Message

From: Michael Honeycutt [Michael.Honeycutt@tceq.texas.gov]
Sent: 3/20/2019 8:06:31 PM
To: Rauscher, Jon [Rauscher.Jon@epa.gov]
Subject: FW: Afternoon Monitoring Update
Attachments: Deer Park Fire 0319 FDSS_PP.xlsx; SO2 Conc.xlsx; 20190319-035722Z.txt

Michael Honeycutt, Ph.D.
Director, Toxicology, Risk Assessment, and Research Division
Texas Commission on Environmental Quality

Phone: (512)239-1793
Mobile: (512)623-0916
E-Mail: michael.honeycutt@tceq.texas.gov

From: Richard Chism
Sent: Tuesday, March 19, 2019 4:41 PM
To: Michael Honeycutt <Michael.Honeycutt@tceq.texas.gov>; Sabine Lange <Sabine.Lange@tceq.texas.gov>; Ramiro Garcia <ramiro.garcia@tceq.texas.gov>; Jonathan Walling <jonathan.walling@tceq.texas.gov>
Cc: Brandy Brooks <brandy.brooks@tceq.texas.gov>; Tracy Miller <tracy.miller@tceq.texas.gov>; Susan Johnson <susan.johnson@tceq.texas.gov>
Subject: FW: Afternoon Monitoring Update

Mike/Sabine,

Attached is a second set of data from the monitoring vans for sampling conducted today.

Cory

From: Larry Ogle
Sent: Tuesday, March 19, 2019 4:03 PM
To: Julie Eldredge <Julie.Eldredge@Tceq.Texas.Gov>; Richard Chism <Richard.Chism@tceq.texas.gov>; Brandy Brooks <brandy.brooks@tceq.texas.gov>
Subject: Afternoon Monitoring Update

Good afternoon,

We are still monitoring at the Galleria location through the time of this update. I have talked to the Houston region and Joe Dobie. Both are waiting for a large meeting to conclude before giving us more direction. The visible plume has shifted north of us, so we conducted a survey with a TVA in neighborhoods south of 290 then north of 290 and outside of Loop 610 underneath the plume (see below). We did not detect any elevated levels of VOCs, but the TVA is a ppm level instrument and the concentrations would have to be 1 to 2 ppm above background before we detected anything. Joe told me that the crews closer to the fire were not detecting VOCs, but were getting reports of black ash falling in some areas.

I have attached the GC, SO2 and H2S data. We were able to pull unprocessed methane data from the Picarro, but cannot read the data file. It is in a .dat format. I will have Nathan work on extracting it tonight.

Survey Data Locations:
Millewe and Bolin Streets south of 290 - Detected Levels <0.75 ppm. Slightly south of the plume. 7 minute monitoring in the neighborhood.
Oaknut and Rosslyn neighborhoods north of 290 – Detected levels <0.25 ppm. Directly under the plume, monitored 12 minutes up and down numerous streets and cul-de-sacs.
Jaywood Street – Detected levels <0.25 ppm; directly under the visible plume. Monitored 5 minutes on several streets in the neighborhood.
All surveys were conducted while driving at 10 to 15 mph and holding the TVA probe out of the window.

H2S, SO2, methane and GC data were collected at 5204 Richmond Avenue in the Galleria.
The highest uncorrected Level of H2S detected was at 11:54 am and was 13.2 ppb.
The highest level of SO2 detected was at 11:45 am and was 10.4 ppb.
VOCs detected and their concentrations in ppb included:
Ethane – 330
Acetylene – 14.4
Propane – 35
n-butane – 86
1-butene – 37
1,3-butadiene – 144
Styrene – 10.8 confirmed on 2nd column
m&p-xylene – 28 confirmed at 12 on second column
All other target compounds including benzene were not detected.

Methane 2 to 4 ppm with maximum slightly above 4.

Please call with questions. Thank you.

Larry