

TABLE 3
 Concentrations ($\mu\text{g/g}$, except Fe which is $10^4 \mu\text{g/g}$) of heavy metals
 in hydroxylamine hydrochloride-acetic acid extracts (E), with percent of the total sediment (%T),
 for sediments of the inner shelf (<18 m depth), Beaufort Sea, northern arctic Alaska

Station	Fe		Mn		Zn		V		Cr		Ni		Cu		Co	
	E	%T	E	%T	E	%T	E	%T	E	%T	E	%T	E	%T	E	%T
HARRISON BAY																
HB 80- 3	0.310	14	105	41	15	22	7	8.4	2.0	3.3	2	9	4.0	13	1.0	14
HB 80- 5	0.270	13	105	37	13	24	6	10.7	1.5	3.2	2	11	3.5	27	1.0	17
HB 80- 6	0.580	17	210	49	24	21	17	12.5	2.7	3.3	4	11	6.5	22	2.5	19
HB 80- 7	0.510	16	170	46	30	32	18	13.2	2.5	3.1	5	15	5.5	18	2.5	19
Mean	0.42	15	145	43	20	25	12	11	2.2	3.2	3	12	4.9	20	1.8	17
%cv	36	10	35	11	39	19	53	19	25	3	46	19	28	28	49	14
SIMPSON LAGOON - GWYDYR BAY																
AER 72-168	0.330	16	155	57	21	26	5.0	5.0	1.8	3.7	2.0	7	2.0	8	—	—
SL877- 1	0.112	10	48	41	5	16	1.9	4.4	0.2	1.0	0.9	8	1.9	24	0.7	17
SL877- 2	0.110	12	80	55	3	11	2.0	5.5	0.4	2.1	1.0	9	1.1	10	0.7	18
SL877- 3	0.332	13	240	57	15	16	5.2	6.2	1.8	3.0	4.4	15	2.6	15	2.7	35
SL877- 4	0.465	16	365	66	21	17	7.3	7.2	2.0	2.9	5.3	17	4.8	17	3.5	43
SL877- 5	0.228	12	155	57	11	14	3.6	5.2	1.5	3.8	3.3	15	2.4	17	1.9	31
SL877- 6	0.307	13	220	59	16	19	4.9	6.5	1.7	3.1	5.1	18	2.8	12	2.3	29
SL877- 7	0.039	3	45	30	4	12	1.6	3.5	0.5	2.5	1.0	8	2.6	24	0.6	11
SL877- 8	0.120	9	125	62	6	12	2.7	4.4	1.0	3.1	3.8	20	1.5	12	1.0	15
SL877- 9	0.301	12	340	66	18	20	5.2	6.5	2.1	3.8	5.5	19	3.7	14	2.9	31
SL877- 11	0.262	11	120	45	17	19	5.9	7.0	1.7	3.0	3.9	13	3.1	17	2.1	25
SL877- 12	0.250	10	135	49	16	19	4.7	5.8	0.9	1.7	3.8	13	3.0	15	2.5	25
SL877- 13	0.370	14	300	64	18	20	5.1	6.5	1.8	3.0	5.0	17	3.5	15	3.0	33
SL877- 14	0.270	12	210	58	12	15	4.2	5.7	1.3	2.8	3.8	15	2.6	15	2.6	29
SL877- 15	0.095	6	135	61	6	10	3.4	5.6	0.6	1.7	3.2	16	3.6	24	1.9	21
SL877- 17	0.140	11	110	62	11	26	3.3	6.7	1.2	3.6	5.2	26	2.3	16	2.7	48
SL877- 18	0.410	21	60	37	22	28	6.7	9.0	1.7	3.1	6.1	23	2.3	11	3.1	36
SL877- 19	0.147	8	64	35	11	13	2.0	3.3	0.3	1.0	1.2	6	3.5	22	1.0	17
SL877- 20	0.156	12	80	50	6	13	2.5	5.8	0.4	1.7	0.9	8	1.9	22	1.3	27
SL877- 21	0.355	13	195	52	19	19	6.5	6.5	1.2	1.8	4.7	15	3.5	16	3.3	34
SL877- 22	0.263	10	140	46	14	16	4.0	4.7	1.4	2.5	4.0	14	2.5	13	2.6	27
SL877- 23	0.248	12	215	57	15	16	4.4	6.3	1.2	2.1	4.7	17	2.7	13	2.7	32
SL877- 24	0.085	6	62	40	10	20	2.8	4.8	0.3	0.9	1.4	9	2.3	19	0.9	14
SL877- 25	0.172	10	78	41	11	17	3.1	5.4	0.9	2.5	2.7	16	2.3	19	1.8	27
SL877- 26	0.285	11	200	53	15	17	4.3	4.9	1.2	2.1	4.9	17	3.0	17	3.1	33

TABLE 3 (continued)

Station	Fe		Mn		Zn		V		Cr		Ni		Cu		Co	
	E	%T	E	%T	E	%T	E	%T	E	%T	E	%T	E	%T	E	%T
SL877- 27	0.256	10	135	46	15	19	4.8	5.8	1.5	2.6	4.7	16	2.8	19	2.5	28
SL877- 28	0.274	10	115	39	16	16	5.1	5.5	1.8	2.9	4.3	13	2.8	12	2.3	25
SL877- 29	0.326	13	125	42	18	18	5.6	6.6	1.5	2.4	4.1	15	4.0	16	2.3	23
SL877- 30	0.086	10	66	52	3	10	1.2	4.1	0.0	0.0	0.7	6	1.7	27	0.5	15
SL877- 31	0.300	11	160	51	22	22	6.2	6.4	1.5	2.2	5.0	16	3.2	23	2.6	27
SL877- 32	0.269	12	200	66	23	25	5.0	5.1	1.5	2.9	6.1	23	3.1	19	2.7	32
SL877- 33	0.179	11	180	56	14	19	3.5	5.6	1.4	3.1	4.1	16	2.3	13	2.3	30
SL877- 34	0.032	4	46	40	2	8	1.1	3.1	0.0	0.0	0.2	3	1.4	19	0.2	8
SL877- 35	0.199	10	110	44	16	19	4.3	5.1	0.9	1.7	3.7	14	2.8	15	1.8	24
SL877- 36	0.253	11	110	44	16	17	4.7	5.3	1.1	2.0	3.7	14	2.7	13	2.3	27
SL877- 37	0.206	9	89	39	13	16	3.2	3.9	1.0	2.0	3.0	12	2.3	13	1.7	20
SL877- 38	0.196	9	82	38	18	22	5.1	5.4	1.1	1.8	4.3	16	2.7	13	2.2	25
SL877- 39	0.248	11	80	35	18	21	5.2	6.1	1.0	1.6	3.4	12	3.9	12	1.9	22
SL877- 40	0.084	5	73	42	6	9	2.1	3.3	0.1	0.2	2.0	11	2.5	26	0.9	14
UG877- 1	0.150	9	90	43	12	18	3.5	6.2	0.7	1.5	4.0	19	0.4	2	2.1	35
Mean	0.22	11	140	49	13	17	4.1	5.5	1.1	2.2	3.5	14	2.6	16	2.0	26
%cv	46	30	56	20	43	27	38	22	52	44	45	35	31	31	42	33
STEFANSSON SOUND - PRUDHOE BAY																
AER 71- 15	0.29	13	200	56	19	25	3	3.6	1.5	3.1	3	10	1	7	—	—
AER 71-129	1.10	38	250	76	43	48	14	10.4	2.5	3.5	4	11	7	50	—	—
AER 72-166	0.38	17	150	58	27	33	7	8.0	1.4	2.8	3	12	3	16	—	—
AJT 71- 5	0.20	15	125	52	15	31	4	5.8	—	—	0	0	2	18	—	—
AJT 72- 5	0.33	18	120	50	27	54	6	9.2	1.5	4.0	2	10	2	17	—	—
AJT 72- 6	0.16	9	150	55	19	47	5	7.7	0.7	4.7	2	13	1	10	—	—
AJT 72- 8	—	—	—	—	29	29	10	10.0	2.1	3.2	4	10	4	16	—	—
PDB 74- 34	0.25	16	143	62	16	23	3	3.6	1.9	4.2	2	8	2	9	—	—
PDB 74- 39	0.14	11	90	33	14	14	3	4.3	1.7	3.6	2	7	1	8	—	—
PDB 74- 41	0.21	11	145	41	21	26	3	4.9	1.4	2.1	3	9	1	4	—	—
PDB 74- 43	0.05	3	120	41	9	14	2	3.4	—	—	0	0	1	8	—	—
Mean	0.31	15	150	53	22	31	5.5	6.5	1.6	3.5	2.2	8	2.2	15	—	—
%cv	94	61	30	23	43	43	66	42	31	22	58	53	84	85	—	—
BEAUFORT LAGOON																
BL771- 1	0.48	21	235	93	15	21	11	10	1.5	2.5	2.9	11	2.9	12	3.5	29
BL771- 2	0.29	11	130	47	18	25	15	14	2.3	4.0	3.7	15	3.4	15	3.0	43
BL771- 3	0.02	1	66	31	3	9	1	1	0.4	1.3	0.8	7	0.6	7	1.4	10
BL771- 4	0.35	13	190	61	20	26	16	13	2.3	3.5	3.8	13	5.3	25	3.5	23

TABLE 3 (continued)

Station	Fe		Mn		Zn		V		Cr		Ni		Cu		Co	
	E	%T	E	%T	E	%T	E	%T	E	%T	E	%T	E	%T	E	%T
BL771- 5	0.20	9	205	59	13	22	8	11	1.3	2.7	2.7	13	4.5	28	3.0	30
BL771- 6	0.11	4	220	60	5	8	2	3	1.0	2.1	2.3	11	3.0	15	2.8	25
BL771- 7	0.08	3	220	48	5	8	2	2	0.9	1.9	1.5	6	2.4	13	1.9	17
BL771- 8	0.03	2	180	54	3	9	1	2	0.3	1.2	1.0	9	1.1	8	1.3	26
BL771- 9	0.25	9	195	52	15	21	9	9	1.5	2.6	3.3	14	4.4	16	3.8	29
BL771- 10	0.34	10	170	43	22	25	15	11	2.5	3.4	3.8	12	6.7	29	4.8	30
BL771- 11	0.45	13	260	55	23	23	10	7	2.0	2.1	3.8	11	7.2	26	5.0	28
BL771- 14	0.53	19	265	64	31	44	15	14	3.0	4.6	6.7	23	3.4	14	4.8	32
BL771- 15	0.51	15	195	51	22	24	14	11	1.8	2.3	3.2	10	7.0	33	5.0	31
BL771- 16	0.38	14	235	62	18	20	11	10	1.5	2.3	3.8	13	6.6	51	4.5	32
BL771- 17	0.38	15	230	63	15	20	9	10	1.3	2.2	3.5	13	5.7	27	3.8	29
BL771- 18	0.43	15	210	59	22	27	11	10	2.0	3.1	4.7	15	4.4	19	4.5	30
BL771- 20	—	—	—	—	9	22	2	2	1.3	3.2	2.7	15	1.3	13	3.0	38
Mean	0.30	11	200	56	15	21	9	8	1.6	2.6	3.2	12	4.1	21	3.5	28
%cv	57	55	24	23	53	43	60	56	44	35	44	32	51	52	34	26
OPEN SHELF																
HB 80- 1	0.32	13	105	36	16	16	10	13	1.5	2.7	2	9	6	14	1.0	14
HB 80- 2	0.60	18	210	49	25	36	20	12	3.0	3.6	4	12	9	26	3.5	27
HB 80- 4	1.40	49	350	99	28	42	23	21	4.7	7.2	12	39	17	49	5.5	50
AER 72-134	0.28	10	130	37	21	20	7	5	5.0	5.9	2	5	4	22	—	—
AER 72-137	0.18	13	55	37	15	37	3	5	1.0	4.0	0	0	1	8	—	—
AJT 71- 20	0.43	18	180	63	30	37	10	8	—	—	3	9	5	23	—	—
Mean	0.5	20	170	53	22	32	12	11	3.0	4.7	4	12	7	24	3.3	30
%cv	84	72	60	46	28	33	64	57	60	39	110	110	81	59	68	60