Supplemental Materials:

Table S1 (next three pages): Data for the trace element composition of plankton from the ***2012 cruise.*** The upper segment shows results for bulk plankton (small-size fraction) collected with a 50 μm net tow. The lower segment shows data for the larger plankton (large-size fraction) collected with a 200 μm net tow. The 'CUMULATIVE' row is an average of both of these size fractions. The distance column gives the shortest distance from land to each sampling location (in kilometers). The letters (R), (L), and (E) represent the raw data, the lithogenic correction (in this case with average Qatari dust), and the excess concentrations, respectively. All are measured in parts per million (ppm), or μg/g. Aluminum only has a raw data column because of the entire Al in each sample was assumed to be of lithogenic origin, meaning that the lithogenic correction would be zero. The number in scientific notation in parenthesis adjacent to the (L) column is a numerical representation of the [Me]/Al ratio found in Qatari dust (Yigiterhan et al., 2018) used to determine the lithogenic correction. Certain elements have excess values, which are negative, indicating that there was an overcorrection for the lithogenic portion of the sample.

Sample #	Location	Distance (km)	Measurement	Al	As	As	As	Ba	Ba	Ba	Cd	Cd	Cd
				R	*R*	*L (9.90E-05)*	*E*	*R*	*L (7.32E-03)*	*E*	*R*	*L (8.29E-06)*	*E*
1	Doha	10.19	Bulk (50 µm)	2,590	31.4	0.257	31.2	14.1	19.0	-4.92	0.52	0.02	0.50
2	Khor Al-Odaid	0.23	Bulk (50 µm)	994	13.2	0.098	13.1	5.69	7.27	-1.59	1.01	0.01	1.00
3	Mesaieed	0.60	Bulk (50 µm)	3,010	8.58	0.298	8.28	17.9	22.1	-4.11	0.64	0.025	0.62
4	Shraawoo	59.60	Bulk (50 µm)	1,940	13.9	0.192	13.7	14.7	14.2	0.48	1.11	0.016	1.09
5	Al-Edd Al-Gharbi	46.55	Bulk (50 µm)	480	6.57	0.048	6.52	53.4	3.52	49.8	0.81	0.004	0.81
6	Ash Shargi Oilfield	78.90	Bulk (50 µm)	1,830	9.19	0.181	9.00	26.8	13.4	13.4	2.71	0.015	2.70
7	Halul Island	84.05	Bulk (50 µm)	1,030	10.9	0.102	10.8	12.4	7.51	4.88	3.59	0.009	3.58
8	High North	74.55	Bulk (50 µm)	1,180	12.2	0.117	12.1	6.63	8.65	-2.02	2.03	0.010	2.02
9	Ras Laffan	11.40	Bulk (50 µm)	803	16.1	0.080	16.1	5.55	5.88	-0.33	1.56	0.007	1.56
10	Dukhan	0.02	Bulk (50 µm)	10,500	28.5	1.040	27.5	69.5	77.0	-7.49	0.36	0.087	0.27
11	Umm Bab	0.48	Bulk (50 µm)	7,230	19.3	0.716	18.6	42.5	52.9	-10.4	0.55	0.060	0.49
AVERAGE				2,870	15.4	0.285	15.2	24.5	21.0	3.42	1.35	0.024	1.33
				R	*R*	*L (9.90E-05)*	*E*	*R*	*L (7.32E-03)*	*E*	*R*	*L (8.29E-06)*	*E*
12	Doha	10.19	Zooplankton (200 µm)	3,250	17.9	0.322	17.6	16.9	23.8	-6.86	0.70	0.027	0.68
13	Khor Al-Odaid	0.23	Zooplankton (200 µm)	1,010	8.36	0.100	8.26	6.07	7.40	-1.34	1.17	0.008	1.17
14	Mesaieed	0.60	Zooplankton (200 µm)	2,770	7.64	0.275	7.37	11.8	20.3	-8.54	0.63	0.023	0.60
15	Shraawoo	59.60	Zooplankton (200 µm)	722	10.7	0.072	10.6	4.77	5.28	-0.52	0.78	0.006	0.78
16	Al-Edd Al-Gharbi	46.55	Zooplankton (200 µm)	641	9.22	0.064	9.15	114	4.69	110	0.10	0.005	0.99
17	Ash Shargi Oilfield	78.90	Zooplankton (200 µm)	560	7.76	0.055	7.71	15.6	4.09	11.5	2.07	0.005	2.06
18	Halul Island	84.05	Zooplankton (200 µm)	335	12.1	0.033	12.1	12.8	2.45	10.3	2.74	0.003	2.74
19	High North	74.55	Zooplankton (200 µm)	1,020	14.5	0.101	14.4	6.68	7.46	-0.78	2.27	0.008	2.26
20	Ras Laffan	11.40	Zooplankton (200 µm)	418	19.4	0.041	19.4	2.78	3.06	-0.28	1.77	0.003	1.76
21	Dukhan	0.02	Zooplankton (200 µm)	5,560	19.5	0.551	19.0	37.6	40.7	-3.12	0.59	0.046	0.54
22	Umm Bab	0.48	Zooplankton (200 µm)	1,870	9.46	0.185	9.27	17.5	13.7	3.83	0.43	0.016	0.42
AVERAGE				1,650	12.4	0.164	12.2	22.4	12.1	10.3	1.29	0.014	1.27
CUMULATIVE				**2,260**	**13.9**	**0.224**	**13.7**	**23.4**	**16.6**	**6.88**	**1.32**	**0.019**	**1.30**

Sample #	Co	Co	Co	Cr	Cr	Cr	Cu	Cu	Cu	Fe	Fe	Fe	Mn	Mn	Mn
	R	*L (2.58E-04)*	*E*	*R*	*L (2.50E-03)*	*E*	*R*	*L (1.17E-03)*	*E*	*R*	*L (5.34E-01)*	*E*	*R*	*L (1.01E-02)*	*E*
1	1.18	0.669	0.512	6.31	6.49	-0.18	9.28	3.04	6.24	1,360	1,380	-24.3	26.3	26.3	-0.02
2	1.00	0.256	0.746	3.72	2.49	1.23	10.4	1.17	9.21	793	530	263	52.2	10.1	42.1
3	1.14	0.777	0.366	11.6	7.54	4.05	184	3.54	180	2,200	1,610	592	50.1	30.5	19.5
4	0.96	0.501	0.459	5.21	4.86	0.35	82.3	2.28	80.1	1,020	1,040	-14.0	35.5	19.7	15.8
5	0.52	0.124	0.394	1.20	1.20	-0.005	10.8	0.56	10.2	239	256	-17.3	13.2	4.87	8.32
6	0.96	0.472	0.483	6.40	4.58	1.82	41.4	2.15	39.3	977	977	0.79	31.7	18.5	13.1
7	1.02	0.265	0.756	8.51	2.57	5.94	13.9	1.21	12.7	437	548	-111	16.0	10.4	5.59
8	0.88	0.305	0.574	3.71	2.96	0.75	11.2	1.39	9.83	526	631	-105	21.5	12.0	9.49
9	0.52	0.207	0.310	4.00	2.01	1.99	56.9	0.94	56.0	445	429	16.6	12.8	8.14	4.64
10	3.00	2.710	0.288	24.9	26.4	-1.49	11.9	12.4	-0.49	5,490	5,620	-123	133	107	26.1
11	2.38	1.860	0.516	17.6	18.1	-0.51	12.6	8.49	4.15	3,630	3,860	-229	88.6	73.3	15.3
AVERAGE	1.23	0.741	0.491	8.47	7.20	1.27	40.4	3.38	37.0	1,560	1,530	22.6	43.7	29.1	14.5

	R	*L (2.58E-04)*	*E*	*R*	*L (2.50E-03)*	*E*	*R*	*L (1.17E-03)*	*E*	*R*	*L (5.34E-01)*	*E*	*R*	*L (1.01E-02)*	*E*
12	1.17	0.839	0.332	8.96	8.14	0.82	12.9	3.82	9.07	1,770	1,740	34.2	37.2	33.0	4.24
13	1.30	0.261	1.040	3.07	2.53	0.54	9.75	1.19	8.56	817	540	277	75.3	10.3	65.0
14	1.93	0.715	1.210	11.9	6.95	4.92	14.1	3.26	10.8	2,000	1,480	521	57.1	28.1	29.0
15	0.58	0.186	0.392	1.93	1.81	0.12	6.77	0.85	5.93	370	385	-15.7	27.0	7.32	19.7
16	0.68	0.165	0.511	2.40	1.61	0.79	35.5	0.75	34.8	315	342	-26.9	20.3	6.50	13.8
17	0.48	0.144	0.338	2.09	1.40	0.69	48.9	0.66	48.2	262	299	-36.8	15.3	5.67	9.65
18	0.43	0.086	0.347	2.65	0.838	1.81	12.7	0.39	12.3	136	179	-42.4	5.69	3.39	2.30
19	0.70	0.263	0.438	2.61	2.55	0.06	13.1	1.20	11.9	484	544	-59.9	22.5	10.3	12.1
20	0.39	0.108	0.277	3.29	1.05	2.25	14.1	0.49	13.6	222	223	-1.32	7.74	4.24	3.50
21	2.28	1.430	0.841	14.4	13.9	0.43	9.54	6.53	3.01	2,920	2,970	-44.0	79.2	56.4	22.9
22	1.39	0.481	0.907	4.62	4.67	-0.05	8.75	2.19	6.56	988	996	-7.35	82.5	18.9	63.6
AVERAGE	1.03	0.426	0.603	5.26	4.13	1.13	16.9	1.94	15.0	935	881	54.4	39.1	16.7	22.3

CUMULATIVE	**1.13**	**0.583**	**0.547**	**6.86**	**5.67**	**1.20**	**28.7**	**2.66**	**26.0**	**1,250**	**1,210**	**38.5**	**41.4**	**22.9**	**18.4**

Sample #	Mo	Mo	Mo	Ni	Ni	Ni	Pb	Pb	Pb	V	V	V	Zn	Zn	Zn
	R	***L (7.12E-05)***	***E***	***R***	***L (1.64E-03)***	***E***	***R***	***L (1.73E-04)***	***E***	***R***	***L (1.87E-03)***	***E***	***R***	***L (4.05E-03)***	***E***
1	117	0.185	117	5.99	4.26	1.73	0.700	0.449	0.251	4.59	4.84	-0.25	25.5	10.5	15.0
2	2.59	0.071	2.52	2.94	1.63	1.31	0.339	0.172	0.167	26.7	1.86	24.9	78.9	4.03	74.9
3	9.26	0.214	9.04	7.71	4.95	2.76	3.010	0.522	2.490	18.7	5.63	13.1	185	12.2	172
4	17.6	0.138	17.4	4.77	3.19	1.58	0.497	0.337	0.160	6.62	3.63	2.99	89.8	7.87	82.0
5	0.00	0.034	-0.03	1.17	0.79	0.38	0.333	0.083	0.250	1.27	0.897	0.37	24.5	1.95	22.6
6	0.31	0.130	0.18	5.27	3.01	2.26	0.801	0.317	0.484	5.27	3.42	1.85	68.7	7.42	61.3
7	0.27	0.073	0.19	5.20	1.69	3.51	0.185	0.178	0.007	2.05	1.92	0.13	73.7	4.16	69.6
8	0.00	0.084	-0.08	4.26	1.94	2.32	0.310	0.205	0.105	1.97	2.21	-0.24	36.6	4.79	31.8
9	0.34	0.057	0.28	3.12	1.32	1.80	0.801	0.139	0.662	2.08	1.50	0.58	98.8	3.26	95.5
10	0.18	0.749	-0.57	21.1	17.3	3.77	3.030	1.820	1.200	27.3	19.7	7.66	48.5	42.7	5.82
11	0.32	0.514	-0.20	14.1	11.9	2.23	2.120	1.250	0.865	19.3	13.5	5.78	41.7	29.3	12.4
AVERAGE	13.4	0.205	13.2	6.87	4.72	2.15	1.100	0.498	0.604	10.5	5.37	5.17	70.1	11.6	58.5

	R	***L (7.12E-05)***	***E***	***R***	***L (1.64E-03)***	***E***	***R***	***L (1.73E-04)***	***E***	***R***	***L (1.87E-03)***	***E***	***R***	***L (4.05E-03)***	***E***
12	66.1	0.232	65.9	7.30	5.35	1.96	1.150	0.563	0.582	6.50	6.08	0.42	49.2	13.2	36.0
13	2.98	0.072	2.90	3.15	1.66	1.49	0.183	0.175	0.008	10.5	1.89	8.58	90.1	4.10	86.0
14	17.6	0.197	17.4	7.57	4.56	3.01	2.030	0.481	1.55	9.69	5.18	4.51	74.6	11.2	63.3
15	17.7	0.051	17.7	1.73	1.19	0.54	0.161	0.125	0.036	2.99	1.35	1.64	42.3	2.93	39.3
16	0.00	0.046	-0.05	1.58	1.05	0.52	0.564	0.111	0.453	1.80	1.20	0.60	46.7	2.60	44.1
17	0.00	0.039	-0.04	1.55	0.92	0.63	0.000	0.097	-0.097	1.88	1.04	0.84	61.7	2.27	59.5
18	0.10	0.024	0.08	2.03	0.55	1.48	0.137	0.058	0.079	0.91	0.63	0.28	64.9	1.36	63.6
19	0.00	0.073	-0.07	3.90	1.67	2.23	0.565	0.177	0.388	2.17	1.90	0.27	45.9	4.13	41.8
20	0.98	0.030	0.95	2.80	0.69	2.11	0.000	0.073	-0.073	1.22	0.78	0.44	80.6	1.70	78.9
21	0.00	0.396	-0.40	11.6	9.14	2.46	1.580	0.963	0.621	14.7	10.4	4.29	67.3	22.5	44.8
22	0.00	0.133	-0.13	3.98	3.07	0.92	0.892	0.323	0.569	5.30	3.48	1.82	41.8	7.56	34.2
AVERAGE	9.60	0.118	9.48	4.29	2.71	1.58	0.660	0.286	0.374	5.24	3.08	2.15	60.5	6.69	53.8

CUMULATIVE	**11.5**	**0.161**	**11.4**	**5.58**	**3.72**	**1.86**	**0.881**	**0.392**	**0.489**	**7.89**	**4.23**	**3.66**	**65.3**	**9.17**	**56.1**

Table S2 (next three pages): Data for the trace element composition of plankton from the ***2014 cruise***. The upper segment shows results for bulk plankton (small-size fraction) collected with a 50 µm net tow. The lower segment shows data for the larger plankton (large-size fraction) collected with a 200 µm net tow. The 'CUMULATIVE' row is an average of both of these measurements. The distance column is a calculation of the shortest distance from land to each sampling location (in kilometers), The letters (R), (L), and (E) represent the values for raw data, the lithogenic correction (using average Qatar dust), and the excess concentrations, respectively. All are measured in parts per million (ppm), or µg/g. Aluminum only has a raw data column because all of the aluminum in each sample was assumed to be of lithogenic origin, meaning that the lithogenic correction would be zero. The number in scientific notation in parenthesis adjacent to the (L) column is a numerical representation of the [Me]/Al ratio found in average Qatari dust (Table 1 and Yigiterhan et al., 2018) used to determine the lithogenic correction. Certain elements have excess values, which are negative, indicating that there was an overcorrection for the lithogenic portion of the sample.

Sample	Location	Distance (km)	Measurement	Al	As	As	As	Ba	Ba	Ba	Cd	Cd	Cd
				R	*R*	*L (9.90E-05)*	*E*	*R*	*L (7.32E-03)*	*E*	*R*	*L (8.29E-06)*	*E*
23	Dukhan	8.77	Bulk (50 µm)	4,190	8.72	0.415	8.31	22.9	30.6	-7.78	0.836	0.035	0.801
24	Dukhan	8.77	Bulk (50 µm)	4,070	8.07	0.403	7.67	21.0	29.8	-8.80	0.758	0.034	0.724
25	Dukhan	6.78	Bulk (50 µm)	3,950	9.72	0.392	9.32	22.1	28.9	-6.81	0.788	0.039	0.755
26	Dukhan	6.78	Bulk (50 µm)	4,110	9.51	0.408	9.11	21.2	30.1	-8.95	0.795	0.034	0.761
27	Dukhan	1.31	Bulk (50 µm)	8,480	14.9	0.840	14.0	43.5	62.1	-18.6	0.190	0.070	0.119
28	Dukhan	1.31	Bulk (50 µm)	8,330	14.0	0.825	13.2	40.9	61.0	-20.0	0.191	0.069	0.122
29	Doha	6.54	Bulk (50 µm)	4,400	3.87	0.436	3.43	28.6	32.2	-3.61	0.261	0.037	0.225
30	Doha	2.20	Bulk (50 µm)	3,380	2.04	0.335	1.71	13.0	24.7	-11.8	0.082	0.028	0.054
31	Doha	2.20	Bulk (50 µm)	3,150	1.97	0.312	1.66	12.1	23.1	-11.0	0.091	0.026	0.065
32	Doha	0.06	Bulk (50 µm)	14,400	4.43	1.420	3.01	65.6	105	-39.6	0.115	0.119	-0.004
33	Doha	0.06	Bulk (50 µm)	14,600	4.66	1.450	3.21	73.4	107	-33.6	0.093	0.121	-0.028
AVERAGE				**6,640**	**7.44**	**0.658**	**6.79**	**33.1**	**48.6**	**-15.5**	**0.382**	**0.055**	**0.327**
				R	*R*	*L (9.90E-05)*	*E*	*R*	*L (7.32E-03)*	*E*	*R*	*L (8.29E-06)*	*E*
34	Dukhan	8.77	Zooplankton (200 µm)	2,050	7.04	0.203	6.83	14.1	15.0	-0.90	0.766	0.017	0.749
35	Dukhan	6.78	Zooplankton (200 µm)	4,450	5.83	0.441	5.39	78.4	32.6	45.8	0.290	0.037	0.253
36	Dukhan	1.31	Zooplankton (200 µm)	4,190	5.17	0.415	4.76	33.9	30.7	3.19	0.122	0.035	0.087
37	Doha	2.20	Zooplankton (200 µm)	7,630	2.45	0.756	1.69	40.9	55.9	-15.0	0.365	0.063	0.302
38	Doha	6.54	Zooplankton (200 µm)	3,730	4.10	0.369	3.73	22.0	27.3	-5.28	0.621	0.031	0.590
39	Doha	0.06	Zooplankton (200 µm)	5,750	5.10	0.570	4.53	24.6	42.1	-17.5	0.314	0.048	0.267
40	Doha	0.06	Zooplankton (200 µm)	5,260	4.62	0.521	4.10	25.1	38.5	-13.5	0.337	0.044	0.293
AVERAGE				4,720	4.90	0.468	4.43	34.1	34.6	-0.45	0.402	0.039	0.363
CUMULATIVE				5,900	**6.46**	**0.584**	**5.87**	**33.5**	**43.1**	**-9.64**	**0.390**	**0.049**	**0.341**

Sample	Co	Co	Co	Cr	Cr	Cr	Cu	Cu	Cu	Fe	Fe	Fe	Mn	Mn	Mn
	R	***L (2.58E-04)***	***E***	***R***	***L (2.50E-03)***	***E***	***R***	***L (1.17E-03)***	***E***	***R***	***L (5.34E-01)***	***E***	***R***	***L (1.01E-02)***	***E***
23	1.84	1.08	0.76	9.86	10.5	-0.62	28.4	4.92	23.4	2,520	2,230	288	45.7	42.4	3.24
24	1.70	1.05	0.65	10.3	10.2	0.08	43.6	4.78	38.9	2,190	2,170	22	42.5	41.3	1.27
25	1.69	1.02	0.67	8.76	9.90	-1.15	65.3	4.7	60.7	2,300	2,110	194	43.6	40.1	3.51
26	1.67	1.06	0.60	8.92	10.3	-1.38	65.1	4.83	60.3	2,110	2,200	-82	42.6	41.7	0.90
27	2.68	2.19	0.49	17.1	21.2	-4.11	17.2	9.96	7.27	4,430	4,530	-92	70.9	86.0	-15.1
28	2.56	2.15	0.41	16.3	20.9	-4.54	26.1	9.78	16.3	4,080	4,450	-364	66.0	84.4	-18.4
29	1.78	1.13	0.65	15.0	11.0	3.94	311	5.17	306	2,600	2,350	255	40.1	44.6	-4.48
30	1.44	0.87	0.57	9.43	8.46	0.97	26.1	3.97	22.2	1,810	1,800	2.7	24.3	34.2	-9.96
31	1.38	0.81	0.57	8.31	7.90	0.41	63.5	3.71	59.8	1,700	1,680	15	22.5	32.0	-9.46
32	3.74	3.71	0.03	42.9	36.0	6.89	37.8	16.9	20.9	7,020	7,670	-648	147	146	1.77
33	3.97	3.77	0.20	45.1	36.6	8.52	34.0	17.2	16.9	7,390	7,800	-412	153	148	4.90
AVERAGE	**2.22**	**1.71**	**0.51**	**17.4**	**16.6**	**0.82**	**65.3**	**7.80**	**57.5**	**3,470**	**3,540**	**-75**	**63.5**	**67.3**	**-3.80**

	R	***L (2.58E-04)***	***E***	***R***	***L (2.50E-03)***	***E***	***R***	***L (1.17E-03)***	***E***	***R***	***L (5.34E-01)***	***E***	***R***	***L (1.01E-02)***	***E***
34	2.45	0.53	1.92	-27.2	5.14	-32.4	31.9	2.41	29.5	1,760	1,100	661	45.8	20.8	25.0
35	1.75	1.15	0.60	17.5	11.1	6.34	6.87	5.22	1.65	3,280	2,370	902	83.4	45.1	38.3
36	2.15	1.08	1.07	12.6	10.5	2.08	125	4.92	120	3,300	2,240	1060	70.3	42.5	27.8
37	4.25	1.97	2.28	44.4	19.1	25.2	28.0	8.97	19.1	5,930	4,070	1860	184	77.4	107
38	1.79	0.96	0.82	12.7	9.3	3.39	368	4.38	363	2,870	1,990	884	45.6	37.8	7.78
39	4.50	1.48	3.02	25.1	14.4	10.7	26.8	6.76	20.1	3,540	3,070	467	494	58.3	436
40	4.18	1.36	2.82	22.2	13.2	9.03	32.2	6.18	26.0	3,330	2,810	523	471	53.3	417
AVERAGE	3.01	1.22	1.79	15.3	11.8	3.49	88.3	5.55	82.8	3,430	2,520	908	199	47.9	151

CUMULATIVE	**2.53**	**1.52**	**1.01**	**16.6**	**14.8**	**1.86**	**74.3**	**6.93**	**67.3**	**3,450**	**3,150**	**308**	**116**	**59.8**	**56.5**

Sample	Mo	Mo	Mo	Ni	Ni	Ni	Pb	Pb	Pb	V	V	V	Zn	Zn	Zn
	R	***L (7.12E-05)***	***E***	***R***	***L (1.64E-03)***	***E***	***R***	***L (1.73E-04)***	***E***	***R***	***L (1.87E-03)***	***E***	***R***	***L (4.05E-03)***	***E***
23	0.271	0.298	-0.027	10.2	6.88	3.29	1.55	0.73	0.83	17.8	7.82	9.96	111	17.0	94.1
24	0.292	0.290	0.002	9.27	6.69	2.58	1.05	0.71	0.34	16.1	7.60	8.54	120	16.5	104
25	0.068	0.282	-0.214	9.27	6.50	2.77	1.21	0.69	0.52	16.8	7.39	9.37	78.3	16.0	62.3
26	0.216	0.293	-0.077	9.14	6.76	2.38	5.53	0.71	4.82	16.6	7.69	8.96	75.3	16.7	58.7
27	-0.063	0.604	-0.667	16.1	13.9	2.14	2.90	1.47	1.43	21.8	15.8	6.00	30.1	34.4	-4.25
28	0.101	0.593	-0.492	14.9	13.7	1.20	2.55	1.44	1.11	20.5	15.6	4.90	30.8	33.8	-3.00
29	0.481	0.313	0.168	9.67	7.23	2.44	108	0.76	107	11.1	8.22	2.91	147	17.8	129
30	-0.111	0.240	-0.352	6.46	5.55	0.91	1.55	0.59	0.96	8.58	6.31	2.27	36.2	13.7	22.5
31	-0.275	0.225	-0.500	6.53	5.18	1.34	2.95	0.55	2.40	8.05	5.89	2.15	54.2	12.8	41.4
32	0.408	1.020	-0.615	18.9	23.6	-4.72	7.10	2.49	4.61	47.1	26.8	20.3	66.1	58.2	7.89
33	0.400	1.040	-0.641	20.7	24.0	-3.35	5.28	2.53	2.75	49.7	27.3	22.4	68.4	59.2	9.20
AVERAGE	**0.162**	**0.473**	**-0.310**	**11.9**	**10.9**	**1.00**	**12.7**	**1.15**	**11.5**	**21.3**	**12.4**	**8.88**	**74.4**	**26.9**	**47.4**

	R	***L (7.12E-05)***	***E***	***R***	***L (1.64E-03)***	***E***	***R***	***L (1.73E-04)***	***E***	***R***	***L (1.87E-03)***	***E***	***R***	***L (4.05E-03)***	***E***
34	-1.67	0.146	-1.820	20.9	3.38	17.5	1.07	0.36	0.55	16.8	3.84	13.0	60.4	8.33	52.1
35	-1.78	0.317	-2.100	16.9	7.31	9.64	-0.72	0.77	-1.82	49.9	8.31	41.6	35	18.0	16.9
36	-1.33	0.298	-1.630	14.1	6.89	7.24	26.7	0.73	25.7	14.9	7.82	7.10	140	17.0	123
37	-0.114	0.543	-0.657	24.3	12.5	11.7	129	1.32	127	32.9	14.3	18.6	134	30.9	103
38	-0.795	0.265	-1.060	17.2	6.13	11.1	1,770	0.65	1,770	13.5	6.96	6.54	472	15.1	457
39	0.694	0.409	0.285	15.5	9.45	6.07	295	1.00	293	26.6	10.7	15.8	365	23.3	342
40	0.453	0.375	0.078	14.2	8.65	5.55	11.0	0.91	9.69	25.5	9.83	15.6	394	21.3	373
AVERAGE	-0.649	0.336	-0.986	17.6	7.76	9.82	318	0.82	317	25.7	8.82	16.9	229	19.1	210

CUMULATIVE	**-0.153**	**0.420**	**-0.573**	**14.1**	**9.69**	**4.43**	**132**	**1.02**	**130**	**23.0**	**11.0**	**12.0**	**134**	**23.9**	**110**