SUPPORTING INFORMATION

Emerging pollutants in the Esmeraldas watershed in Ecuador: Discharge and attenuation of emerging organic pollutants along the San Pedro-Guayllabamba-Esmeraldas Rivers

Anna Voloshenko-Rossin[1], Guy Gasser[1], Keren Cohen[1], Jenny Gun[1,2], Luis Cumbal-Flores [3], Wilson Parra-Morales[4], Freddy Sarabia[5], Fernando Ojeda[5], and Ovadia Lev[1]

[1] The Institute of Chemistry, The Hebrew University of Jerusalem, Jerusalem, 91904, Israel

[2] Department of Environmental Health, The Hadassa Academic College, Jerusalem, 96970, Israel

[3] Center of Nanoscience and Nanotechnology, Universidad de las Fuerzas Armadas, Sangolquí, Ecuador

[4] Facultad de Ciencias Químicas, Universidad Central del Ecuador, Quito, Ecuador

[5] Empresa Pública Metropolitana de Agua Potable y Saneamiento, Quito, Ecuador

Table S1: Average inorganic ions and total dissolved solids (mg/L) in the different sampling sites

	Na^+ mg/L	K^+ mg/L	Mg^{2+} mg/L	Ca^{2+} mg/L	Cl^- mg/L	Br^- mg/L	SO_4^{2-} mg/L	HCO_3^- mg/L	NO_3^- mg/L	B^{3+} mg/L	TDS mg/L
El Chaupi	15.9	4.6	12.7	14.3	8.4	ND	5.1	151.5	2.2	0.3	214.8
Amaguaña	46.7	9.1	39.2	29.2	38.0	ND	17.1	360.0	6.7	0.8	546.0
Machángara S	46.6	15.0	12.0	25.6	52.0	ND	17.4	313.5	1.5	0.1	483.6
Machángara N	60.3	17.1	7.8	18.5	68.8	ND	3.3	311.0	ND	0.1	486.8
Cumbayá San Pedro	78.3	12.1	33.8	22.0	51.7	ND	22.2	368.0	7.1	0.8	595.2
Monjas	64.9	15.1	8.7	20.4	64.3	ND	41.5	284.0	3.7	0.1	502.7
Guayllabamba (bridge)	44.2	9.7	21.5	23.6	33.9	ND	25.0	238.0	8.9	0.3	404.7
Guayllabamba	52.9	9.9	23.0	25.9	36.3	ND	40.0	262.0	16.7	0.4	466.7
Las Golondrinas	17.3	2.9	7.7	13.9	13.1	ND	13.0	101.0	7.7	0.2	176.6
Esmeraldas b/t	13.2	2.5	6.2	14.5	6.2	ND	11.9	94.0	2.7	0.1	151.1
Esmeraldas a/t	14.4	2.7	6.5	15.1	6.7	ND	26.4	80.0	3.3	0.1	155.0

Table S2 : Correlation coefficients (R) between various water quality parameters

	ACS	***CBZ***	***Sum of CBZs***	***CAF***	***SMX***	***VNF***	***O-DMV***	***COC***	***BE***	***E2***	***E1***	***EE2***	***DOC***	***TDN***	***TC***	***BOD_5***	***COD***
ACS	1.00																
CBZ	0.95	1.00															
Sum of CBZs	0.91	0.84	1.00														
CAF	0.67	0.81	0.48	1.00													
SMX	0.95	0.91	0.78	0.77	1.00												
VNF	0.66	0.49	0.67	-0.04	0.52	1.00											
O-DMV	0.70	0.54	0.72	0.01	0.56	0.99	1.00										
COC	0.73	0.87	0.62	0.97	0.76	0.01	0.06	1.00									
BE	0.97	0.85	0.88	0.56	0.95	0.72	0.76	0.60	1.00								
E2	0.65	0.48	0.56	0.06	0.60	0.80	0.84	0.07	0.71	1.00							
E1	0.58	0.77	0.42	0.99	0.66	-0.16	-0.12	0.97	0.44	-0.06	1.00						
EE2	0.46	0.59	0.55	0.41	0.44	-0.16	-0.10	0.81	0.34	-0.19	0.75	1.00					
DOC	0.65	0.84	0.47	0.93	0.67	0.06	0.09	0.92	0.48	0.08	0.94	0.64	1.00				
TDN	0.92	0.96	0.75	0.83	0.92	0.47	0.50	0.83	0.84	0.48	0.76	0.47	0.83	1.00			
TC	0.71	0.77	0.68	0.71	0.67	0.16	0.24	0.79	0.58	0.36	0.70	0.57	0.69	0.70	1.00		
BOD_5	0.90	0.97	0.72	0.86	0.91	0.44	0.47	0.86	0.81	0.46	0.81	0.50	0.89	0.98	0.75	1.00	
COD	0.93	0.94	0.74	0.73	0.92	0.63	0.65	0.72	0.87	0.60	0.64	0.33	0.77	0.96	0.64	0.97	1