70	56	30	8	13	14	38.00
Zinc (Dissolved)	µg/L	10	22	10	<10	<10	<10	<10	<10	11.71
Zinc (Total)	µg/L	10	27	10	12	<10	<10	<10	10	12.71
C6 - C9 Fraction	µg/L	20	<20	<20	<20	<20	<20	<20	<20	20.00
C10 - C14 Fraction	µg/L	25	30	35	<25	33	32	45	32.00	33.14
C15 - C28 Fraction	µg/L	25	108	91	<25	122	188	235	188.00	136.71
C29 - C36 Fraction	µg/L	25	37	<25	<25	26	<25	31	48.00	31.00
TPH (Total)	µg/L	95	195	171	95	201	265	331	288	220.86

**Kowloon Southern Link - KDB300 and KDB400 Tunnels, Jordan Road to Nam Cheong Station Overrun**  
Baseline Monitoring Results

**AGM5a**

parameter	unit	R.L	06-Jul-06	07-Jul-06	08-Jul-06	09-Jul-06	10-Jul-06	11-Jul-06	12-Jul-06	Average
Temperature	Degree	0.1	26	26	26.3	26.2	26.2	26.3	26.2	26.2
pH	pH	0.1	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.1
Groundwater level	mPD	0.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Mercury (Dissolved)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Mercury (Total)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Cadmium (Dissolved)	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20
Cadmium (Total)	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20
Copper (Dissolved)	µg/L	1	<1	<1	1	1	1	<1	<1	1.00
Copper (Total)	µg/L	1	1	1	1	1	<1	1	<1	1.00
Lead (Dissolved)	µg/L	1	2	<1	<1	<1	<1	<1	<1	1.14
Lead (Total)	µg/L	1	8	7	5	5	4	5	5	5.57
Zinc (Dissolved)	µg/L	10	<10	<10	<10	<10	<10	<10	<10	10.00
Zinc (Total)	µg/L	10	<10	<10	<10	<10	<10	<10	<10	10.00
C6 - C9 Fraction	µg/L	20	124	114	37	41	43	30	35.00	60.57
C10 - C14 Fraction	µg/L	25	38	42	<25	26	26	29	28.00	30.57
C15 - C28 Fraction	µg/L	25	720	791	651	773	913	803	840.00	784.43
C29 - C36 Fraction	µg/L	25	40	40	<25	<25	27	27	29.00	30.43
TPH (Total)	µg/L	95	922	987	738	865	1009	889	932	906.00

**AGM6**

parameter	unit	R.L	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	26.4	26.6	27	26.9	26.2	26	26.1	26.5
pH	pH	0.1	7.5	7.5	7.4	7.5	7.5	7.5	7.4	7.5
Groundwater level	mPD	0.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Mercury (Dissolved)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Mercury (Total)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Cadmium (Dissolved)	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20
Cadmium (Total)	µg/L	0.2	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.21
Copper (Dissolved)	µg/L	1	<1	<1	<1	<1	<1	<1	<1	1.00
Copper (Total)	µg/L	1	<1	<1	<1	<1	<1	<1	<1	1.00
Lead (Dissolved)	µg/L	1	4	<1	<1	<1	<1	<1	<1	1.43
Lead (Total)	µg/L	1	23	6	4	4	4	4	6	7.29
Zinc (Dissolved)	µg/L	10	<10	<10	<10	<10	<10	<10	<10	10.00
Zinc (Total)	µg/L	10	<10	<10	<10	<10	<10	<10	<10	10.00
C6 - C9 Fraction	µg/L	20	<20	<20	<20	<20	<20	<20	<20	20.00
C10 - C14 Fraction	µg/L	25	36	<25	<25	<25	<25	25	<25	26.57
C15 - C28 Fraction	µg/L	25	210	158	67	112	166	178	161.00	150.29
C29 - C36 Fraction	µg/L	25	25	29	<25	<25	25	<25	28.00	26.00
TPH (Total)	µg/L	95	291	232	137	182	236	248	234	222.86

**AGM7**

parameter	unit	R.L	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	26.8	26.7	27.5	27.4	26.9	26.8	26.4	26.9
pH	pH	0.1	7.5	7.5	7.6	7.6	7.5	7.4	7.4	7.5
Groundwater level	mPD	0.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Cadmium(Dissolved)	µg/L	0.2	0.8	<0.2	0.8	0.6	0.6	0.6	<0.2	0.54
Cadmium(Total)	µg/L	0.2	1	0.9	0.8	0.8	0.8	0.6	0.4	0.76
C6 - C9 Fraction	µg/L	20	107	72	<20	102	93	91	64	78.43
C10 - C14 Fraction	µg/L	25	78	89	64	123	94	103	74	89.29
C15 - C28 Fraction	µg/L	25	290	230	206	301	299	259	264	264.14
C29 - C36 Fraction	µg/L	25	48	59	56	62	52	54	110	63.00
TPH (Total)	µg/L	95	523	450	346	588	538	507	512	494.86

**R1**

parameter	unit	R.L	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	27.2	27.2	27.4	27.4	27.1	27.1	27.1	27.2
pH	pH	0.1	7.7	7.8	7.6	7.6	7.6	7.6	7.6	7.6
Groundwater level	mPD	0.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Mercury (Dissolved)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Mercury (Total)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Cadmium (Dissolved)	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20
Cadmium (Total)	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20
Copper (Dissolved)	µg/L	1	<1	<1	<1	<1	<1	<1	<1	1.00
Copper (Total)	µg/L	1	6	3	3	3	3	2	4	3.43
Lead (Dissolved)	µg/L	1	1	2	2	2	3	<1	<1	1.71
Lead (Total)	µg/L	1	76	49	33	27	45	31	26	41.00
Zinc (Dissolved)	µg/L	10	<10	<10	<10	<10	<10	<10	<10	10.00
Zinc (Total)	µg/L	10	25	<10	12	12	17	14	20	15.71
C6 - C9 Fraction	µg/L	20	113	97	28	188	55	34	<20	76.43
C10 - C14 Fraction	µg/L	25	84	137	90	58	399	588	<25	197.29
C15 - C28 Fraction	µg/L	25	283	291	225	362	512	797	154.00	374.86
C29 - C36 Fraction	µg/L	25	84	88	92	88	123	109	<25	87.00
TPH (Total)	µg/L	95	564	613	435	696	1089	1528	224	735.57

**Kowloon Southern Link - KDB300 and KDB400 Tunnels, Jordan Road to Nam Cheong Station Overrun**  
Baseline Monitoring Results

**R2**

parameter	unit	R.L	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	26.8	27	27	26.8	26.5	26.3	26.5	26.7
pH	pH	0.1	7.4	7.5	7.8	7.8	8.1	8.1	8.1	7.8
Groundwater level	mPD	0.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Cadmium(Dissolved)	µg/L	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20
Cadmium(Total)	µg/L	0.2	0.4	0.2	<0.2	<0.2	<0.2	0.2	<0.2	0.23
C6 - C9 Fraction	µg/L	20	<20	21	<20	<20	<20	<20	<20	20.14
C10 - C14 Fraction	µg/L	25	54	57	32	32	146	262	48	90.14
C15 - C28 Fraction	µg/L	25	214	153	103	101	525	552	353	285.86
C29 - C36 Fraction	µg/L	25	60	51	38	32	506	477	358	217.43
TPH (Total)	µg/L	95	348	282	193	185	1197	1311	779	613.57

**M1**

parameter	unit	R.L	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	26.5	26.6	26.9	26.9	26.4	26.3	26.2	26.5
pH	pH	0.1	8.1	8.2	7.8	7.9	7.7	7.6	7.5	7.8
Groundwater level	mPD	0.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Mercury (Dissolved)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Mercury (Total)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Cadmium (Dissolved)	µg/L	0.2	0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	0.20
Cadmium (Total)	µg/L	0.2	1	0.6	0.4	0.2	<0.2	<0.2	<0.2	0.40
Copper (Dissolved)	µg/L	1	1	1	<1	<1	<1	<1	<1	1.00
Copper (Total)	µg/L	1	7	4	3	2	1	1	1	2.71
Lead (Dissolved)	µg/L	1	15	14	8	2	12	4	2	8.14
Lead (Total)	µg/L	1	420	207	143	56	78	51	26	140.14
Zinc (Dissolved)	µg/L	10	<10	<10	<10	<10	<10	<10	<10	10.00
Zinc (Total)	µg/L	10	25	17	12	<10	<10	<10	<10	13.43
C6 - C9 Fraction	µg/L	20	237	186	30	163	80	126	114.00	133.71
C10 - C14 Fraction	µg/L	25	56	80	40	57	29	61	48.00	53.00
C15 - C28 Fraction	µg/L	25	230	248	184	368	180	533	430.00	310.43
C29 - C36 Fraction	µg/L	25	45	53	46	45	<25	48	39.00	43.00
TPH (Total)	µg/L	95	568	567	300	633	314	768	631	540.14

**M2**

parameter	unit	R.L	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	26	25.8	25.7	25.7	25.4	25.3	25.5	25.6
pH	pH	0.1	7.8	7.8	7.5	7.5	7.5	7.4	7.3	7.5
Groundwater level	mPD	0.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Cadmium(Dissolved)	µg/L	0.2	0.4	<0.2	0.3	0.3	0.3	<0.2	<0.2	0.27
Cadmium(Total)	µg/L	0.2	0.5	0.4	0.5	0.5	0.5	0.4	0.2	0.43
C6 - C9 Fraction	µg/L	20	126	116	<20	199	152	130	97	120.00
C10 - C14 Fraction	µg/L	25	78	64	59	84	102	97	73	79.57
C15 - C28 Fraction	µg/L	25	283	188	194	234	318	281	292	255.71
C29 - C36 Fraction	µg/L	25	46	26	29	39	44	41	52	39.57
TPH (Total)	µg/L	95	533	394	302	556	616	549	514	494.86

**C1**

parameter	unit	R.L	23-Jun-06	24-Jun-06	25-Jun-06	26-Jun-06	27-Jun-06	28-Jun-06	29-Jun-06	Average
Temperature	Degree	0.1	26.6	26.6	26.7	26.7	25.7	25.4	25.4	26.2
pH	pH	0.1	7.7	7.6	7.6	7.6	7.6	7.6	7.6	7.6
Groundwater level	mPD	0.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Mercury (Dissolved)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Mercury (Total)	µg/L	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.50
Cadmium (Dissolved)	µg/L	0.2	0.4	<0.2	0.4	<0.2	<0.2	<0.2	<0.2	0.26
Cadmium (Total)	µg/L	0.2	1	0.7	0.6	0.4	0.3	0.3	<0.2	0.50
Copper (Dissolved)	µg/L	1	<1	<1	<1	<1	<1	<1	<1	1.00
Copper (Total)	µg/L	1	5	4	3	2	2	2	2	2.86
Lead (Dissolved)	µg/L	1	21	20	8	4	7	6	4	10.00
Lead (Total)	µg/L	1	327	213	167	97	73	69	28	139.14
Zinc (Dissolved)	µg/L	10	<10	<10	<10	<10	<10	13	<10	10.43
Zinc (Total)	µg/L	10	39	30	23	15	21	30	12	24.29
C6 - C9 Fraction	µg/L	20	118	86	<20	46	37	46	26.00	54.14
C10 - C14 Fraction	µg/L	25	53	38	43	47	60	62	46.00	49.86
C15 - C28 Fraction	µg/L	25	342	215	249	425	528	530	580.00	409.86
C29 - C36 Fraction	µg/L	25	42	45	39	35	38	44	44.00	41.00
TPH (Total)	µg/L	95	555	384	351	553	663	682	696	554.86