**Ms 209SR-003, Table T2.** Microprobe analyses of primary and secondary phases in altered peridotite, Hole 1274A.

| Core, section, interval (cm) | Depth from section top (cm) | Thin section number | Rock type | Laboratory | Mineral | Segment number | Elements oxides (wt%) $SiO_2$ | $TiO_2$ | $Al_2O_3$ | $Cr_2O_3$ | $Fe_2O_3(t)$ | $FeO(t)$ | $Fe_2O_3(c)$ | $FeO(c)$ | MnO | MgO | CaO | NiO | $Na_2O$ | $K_2O$ | Cl | F | O = Cl | O = F | $P_2O_5(c)$ | CoO | NiO | S | Cu% | Zn% | Si | Ti | Al/AlVI | Al/IVI | Cr | V | Fe3+ | Fe2+ | Mn | Mg | Ni | Ca | Na | K | Cl | OH | Cu | S | Total Cu% | Fe | Ni | WoCa | EnMg | FsFe% | MgF | CrF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Elements cations (apfu) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38.1,101-108 | 18.05 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.15 | 0.06 | 3.96 | 7.26 | NC | NC | NC | 2.25 | 27.28 | 0.14 | 0.05 | NA | 0.07 | 0.11 | NA | NA | NC | NA | 0.108 | NA | 99.02 | 0.0950 | 0.0017 | 0.0766 | 0.0010 | 0.0242 | NC | 0.0689 | 1.186 | 0.0030 | 0.0195 | NA | 0.0032 | 0.0148 | 0.0072 | NA | NA | NA | 0.0153 | NC | NA | NA | 0.0153 | NC | NC | 34.958 | 65.455 | 0.044 | 96.007 | 17.180 |
| 38.1,101-108 | 18.05 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.14 | 0.05 | 3.94 | 7.24 | NC | NC | NC | 2.27 | 27.19 | 0.14 | 0.05 | NA | 0.07 | 0.11 | NA | NA | NC | NA | 0.107 | NA | 99.04 | 0.0952 | 0.0015 | 0.0762 | 0.0010 | 0.0241 | NC | 0.0685 | 1.182 | 0.0030 | 0.0194 | NA | 0.0032 | 0.0147 | 0.0072 | NA | NA | NA | 0.0153 | NC | NA | NA | 0.0153 | NC | NC | 34.958 | 65.455 | 0.044 | 96.007 | 17.180 |
| 38.1,101-108 | 18.05 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.17 | 0.05 | 2.78 | 7.00 | NC | NC | NC | 2.89 | 18.62 | 0.07 | 23.01 | NA | 0.08 | 0.09 | NA | NA | NC | NA | 0.092 | NA | 99.56 | 1.9147 | 0.0014 | 0.0588 | 0.0002 | 0.0267 | NC | 0.0604 | 0.0756 | 0.0022 | 0.0064 | NA | 0.0027 | 0.0002 | 0.0000 | NA | NA | NA | 0.0032 | NC | NA | NA | 0.0032 | NC | NC | 46.014 | 50.490 | 0.079 | 93.899 | 19.459 |
| 38.1,101-108 | 18.05 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.17 | 0.05 | 2.78 | 7.00 | NC | NC | NC | 2.89 | 18.62 | 0.07 | 23.01 | NA | 0.08 | 0.09 | NA | NA | NC | NA | 0.092 | NA | 99.56 | 1.9147 | 0.0014 | 0.0588 | 0.0002 | 0.0267 | NC | 0.0604 | 0.0756 | 0.0022 | 0.0064 | NA | 0.0027 | 0.0002 | 0.0000 | NA | NA | NA | 0.0032 | NC | NA | NA | 0.0032 | NC | NC | 46.014 | 50.490 | 0.079 | 93.899 | 19.459 |
| 38.1,101-108 | 18.05 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.14 | 0.05 | 3.94 | 7.24 | NC | NC | NC | 2.27 | 27.19 | 0.14 | 0.05 | NA | 0.07 | 0.11 | NA | NA | NC | NA | 0.107 | NA | 99.04 | 0.0952 | 0.0015 | 0.0762 | 0.0010 | 0.0241 | NC | 0.0685 | 1.182 | 0.0030 | 0.0194 | NA | 0.0032 | 0.0147 | 0.0072 | NA | NA | NA | 0.0153 | NC | NA | NA | 0.0153 | NC | NC | 34.958 | 65.455 | 0.044 | 96.007 | 17.180 |
| 38.1,101-108 | 18.05 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.15 | 0.06 | 3.96 | 7.26 | NC | NC | NC | 2.25 | 27.28 | 0.14 | 0.05 | NA | 0.07 | 0.11 | NA | NA | NC | NA | 0.108 | NA | 99.02 | 0.0950 | 0.0017 | 0.0766 | 0.0010 | 0.0242 | NC | 0.0689 | 1.186 | 0.0030 | 0.0195 | NA | 0.0032 | 0.0148 | 0.0072 | NA | NA | NA | 0.0153 | NC | NA | NA | 0.0153 | NC | NC | 34.958 | 65.455 | 0.044 | 96.007 | 17.180 |
| 48.1,108-110 | 52.75 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.17 | 0.03 | 3.07 | 7.11 | NC | NC | NC | 2.55 | 19.35 | 0.13 | 20.84 | NA | 0.08 | 0.00 | NA | NA | NC | NA | 0.074 | NA | 99.13 | 1.9904 | 0.0007 | 0.0730 | 0.0016 | 0.0247 | NC | 0.0767 | 1.009 | 0.0042 | 0.0241 | NA | 0.0022 | 0.0043 | 0.0000 | NA | NA | NA | 0.0025 | NC | NA | NA | 0.0025 | NC | NC | 41.093 | 52.790 | 0.112 | 92.592 | 18.328 |
| 48.1,108-110 | 52.75 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.17 | 0.03 | 3.07 | 7.11 | NC | NC | NC | 2.55 | 19.35 | 0.13 | 20.84 | NA | 0.08 | 0.00 | NA | NA | NC | NA | 0.074 | NA | 99.13 | 1.9904 | 0.0007 | 0.0730 | 0.0016 | 0.0247 | NC | 0.0767 | 1.009 | 0.0042 | 0.0241 | NA | 0.0022 | 0.0043 | 0.0000 | NA | NA | NA | 0.0025 | NC | NA | NA | 0.0025 | NC | NC | 41.093 | 52.790 | 0.112 | 92.592 | 18.328 |
| 48.1,108-110 | 52.75 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.14 | 0.03 | 3.07 | 7.17 | NC | NC | NC | 2.51 | 19.42 | 0.11 | 21.61 | NA | 0.09 | 0.00 | NA | NA | NC | NA | 0.075 | NA | 99.11 | 1.9903 | 0.0006 | 0.0736 | 0.0014 | 0.0248 | NC | 0.0773 | 1.017 | 0.0035 | 0.0243 | NA | 0.0018 | 0.0036 | 0.0000 | NA | NA | NA | 0.0021 | NC | NA | NA | 0.0021 | NC | NC | 41.455 | 52.790 | 0.093 | 92.592 | 18.328 |
| 48.1,108-110 | 52.75 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.14 | 0.03 | 3.07 | 7.17 | NC | NC | NC | 2.51 | 19.42 | 0.11 | 21.61 | NA | 0.09 | 0.00 | NA | NA | NC | NA | 0.075 | NA | 99.11 | 1.9903 | 0.0006 | 0.0736 | 0.0014 | 0.0248 | NC | 0.0773 | 1.017 | 0.0035 | 0.0243 | NA | 0.0018 | 0.0036 | 0.0000 | NA | NA | NA | 0.0021 | NC | NA | NA | 0.0021 | NC | NC | 41.455 | 52.790 | 0.093 | 92.592 | 18.328 |
| 48.1,108-110 | 52.75 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.14 | 0.03 | 3.07 | 7.19 | NC | NC | NC | 2.51 | 19.35 | 0.13 | 20.84 | NA | 0.08 | 0.00 | NA | NA | NC | NA | 0.074 | NA | 99.13 | 1.9904 | 0.0007 | 0.0730 | 0.0016 | 0.0247 | NC | 0.0767 | 1.009 | 0.0042 | 0.0241 | NA | 0.0022 | 0.0043 | 0.0000 | NA | NA | NA | 0.0025 | NC | NA | NA | 0.0025 | NC | NC | 41.093 | 52.790 | 0.112 | 92.592 | 18.328 |
| 48.1,108-110 | 52.75 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.14 | 0.03 | 3.07 | 7.19 | NC | NC | NC | 2.51 | 19.42 | 0.11 | 21.61 | NA | 0.09 | 0.00 | NA | NA | NC | NA | 0.075 | NA | 99.11 | 1.9903 | 0.0006 | 0.0736 | 0.0014 | 0.0248 | NC | 0.0773 | 1.017 | 0.0035 | 0.0243 | NA | 0.0018 | 0.0036 | 0.0000 | NA | NA | NA | 0.0021 | NC | NA | NA | 0.0021 | NC | NC | 41.455 | 52.790 | 0.093 | 92.592 | 18.328 |
| 48.1,108-110 | 52.75 | AP 086 Bron | Lost altered harzburgite | Cologne | Chromite | | 0.14 | 0.03 | 3.07 | 7.17