

Appendix



APPENDIX TABLE 1. The Concentrations (ng/L) of polycyclic aromatic hydrocarbons discharged into the study area

	El-Zaitiyat	El-Kabanon	Textile Egypt Iran Company	Suez Company for Fertilizer	Sewage treatment plant	Al-Adabyia	Industrial treatment plant	Sumed petroleum pipelines company
Naph	1944.57	ND	271.58	8.66	ND	ND	6.37	13.938
Ace	260.24	ND	83.06	8.5	ND	1.59	6.47	12.546
Acthy	809.71	ND	489.05	1.98	2.74	8.02	5.93	2.132
F1	2207.05	1.2	784.53	15.48	4.95	11.9	11.31	15.459
Phen	1660.91	0.495	453.26	8.79	2.26	8.79	10.28	15.024
Ant	1065.56	0.34	384.99	11.93	2.1	6.23	16.39	16.468
ΣLPAHs	7948.04	2.035	2466.47	55.34	12.05	36.53	56.75	75.567
Flu	4141.75	0.27	1096.04	5.54	1.05	16.06	96.04	47.41
Pyr	2201.74	Nd	518.19	16.3	50.12	305.79	213.96	17.394
BaA	1193.74	0.32	261.35	53.53	1.28	132.33	100.84	420.013
Chr	899.72	26.66	206.91	65.74	235.61	0.016	99.29	304.013
BbF	710.32	Nd	158.3	34.71	1.19	62.72	95.17	320.542
BkF	Nd	Nd	Nd	Nd	4.32	302.44	Nd	Nd
BaP	135.31	ND	33.32	24.29	0.79	91.22	71.987	120.353
InP	158.3	ND	28.04	33.82	0.865	4.68	56.902	155.162
DBA	32.76	ND	14.62	11.75	Nd	4.27	52.88	187.725
BghiP	Nd	Nd	Nd	Nd	Nd	4.052	Nd	Nd
ΣHPAHs	9473.640	27.250	2316.770	245.680	295.225	923.578	787.07	1572.61
Total	17421.68	29.285	4783.24	301.02	307.28	960.11	843.82	1648.18
ΣCOMB	9440.88	27.25	2302.15	233.93	295.225	919.31	734.19	1384.887
%ΣCOMB	54.19	93.051	48.13	77.712	96.078	95.75	87.008	84.03
ΣCAR	3130.15	26.98	702.54	223.84	244.055	601.728	477.069	1507.808
%ΣCAR	17.967	92.129	14.688	74.361	79.426	62.673	56.537	91.48