

APPENDIX 1

Table 1 Mean concentrations and areas of substances found in oat grains together with Standard Deviations for 2 experimental duplicates.

- Values with the same letter in one column are not significantly different from each other.

Samples	Concentration ($\mu\text{mol/g}$) with Standard Deviation				Area/g with Standard Deviation				
	2c	2p	2f	3f	2pd	2fd	X	Y	Z
Control	0.75 \pm 0.04 a	0.35 \pm 0.02 a,b	0.41 \pm 0.02 a	0.10 \pm 0.00 a	213 \pm 19 a	122 \pm 8 a	82 \pm 4 a	47 \pm 1 a,b	21 \pm 1 a
Tap	0.69 \pm 0.14 a	0.35 \pm 0.07 a	0.43 \pm 0.06 a	0.17 \pm 0.03 a,d	467 \pm 94 a,c	271 \pm 62 a	145 \pm 48 a	89 \pm 20 a	86 \pm 15 a
pH=2	0.66 \pm 0.14 a	0.62 \pm 0.15 a,b	0.57 \pm 0.15 a	0.28 \pm 0.05 b,c	716 \pm 198 a,d	358 \pm 68 a,b	141 \pm 15 a	124 \pm 22 a,b	100 \pm 16 a,b
pH=4	0.78 \pm 0.33 a	0.39 \pm 0.16 a,b	0.49 \pm 0.21 a	0.25 \pm 0.08 b,d	695 \pm 243 a,d	319 \pm 134 a,b	242 \pm 65 a,b	123 \pm 48 a,b	100 \pm 42 a,b
pH=6	0.74 \pm 0.12 a	0.46 \pm 0.06 a,b	0.53 \pm 0.09 a	0.28 \pm 0.04 b,e	784 \pm 72 a,d	390 \pm 51 a,b	265 \pm 36 a,b	173 \pm 22 a,b,c	136 \pm 15 a,b
pH=8	0.89 \pm 0.39 a	0.48 \pm 0.14 a,b	0.54 \pm 0.20 a	0.31 \pm 0.07 b	960 \pm 257 c,d	423 \pm 111 b	386 \pm 108 b	218 \pm 67 b,c	161 \pm 59 b
pH=10	0.98 \pm 0.34 a	0.57 \pm 0.23 a,b	0.51 \pm 0.20 a	0.25 \pm 0.05 a,b	1092 \pm 537 b,d	519 \pm 245 a,b	405 \pm 174 b	282 \pm 125 c	155 \pm 52 b,c
pH=12	0.60 \pm 0.06 a	0.32 \pm 0.05 c	0.39 \pm 0.07 a	0.28 \pm 0.04 a,c,d,e	688 \pm 100 a,d	334 \pm 45 a,b	232 \pm 34 a,b	140 \pm 15 a,b	87 \pm 11 a,c