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(54) Title: FUNCTIONALISED ALUMINA ADSORBENT MATERIALS FOR REMOVAL OF CONTAMINANTS FROM WATER

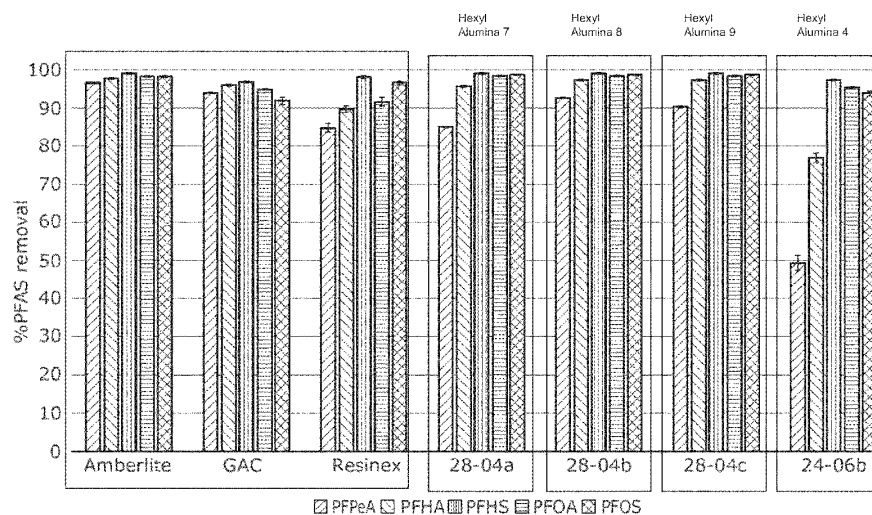


Figure 8

(57) Abstract: A composition is provided for removal of a target substance from a fluid stream. The composition may be used to remove polyfluorinated alkyl substances (PFAS) from water. The composition comprises a support material comprising an alumina; and a sorbent molecule that comprises a core polymer; wherein the core polymer is covalently linked to the support material; and wherein the sorbent molecule further comprises one or more covalently linked sorbent groups. Processes for removal of target substances such as PFAS are also provided.

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