From:	Marty Burck
To:	Boykin, Michael
Subject:	RE: Triangle Oil
Date:	Friday, October 09, 2015 4:40:42 PM
Attachments:	removed.txt

Thanks, that appears to take care of my question. Would it be accurate to assume that the reported PID readings at the borings represents the highest observed ?

Marty Burck

From: Boykin, Michael [mailto:Boykin.Michael@epa.gov]
Sent: Friday, October 09, 2015 4:13 PM
To: Marty Burck
Cc: Josh Owen; Franklin, Richard; THOMS Bryn
Subject: RE: Triangle Oil

Marty,

Downhole PID readings were not collected during this investigation.

Below is a description of how the START screened the soil cores utilizing a PID prior to soil sample collection.

During the subsurface source investigation, the Geoprobe rig was used to push rod and a sampler loaded with a dedicated PVC sample sleeve. Samplers were advanced at 4-foot intervals.

Upon removal of rod/sampler from the borehole, the PID was used at ground surface to monitor conditions in the borehole. The rod and sampler were not removed from the borehole until the sample team was ready to screen the borehole. Again, no down hole PID readings were collected.

After the borehole was screened, the sample sleeve was removed from the sampler, and opened by cutting the sleeve. After cutting the PVC sleeve, a dedicated stainless-steel spoon was used to expose soil in each area of interest within the core, followed by screening with a PID. Once PID screening was complete, VOC and TPH-Gx aliquots were removed directly from the sampling sleeve using 5-gram Core-N-One™ samplers. Remaining sample material was transferred to a dedicated stainless steel bowl, thoroughly homogenized, and placed into pre-labeled sample containers. Collected samples were them placed in a cooler on ice.

Hope that helps. I will forward a copy of the Site-Specific Sample Plan

with SOPs as soon as it is final in the next week or so.

Sincerely,
Mike

Michael Boykin
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From: Marty Burck [mailto:mburck-msba@gorge.net]
Sent: Thursday, October 08, 2015 1:11 PM
To: Boykin, Michael.
Cc: Josh Owen
Subject: RE: Triangle Oil

Michael,
Thanks for the info. What prompted my inquiry was the PID readings from the EPA boreholes. If those readings are from soil samples, then I don't need to go much further with that inquiry. However, if the PID readings were from the borehole itself, possibly by lowering a tubing down hole attached to a PID, or similar, then I would be interested in protocol, depth, purge/no purge, etc…..

For full disclosure, I also emailed Richard Franklin with a similar request knowing that he was there early on and may have unique recollections regarding this matter. He emailed back that he was out of town and could it wait. I told him it was not urgent and could wait till he returned.

I will be interested in a copy of the Sampling Plan once it is ready for distribution. Also, if the probe boring PID readings were not from soil samples but were collected down hole, then I would be interested in a copy of the SOP pertaining to that task at your earliest convenience.

Thanks again,

Sincerely,
Marty Burck

From: Boykin, Michael [mailto:Boykin.Michael@epa.gov]
Sent: Thursday, October 08, 2015 11:38 AM
To: Marty Burck
Cc: THOMS Bryn; Leefers, Kristin
Subject: RE: Triangle Oil

Hi Marty,
EPA and our START contractor did not collect soil vapor samples,

we conducted a geoprobe investigation and collected soil samples from the sample sleeve (depending on recovery) and groundwater samples if present. We followed SOPs on geoprobing, soil and water sample collection, among others. The SOPs are attached to our Draft sampling plan that is being finalized as we speak.

I can arrange to forward the relevant SOPs if you wish to review and possibly emulate, otherwise we can send you the whole sampling plan with all attachments once it is final, probably early next week.

Sincerely,
Mike

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From: Marty Burck [mailto:mburck-msba@gorge.net]
Sent: Tuesday, October 06, 2015 9:53 AM
To: Boykin, Michael
Subject: Triangle Oil

Michael,
I am seeking information regarding the protocol that was utilized for the soil vapor sampling conducted by EPA in John Day Oregon this past June/July. More specifically, I am looking for sample depth, screen interval, purge volume, etc… In other words, basic information regarding the configuration of the vapor sample probes and collection methodology.

I am preparing to conduct vapor sampling at the site in the near future (beginning Oct 18th) and would like to have this information as a reference for comparison and/or emulation. Due to the short period time between now and the scheduled sampling, your prompt attention to this matter is greatly appreciated.

Thank you for your assistance.

Marty Burck
Licensed Geologist OR, CA, WA

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