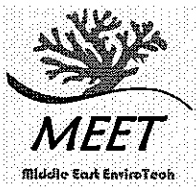


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Parameter	Unit	S1	S2	S3	S4	S5	S6	S7	S8	S9	Previous Results
Total Phosphorus (TP)	mg.g ⁻¹	1.21 ± 0.06	1.35 ± 0.07	1.53 ± 0.09	1.21 ± 0.06	1.45 ± 0.08	1.63 ± 0.09	1.11 ± 0.05	1.25 ± 0.05	1.33 ± 0.06	
Heavy metals											
Manganese (Mn)	µg.g ⁻¹	337 ± 19	301 ± 16	316 ± 19	387 ± 21	367 ± 20	339 ± 19	357 ± 21	321 ± 19	346 ± 20	
Zinc (Zn)	µg.g ⁻¹	28.7 ± 1.6	25.6 ± 1.5	23.2 ± 1.4	26.7 ± 1.6	23.6 ± 1.5	21.2 ± 1.4	31.7 ± 1.6	24.6 ± 1.5	28.2 ± 1.4	
Copper (Cu)	µg.g ⁻¹	5.81 ± 0.28	6.15 ± 0.27	5.54 ± 0.25	6.51 ± 0.28	5.85 ± 0.27	6.81 ± 0.31	5.69 ± 0.28	7.15 ± 0.31	7.81 ± 0.3	
Chromium (Cr)	µg.g ⁻¹	18.6 ± 1.15	15.2 ± 1.22	13.1 ± 1.26	16.6 ± 1.19	18.2 ± 1.21	21.1 ± 1.25	22.6 ± 1.15	16.2 ± 1.28	17.1 ± 1.42	
Cobalt (Co)	µg.g ⁻¹	4.33 ± 0.25	4.77 ± 0.25	4.54 ± 0.29	5.13 ± 0.30	5.27 ± 0.31	5.74 ± 0.33	4.83 ± 0.30	4.55 ± 0.26	6.11 ± 0.30	
Arsenic (As)	µg.g ⁻¹	2.13 ± 0.13	1.81 ± 0.11	1.95 ± 0.10	2.09 ± 0.11	2.41 ± 0.16	2.15 ± 0.14	1.93 ± 0.11	1.78 ± 0.10	3.05 ± 0.14	
Silver (Ag)	µg.g ⁻¹	2.53 ± 0.13	2.91 ± 0.16	3.15 ± 0.14	3.63 ± 0.13	3.21 ± 0.16	3.55 ± 0.14	3.93 ± 0.13	2.81 ± 0.16	3.15 ± 0.14	
Cadmium (Cd)	µg.g ⁻¹	2.15 ± 0.09	2.04 ± 0.08	2.25 ± 0.08	1.95 ± 0.07	2.14 ± 0.08	1.91 ± 0.08	1.87 ± 0.06	2.21 ± 0.09	2.45 ± 0.1	
Nickel (Ni)	µg.g ⁻¹	12.8 ± 0.6	14.8 ± 0.8	18.7 ± 0.9	16.8 ± 0.9	15.8 ± 0.8	13.7 ± 0.7	17.8 ± 0.9	14.8 ± 0.7	12.7 ± 0.6	
Mercury	µg.g ⁻¹	0.82 ± 0.03	0.94 ± 0.04	0.79 ± 0.02	0.72 ± 0.02	0.84 ± 0.03	0.91 ± 0.04	0.98 ± 0.04	0.75 ± 0.02	1.01 ± 0.05	
Aluminium	µg.g ⁻¹	19.6 ± 1.05	17.6 ± 0.89	22.5 ± 1.1	19.6 ± 1.11	17.6 ± 1.1	22.5 ± 1.15	19.6 ± 1.15	17.6 ± 1.03	22.5 ± 1.25	
Barium	µg.g ⁻¹	22.6 ± 1.6	25.7 ± 1.5	20.7 ± 1.7	24.6 ± 1.6	22.7 ± 1.5	30.7 ± 1.7	26.6 ± 1.6	27.7 ± 1.5	25.7 ± 1.7	



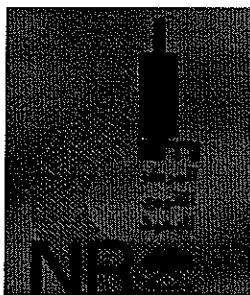
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Iron	$\mu\text{g}\cdot\text{g}^{-1}$	2115 ± 155	2235 ± 156	2316 ± 142	2136 ± 165	2035 ± 156	2189 ± 152	2007 ± 145	2205 ± 143	2386 ± 162
Lead	$\mu\text{g}\cdot\text{g}^{-1}$	6.45 ± 0.31	5.93 ± 0.38	7.09 ± 0.35	8.25 ± 0.41	8.53 ± 0.48	7.59 ± 0.41	5.95 ± 0.31	8.3 ± 0.38	7.29 ± 0.51
Boron	$\mu\text{g}\cdot\text{g}^{-1}$	26.6 ± 1.4	24.8 ± 1.5	29.1 ± 1.8	28.6 ± 1.4	25.8 ± 1.5	31.1 ± 1.8	24.6 ± 1.4	32.8 ± 1.5	29.9 ± 1.8
Molybdenum	$\mu\text{g}\cdot\text{g}^{-1}$	1.01 ± 0.05	0.89 ± 0.04	0.93 ± 0.04	0.71 ± 0.02	0.81 ± 0.03	1.01 ± 0.04	0.82 ± 0.03	0.90 ± 0.04	1.11 ± 0.06
Microbiological Examination										
Total Coli-forms	CFU//100g	90	430	40	40	40	30	230	210	30
Fecal Coli-forms	CFU//100g	90	150	0	40	40	0	0	70	30



MEET

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Result of water sample of delivered from Worley Parsons Egypt
These samples were delivered on 21/3/2009

Station No.	Unit	Total Petroleum Hydrocarbon
Sample no.1	µg/kg	1234.6
Sample no.2	µg/kg	1432.1
Sample no.3	µg/kg	954.2
Sample no.4	µg/kg	1672.3
Sample no.5	µg/kg	865.3
Sample no.6	µg/kg	2064.2
Sample no.7	µg/kg	1169.5
Sample no.8	µg/kg	1058.1
Sample no.9	µg/kg	1137.2

**Low Detection Limit 10 ng/kg

Head of Unit

Dr. M.A. El-Dib

Prof. Dr. Mohamed Anwer El-Dib





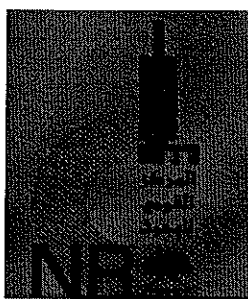
Concentration of PAHs in sediment samples ($\mu\text{g/l}$)

Compound	Sample no.1	Sample no.2	Sample no.3	Sample no.4
Naphthalene	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND
Benzo (a) anthracene	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND
Benzo(b) fluranthene	ND	ND	ND	ND
Benzo(k) fluranthene	ND	ND	ND	ND
Benzo(a) pyrene	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND
Indeno(1.2.3-cd)pyrene	ND	ND	ND	ND
Benzo (ghi) perylene	ND	ND	ND	ND
Σ PAHs	ND	ND	ND	ND

Head of Unit

Dr. M.A. El-Dib
Prof. Dr. Mohamed Anwer El-Dib





Continued Concentration of PAHs in sediment samples ($\mu\text{g/l}$)

Compound	Sample no.5	Sample no.6	Sample no.7	Sample no.8	Sample no.9
Naphthalene	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND
Benzo (a) anthracene	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND
Benzo(b) fluranthene	ND	ND	ND	ND	ND
Benzo(k) fluranthene	ND	ND	ND	ND	ND
Benzo(a) pyrene	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND
Indeno(1.2.3-cd)pyrene	ND	ND	ND	ND	ND
Benzo (ghi) perylene	ND	ND	ND	ND	ND
Σ PAHs	ND	ND	ND	ND	ND

Head of Unit

Dr. M.A. El-Dib

Prof. Dr. Mohamed Anwer El-Dib

