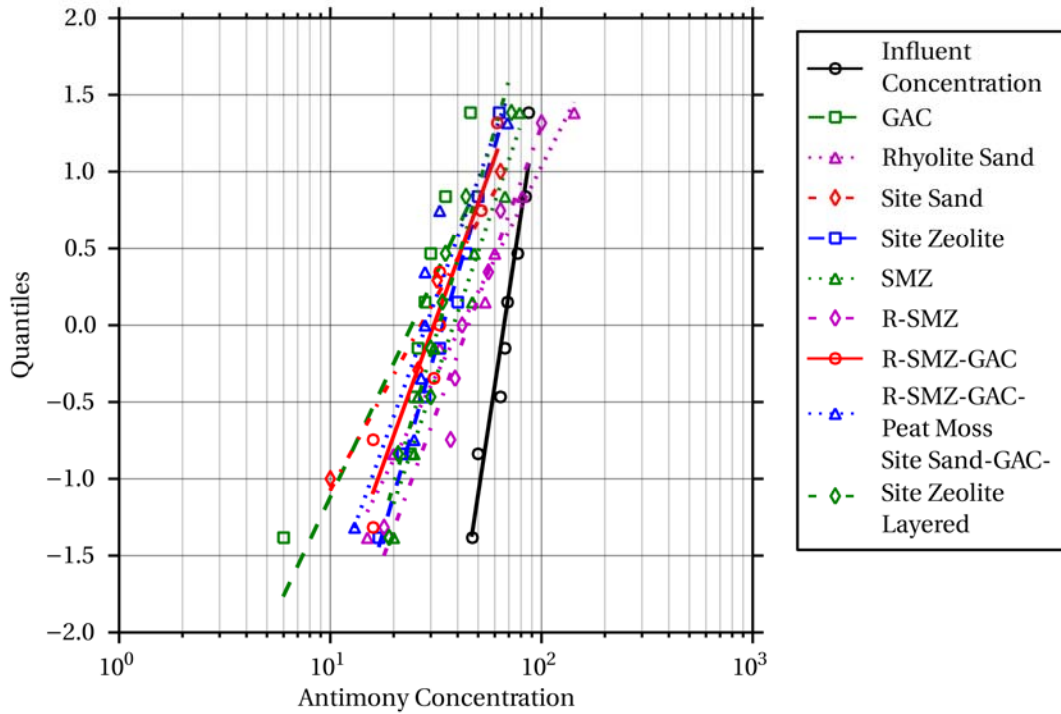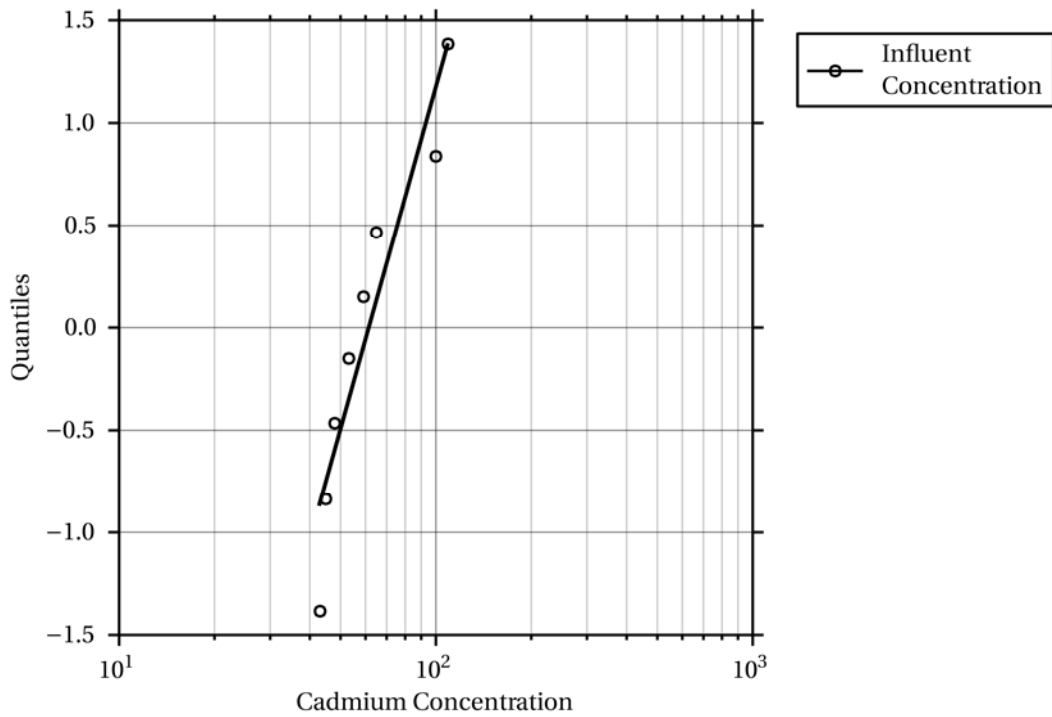# Appendix A11: Probability Plots of Selected Permitted Constituent Removals during Long-Term Column Tests

This appendix contains grouped log-normal probability plots for several of the constituents that have discharge permit limits. All of the column results are shown on each graph if data were available above the detection limits. The influent concentrations are also shown on the graphs to compare relative removals by each column for the range of influent concentrations tested.
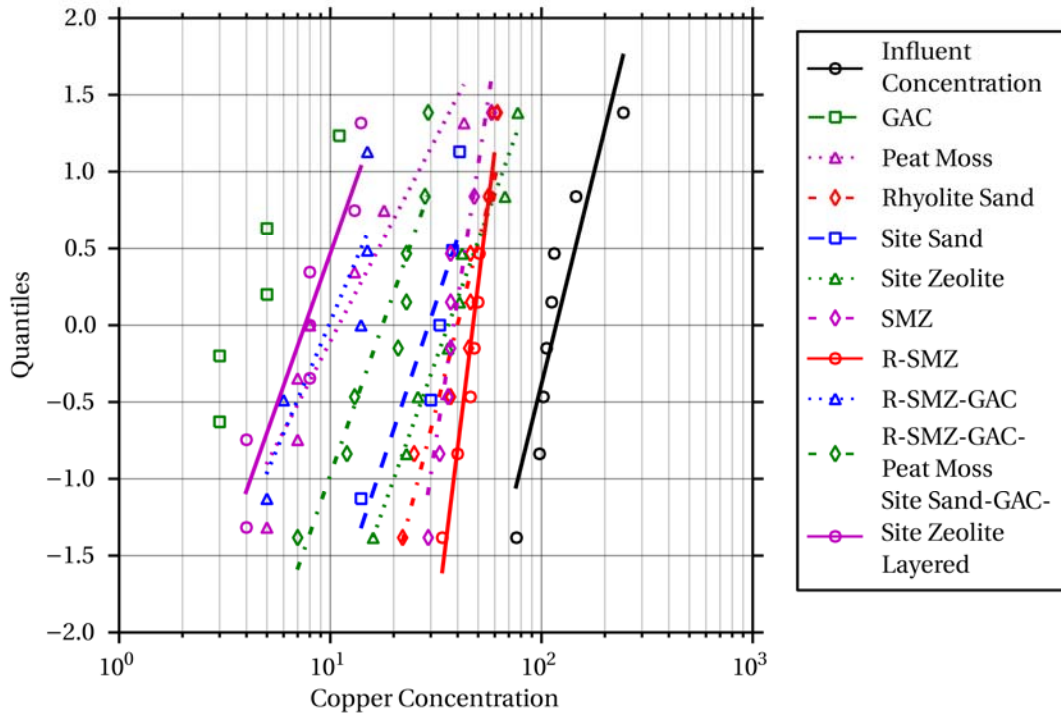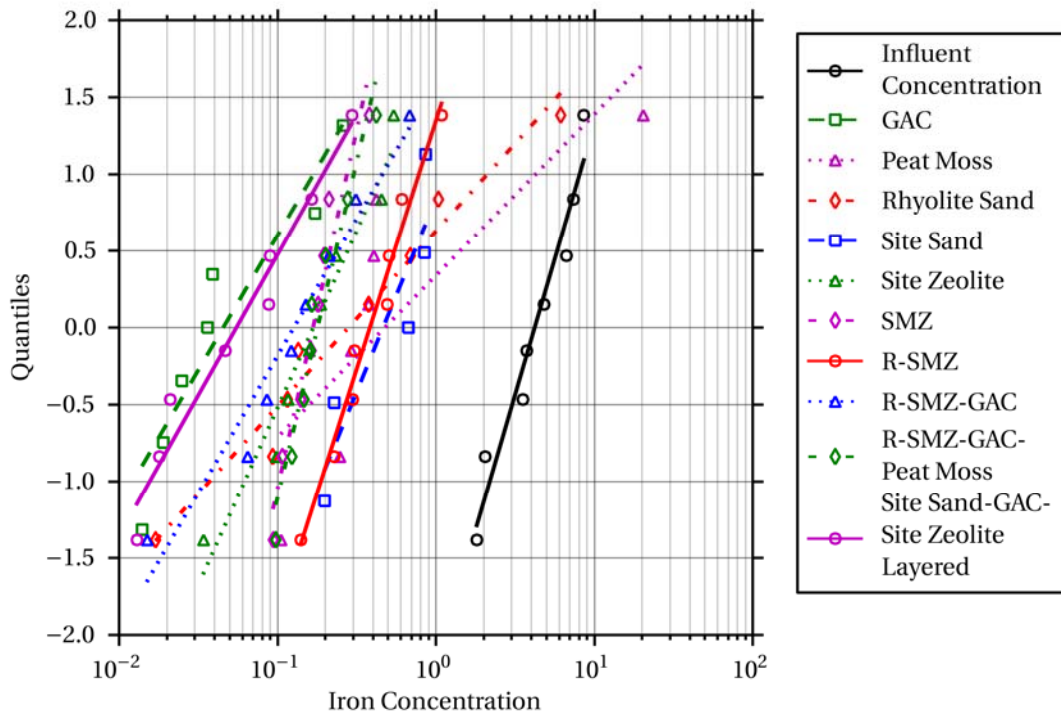
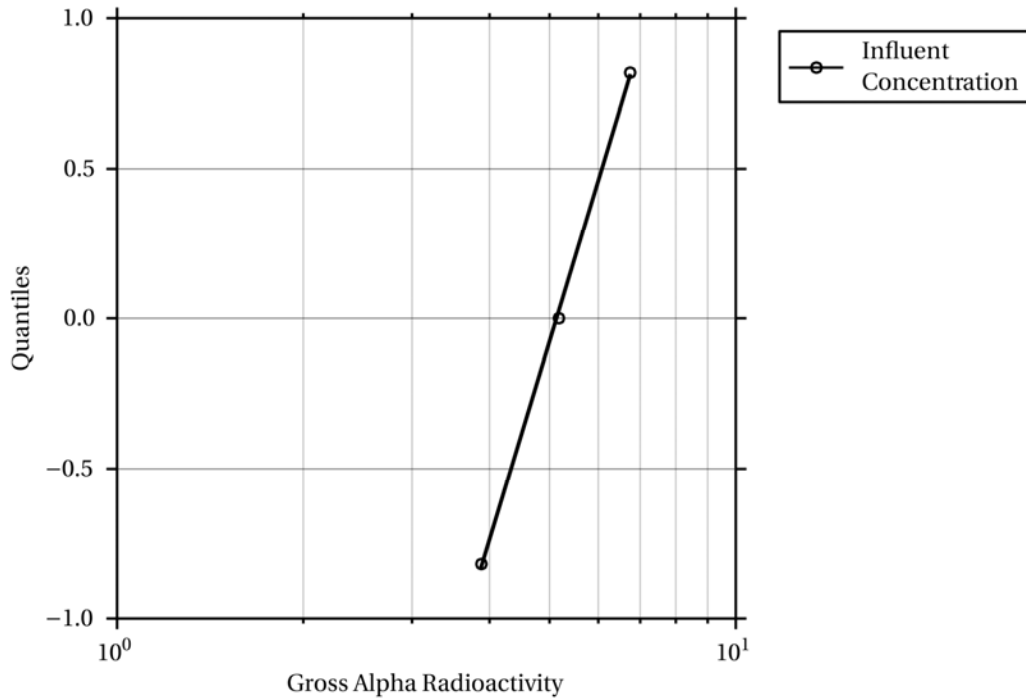**Figure A11-1. Grouped probability plots for antimony for all columns.**



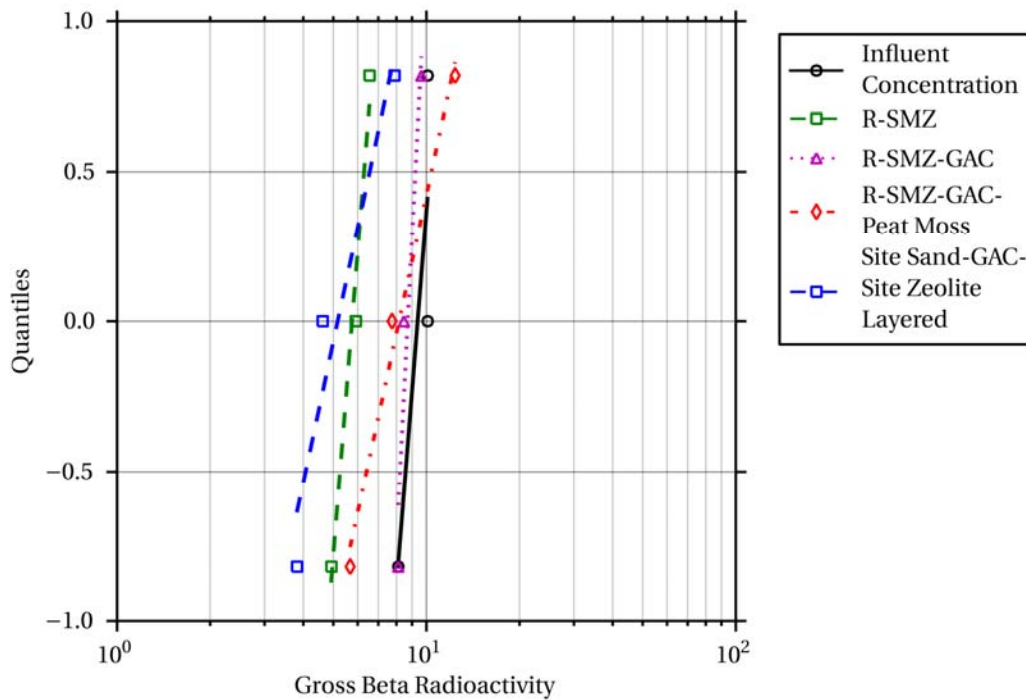**Figure A11-2. Grouped probability plots for cadmium for all columns.**

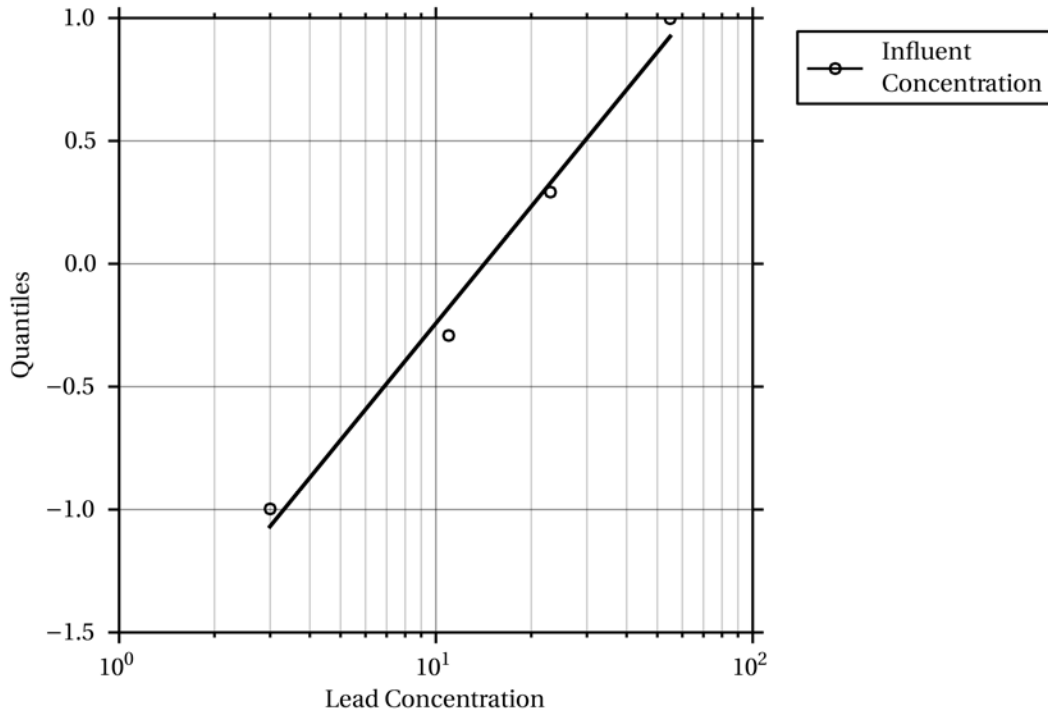**Figure A11-3. Grouped probability plots for copper for all columns.**



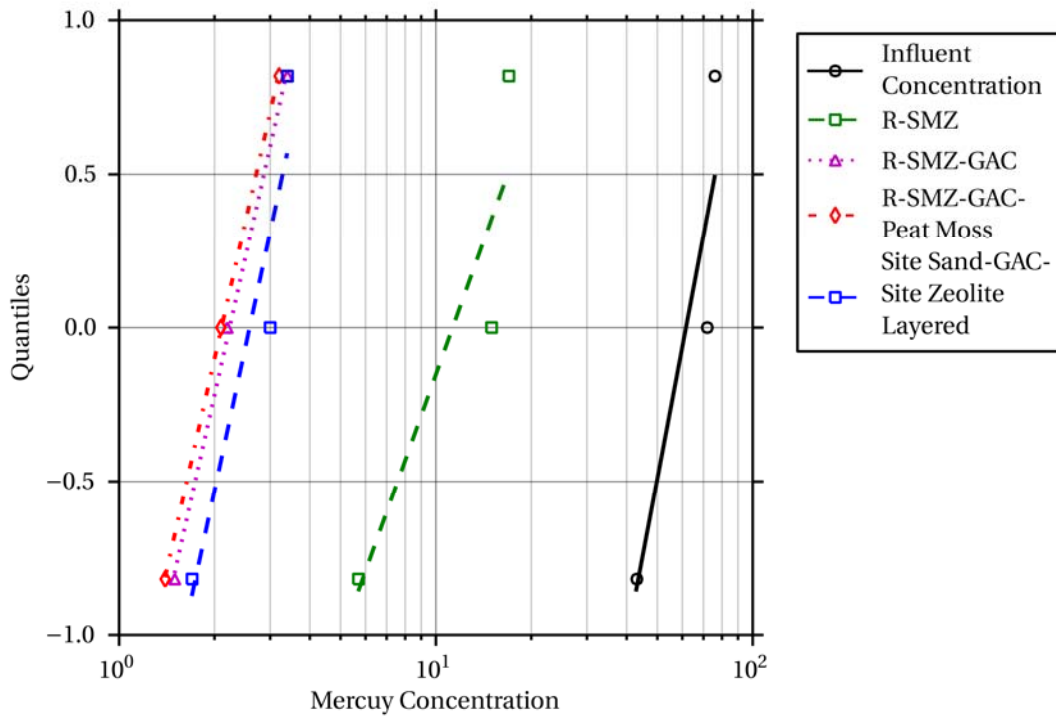**Figure A11-4. Grouped probability plots for iron for all columns.**

**Figure A11-5. Grouped probability plots for gross alpha radioactivity for all columns.**
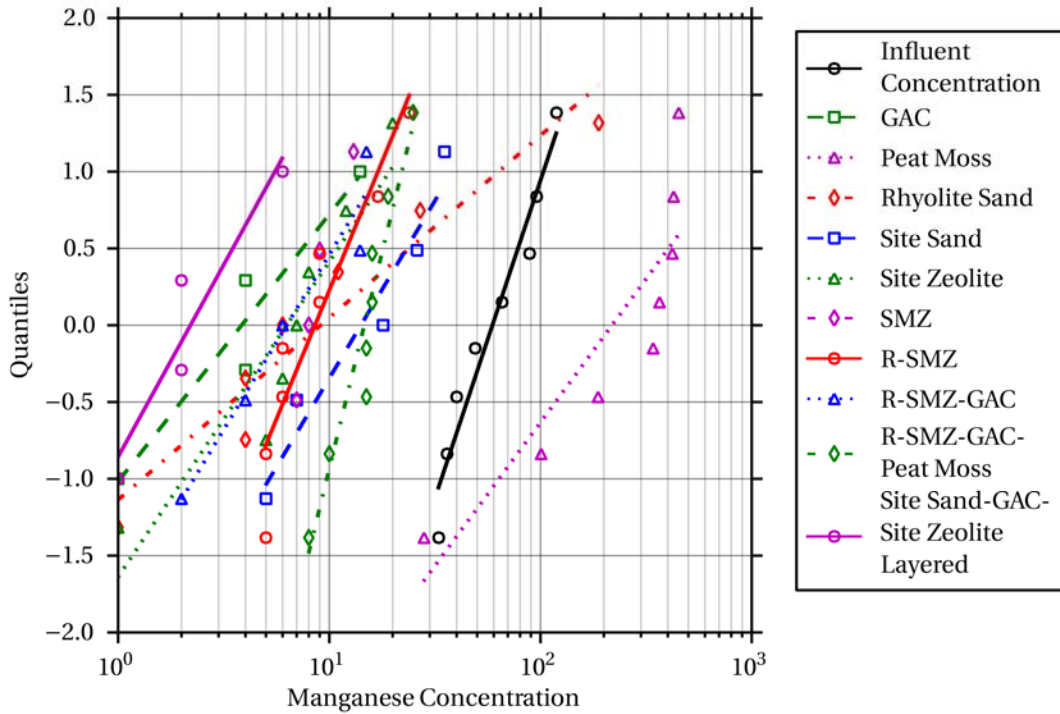


**Figure A11-6. Grouped probability plots for gross beta radioactivity for all columns.**
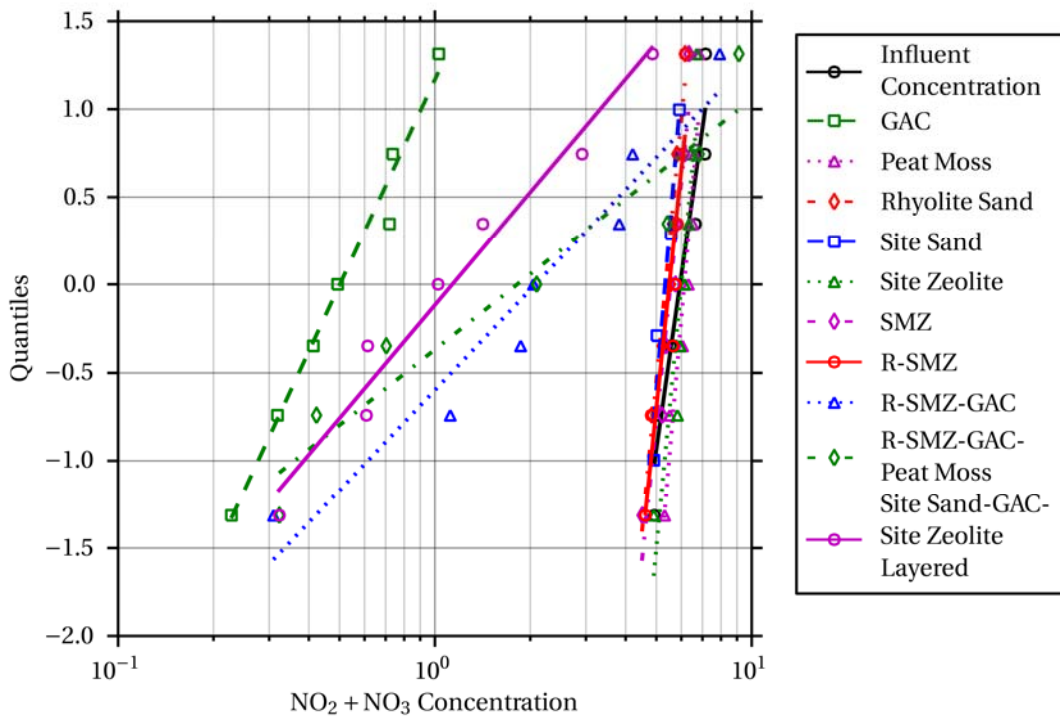
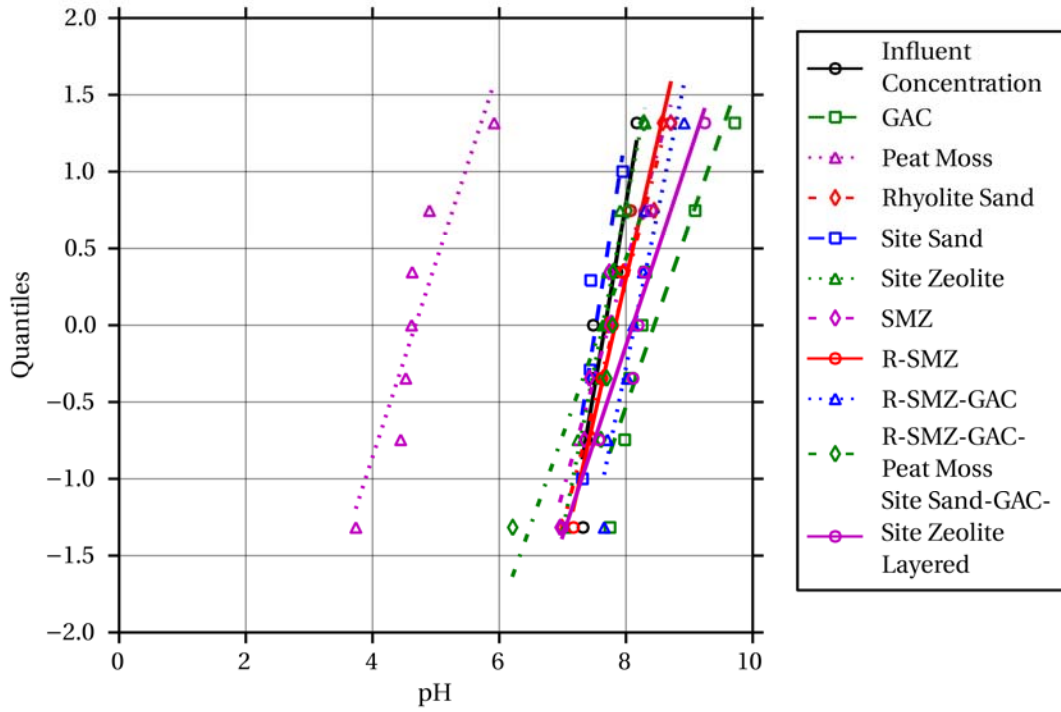**Figure A11-7. Grouped probability plots for lead for all columns.**



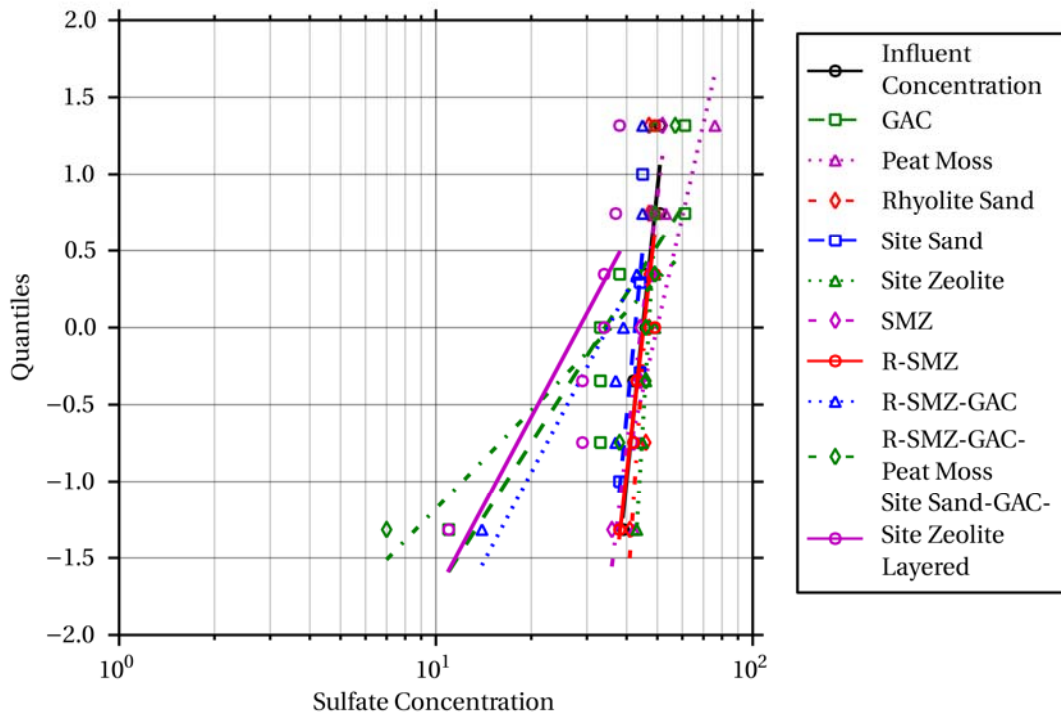**Figure A11-8. Grouped probability plots for mercury for all columns.**

**Figure A11-9. Grouped probability plots for manganese for all columns.**
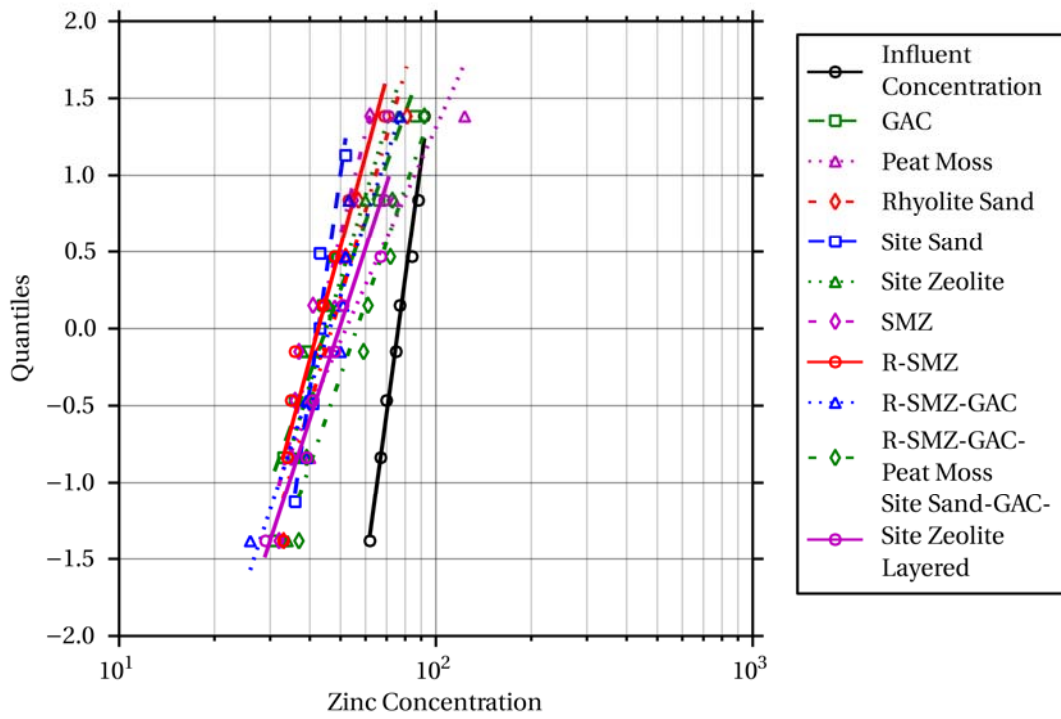


**Figure A11-10. Grouped probability plots for nitrites plus nitrates for all columns.**

**Figure A11-11. Grouped probability plots for pH for all columns.**



**Figure A11-12. Grouped probability plots for sulfate for all columns.**

**Figure A11-13. Grouped probability plots for zinc for all columns.**