From:	John Mousa
To:	"Miller, Scott"
Cc:	John Herbert; Hutton, Richard H; Stewart E. Pearson (pearsonse@ci.gainesville.fl.us)
Subject:	RE: Observations on Latest Cabot GW Data - EPA vs Cabot Results and EPA Results for HG26S
Date:	Monday, December 08, 2014 11:45:00 AM
Attachments:	USEPA CAbot 8-2014 Data Summary with final data by ACEPD 12-08-2014 Revised.xlsx

Scott,

I found an error in my spreadsheet for the methane concentration in HG28D and it is correct in the attached revised spreadsheet of all the data.

John

From: Miller, Scott [mailto:Miller.Scott@epa.gov]
Sent: Monday, December 08, 2014 11:25 AM
To: John Mousa
Cc: John Herbert; Hutton, Richard H; Stewart E. Pearson (pearsonse@ci.gainesville.fl.us)
Subject: RE: Observations on Latest Cabot GW Data - EPA vs Cabot Results and EPA Results for HG26S

Hello John,
Thank you for the information.
Scott

From: John Mousa [mailto:jjm@alachuacounty.us]
Sent: Monday, December 08, 2014 11:22 AM
To: Miller, Scott
Cc: John Herbert; Hutton, Richard H; Stewart E. Pearson (pearsonse@ci.gainesville.fl.us)
Subject: Observations on Latest Cabot GW Data - EPA vs Cabot Results and EPA Results for HG26S

Scott,

I have spent some time comparing the analytical results from the USEPA Sampling of the Cabot Site Surficial and HG wells in August vs the Weston data from June and August produced for Cabot and noticed a discrepancies in the data that may have some relevance to the Quality Assurance plan being prepared by Cabot Gradient for the next round of sampling at the Cabot site and for issues with Beazers data for Well HG26S..

1) In the data for the upgradient wells ITW-1 and ITW-2 and the downgradient well WMW17E --- ITW-1 and ITW-2 are located southwest of the Cabot site and historically have shown no contamination with methylphenols and phenols. However the USEPA August 2014 data in ITW-1 shows low levels of 2,4 dimethyl, 2-methyl, 3&4 methylphenols and phenol. The values range from 3 to 39 ug/L. The same sequence of phenols shows up in ITW-2 (2 to 25 ug/l). The Weston data shows non detects of less than 1 or 2 ug/l for these compounds.

2) Also in Sample WMW 17E, the Weston data only reports 2,4 -dimethylphenol at 18 ug/l in the August data and less than 2.0 ug/l in June. But the EPA August data shows not only 2,4-dimethylphenol at 38 ug/l but also shows 2-methylphenol (9 ug/L), 3 &4 methylphenol (27ug/l) and Phenol (40ug/L). There may be a blank problem with the EPA phenol data or maybe the Weston analysis is not picking up the other phenols. It would seem appropriate that USEPA should resample and test these wells to confirm this data.

3) Also the Benzene data in Weston's August data for sample ITW-14 needs to be reviewed since the value for Benzene is reported as <5 ug/l when the previous June data from Weston shows (35 ug/l) and USEPA data from August shows (25 ug/L).

4) Also regarding the latest USEPA Data for Beazer Well HG26S , I have noted that the USEPA August 2014 data shows several Chlorophenols namely, Pentachlorophenol (140ug/L) , 2,4 dichlorophenol (8ug/L), 2,4,5 dichlorophenol (24 ug/L), 2,3,4,6-tetrachlorophenol (43ug/L) measured but the historical (3rd Qtr 2013) Beazer data for HG 26S only shows low levels of one chlorophenol, namely Pentachlorophenol (15ug/L) detected. Since the lower substituted chlorophenols could be degradation products of penta they should be monitored and reported. I cannot tell from the Beazer data packages since they only report the "hits" if they are monitored. If they are and are below detection, then a question needs to be asked why they have not been historically reported as present.

I have attached a summary spreadsheet with the results in question. I have also attached a full spreadsheet showing all the data from EPA and Cabot for your use and consideration.

John

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