

From: Borski, Jennifer - DNR
To: ["Wayne Fassbender"](#)
Cc: [Hammerton, JP](#)
Subject: RE: VOC Sample Results for Albany Luvata Chrome Site
Date: Thursday, April 13, 2017 12:41:00 PM
Attachments: [image003.png](#)
[image004.png](#)

Wayne,

Thank you for this information and the summary. Please plan to submit the final results in a written status update for inclusion in the file.

Sampling shallow soil and new wells in the former process room for analysis of VOCs will be important to identify the VOC source area(s) moving forward. Since CVOCs are sinkers (heavier than water), analyzing groundwater from piezometers for VOCs will be important for vertical delineation and hopefully support a minimal historical release from past operations.

I am waiting for submittal of a revised site investigation workplan (or addendum with changes) to incorporate the changes we've discussed on the phone (e.g., NR 141 wells in lieu of temporary wells in the former process room, tweaking well locations, including hexavalent chromium delineation in soil, etc.). The revised SIWP should include the VOC investigation discussed above as well. Once submitted, I will be able to write the approval so you can proceed.

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Jennifer Borski

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From: Wayne Fassbender [mailto:WFassbender@enviroforensics.com]
Sent: Wednesday, April 12, 2017 10:38 AM
To: Borski, Jennifer - DNR
Cc: Hammerton, JP
Subject: VOC Sample Results for Albany Luvata Chrome Site

Hi Jennifer:

I have attached preliminary results for the water sampling performed at the Luvata Site. Good news in that only minor concentrations of chlorinated compounds detected. Final results should not change and I will have them by this Friday. Lab quality control data looks good. Here is a summary if you don't want to weed through the results (in ug/l):

MW-10R---no detections above lab limits

MW-19:

- PCE at 8.7 (just above ES of 5.0)
- TCE at 3.3 (above PAL of 0.5, but below ES of 5.0)
- cis DCE at 3.1 (below PAL of 7.0)
- 1,1,1 TCA at 2.5 (below PAL of 40.0)
- 1,1 DCA at 0.26 J-flagged (below PAL of 85.0)

MW-20---cis DCE at 0.31 J-flagged (below PAL of 7.0)

Manhole:

--PCE at 0.79 (just above PAL, but below ES)

--TCE at 3.3 (above PAL, but below ES)

--cis DCE at 21.4 (above PAL, but below ES of 70.0)

--trans DCE at 0.58 J-flagged (below PAL of 20.0)

Sump—cis DCE at 1.0 (below PAL)

No other volatile organic compounds were detected in these samples above detection limits. Based on these results, I do not feel that additional extensive investigations or sampling needs to be done regarding the detected VOC's; however, since we are installing new wells and collecting soil samples anyway, Albany would not be opposed to collecting shallow soil samples for VOC analysis at the locations inside the warehouse and adding VOC's to the list of analytes for shallow wells inside the warehouse, if you feel that is necessary.

Let me know your thoughts.

Wayne P. Fassbender, PG

Senior Project Manager

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