

Accepted Manuscript

Enhancement of perchlorate removal from groundwater by cationic granular activated carbon: Effect of preparation protocol and surface properties

Pin Hou, Zhe Yan, Fred S. Cannon, Ye Yue, Timothy Byrne, Cesar Nieto-Delgado



PII: S0045-6535(18)30429-6

DOI: [10.1016/j.chemosphere.2018.03.024](https://doi.org/10.1016/j.chemosphere.2018.03.024)

Reference: CHEM 20968

To appear in: *ECSN*

Received Date: 18 August 2017

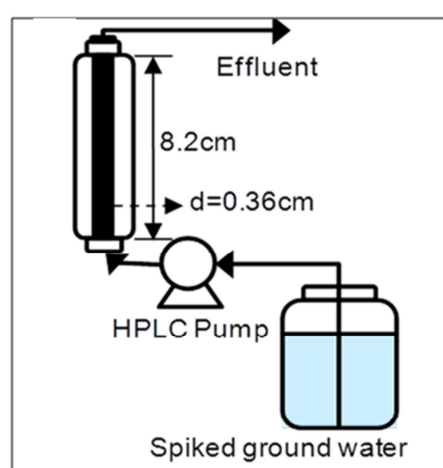
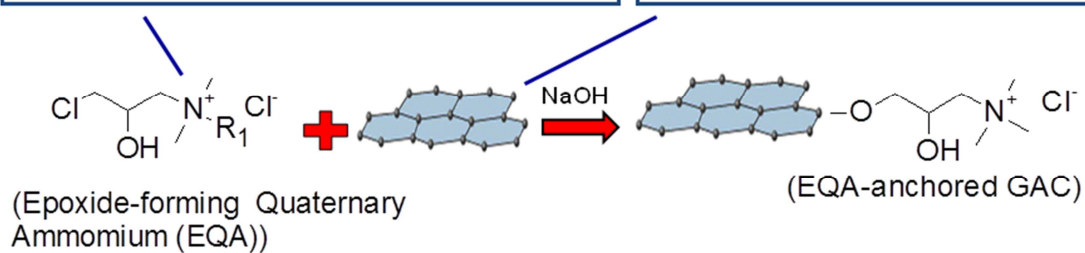
Revised Date: 28 February 2018

Accepted Date: 4 March 2018

Please cite this article as: Hou, P., Yan, Z., Cannon, F.S., Yue, Y., Byrne, T., Nieto-Delgado, C., Enhancement of perchlorate removal from groundwater by cationic granular activated carbon: Effect of preparation protocol and surface properties, *Chemosphere* (2018), doi: 10.1016/j.chemosphere.2018.03.024.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Quaternary ammonium sorbs perchlorate GAC widely used to treat water



- Covalent modification of GAC to add N^+ groups
- High perchlorate removal
- Won't leach off in RSSCT

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8851647>

Download Persian Version:

<https://daneshyari.com/article/8851647>

[Daneshyari.com](https://daneshyari.com)