

Table 4.4. Absolute and relative change of concentrations for selected major and trace elements for weakly supergene altered ore in reference boreholes (Rex 2 and Rex 24)

<b>M-Zone</b>						
Elements	Rex 70 (Strain: -5.43%)		Rex 71 (Strain: -11.8%)		Rex 74 (Strain: -9.53%)	
	Absolute change (wt%/ppm)	Relative change (%)	Absolute change (wt%/ppm)	Relative change (%)	Absolute change (wt%/ppm)	Relative change (%)
SiO <sub>2</sub>	-0.32	-6.08	-0.42	-7.96	-1.12	-21.0
Mn <sub>3</sub> O <sub>4</sub>	-6.13	-12.2	-6.46	-12.9	-4.96	-9.87
Fe <sub>2</sub> O <sub>3</sub>	-0.41	-7.15	-0.18	-3.12	0.57	9.90
MgO	0.01	0.20	-0.48	-14.0	-2.76	-80.8
CaO	-1.92	-13.4	-3.60	-25.2	-6.96	-48.7
Na <sub>2</sub> O	-0.04	-61.1	-0.04	-67.5	0.16	264.5
K <sub>2</sub> O	-0.01	-74.1	-0.02	-79.9	0.10	487.5
Al	407	47.9	404	47.6	219	25.7
B	-96	-14.7	186	28.6	-170	-26.1
Ba	-214	-56.9	-27	-7.30	-190	-50.8
Ni	-1	-3.38	0	-0.38	203	779.8
P	9	4.91	57	32.2	-3	-1.78
Sr	-218	-71.5	-44	-14.5	153	50.0
Zn	-13	-99.7	-13	-99.7	40	304.7
Zr	0	11.0	-1	-24.4	3	63.4
<b>C-Zone</b>						
Elements	Rex 70 (no C-Zone)		Rex 71 (Strain: 13.8%)		Rex 74 (Strain: 17.4%)	
	Absolute change (wt%/ppm)	Relative change (%)	Absolute change (wt%/ppm)	Relative change (%)	Absolute change (wt%/ppm)	Relative change (%)
SiO <sub>2</sub>			0.21	4.32	-0.52	-10.5
Mn <sub>3</sub> O <sub>4</sub>			-0.37	-0.71	1.03	1.99
Fe <sub>2</sub> O <sub>3</sub>			0.56	11.5	0.31	6.32
MgO			-0.26	-12.3	-1.39	-65.5
CaO			1.32	8.16	-3.56	-22.0
Na <sub>2</sub> O			-0.06	-72.4	0.20	251.6
K <sub>2</sub> O			-0.02	-43.1	0.07	185.3
Al			384	44.3	351	40.6
B			124	24.8	35	6.95
Ba			441	119.8	-158	-43.0
Ni			5	26.2	14	72.5
P			36	21.5	49	29.8
Sr			138	32.3	295	69.1
Zn			-13	-99.6	52	397.1
Zr			0	-6.92	1	20.1
<b>N-Zone</b>						
Elements	Rex 70 (no N-Zone)		Rex 71 (Strain: 20%)		Rex 74 (no N-Zone)	
	Absolute change (wt%/ppm)	Relative change (%)	Absolute change (wt%/ppm)	Relative change (%)	Absolute change (wt%/ppm)	Relative change (%)
SiO <sub>2</sub>			1.00	19.6		
Mn <sub>3</sub> O <sub>4</sub>			4.20	8.44		
Fe <sub>2</sub> O <sub>3</sub>			2.17	28.5		
MgO			0.53	17.7		
CaO			2.60	17.7		
Na <sub>2</sub> O			-0.04	-60.3		
K <sub>2</sub> O			-0.02	-46.6		
Al			735	75.5		
B			110	24.5		
Ba			139	60.6		
Ni			5	27.2		
P			67	34.2		
Sr			79	20.7		
Zn			-15	-99.6		
Zr			-1	-23.3		

Note: Absolute changes are reported in wt% for major elements and in ppm for trace elements. Mass balance calculations have only been done for trace elements with noticeable concentrations changes and concentrations greater than 5ppm.