

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>							
<b>Elements</b>	<b>Rex 70 (Strain: -5.43%)</b>		<b>Rex 71 (Strain: -11.8%)</b>		<b>Rex 74 (Strain: -9.53%)</b>		
	<b>Absolute change (wt%/ppm)</b>	<b>Relative change (%)</b>	<b>Absolute change (wt%/ppm)</b>	<b>Relative change (%)</b>	<b>Absolute change (wt%/ppm)</b>	<b>Relative change (%)</b>	
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>							
<b>Elements</b>	<b>Rex 70 (no C-Zone)</b>		<b>Rex 71 (Strain: 13.8%)</b>		<b>Rex 74 (Strain: 17.4%)</b>		
	<b>Absolute change (wt%/ppm)</b>	<b>Relative change (%)</b>	<b>Absolute change (wt%/ppm)</b>	<b>Relative change (%)</b>	<b>Absolute change (wt%/ppm)</b>	<b>Relative change (%)</b>	
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>							
<b>Elements</b>	<b>Rex 70 (no N-Zone)</b>		<b>Rex 71 (Strain: 20%)</b>		<b>Rex 74 (no N-Zone)</b>		
	<b>Absolute change (wt%/ppm)</b>	<b>Relative change (%)</b>	<b>Absolute change (wt%/ppm)</b>	<b>Relative change (%)</b>	<b>Absolute change (wt%/ppm)</b>	<b>Relative change (%)</b>	
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 and changes and concentrations greater than 5ppm.




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Strain	-34.28341385	M		
	Gain(ppm)	Loss(ppm)		Element
Rex2M			-0.00584	P
	0.00011			Ni
	0.01583			Zn
	0.171			Sr
			-0.000484	Zr
	0.567			Ba
			-0.05527	B
	0.006			Al
			-2.504	MgO
	0.001			SiO2
			-13.063	CaO
			-8.50325	Mn3O4
			-1.168	Fe2O3
	0.84697			K2O
	0.3546			Na2O

Strain	-57.33890106	REX2C		
	2.862138328	REX24C		
	Gain	Loss		
REX2C			-0.020384507	P
			-0.00046831	Ni
	0.001269718			Zn
	0.043042254			Sr
			-0.000853099	Zr
	0.156197183			Ba
			-0.053171127	B
			-0.046211268	Al
				Rex24C

