

**Detection limits for aerosol trace metals from ARK-XXVI-3.**

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Note on detection limits: 1200 m3 was used to calculate representative detection limits.

<b>Metal</b>	<b>Description</b>	<b>Detection Limit (ng/m3)</b>
Na_Total	Total aerosol Na concentration	0.33
Mg_Total	Total aerosol Mg concentration	0.022
Al_Total	Total aerosol Al concentration	0.025
P_Total	Total aerosol P concentration	0.076
Sc_Total	Total aerosol Sc concentration	0.0041
Ti_Total	Total aerosol Ti concentration	0.0066
V_Total	Total aerosol V concentration	0.00057
Cr_Total	Total aerosol Cr concentration	0.00061
Mn_Total	Total aerosol Mn concentration	5.5E-05
Fe_Total	Total aerosol Fe concentration	0.010
Co_Total	Total aerosol Co concentration	8.1E-05
Ni_Total	Total aerosol Ni concentration	0.0056
Cu_Total	Total aerosol Cu concentration	0.0085
Zn_Total	Total aerosol Zn concentration	0.067
Rb_Total	Total aerosol Rb concentration	0.0036
Sr_Total	Total aerosol Sr concentration	0.0013
Zr_Total	Total aerosol Zr concentration	0.0012
Cd_Total	Total aerosol Cd concentration	0.00070
Sb_Total	Total aerosol Sb concentration	0.00020
Ba_Total	Total aerosol Ba concentration	2.0E-05
La_Total	Total aerosol La concentration	0.00040
Ce_Total	Total aerosol Ce concentration	0.00030
Nd_Total	Total aerosol Nd concentration	0.00040
Pb_Total	Total aerosol Pb concentration	0.00011
Th_Total	Total aerosol Th concentration	0.0023
U_Total	Total aerosol U concentration	0.00045