From: Williams, Jennifer
To: Caudill, Motria; Julian, Jaime
Cc: Fuoco, Marta; Sieffert, Margaret
Subject: RE: SAT Question
Date: Monday, March 25, 2013 9:04:01 AM

Thank you, Motria. That helps me understand their reasoning. I do have one other question. For the two Ohio schools, they reported chromium in PM10, and in the Indiana schools, they did not. I added the link to the Marietta site below:
http://www.epa.gov/schoolair/pdfs/Marietta-Vienna-Addl.pdf
Do you know of a reason why they included chromium in Ohio and not in Indiana when it was collected at all sites?
Thanks again,
Jennifer

From: Caudill, Motria
Sent: Monday, March 25, 2013 8:39 AM
To: Williams, Jennifer; Wagner, Jaime
Cc: Fuoco, Marta; Sieffert, Margaret
Subject: RE: SAT Question

I don't know what ended up in the final reports, but I do understand the rationale. TSP sampling was only done where Pb was a concern and this is how Pb was reported (per the NAAQS); other metals sampled as TSP were not reported. PM10 was done for other metals of concern (As, Cd, etc.) because this is the recommended fraction (by OAQPS) for risk assessment. Pb and Cr were not reported in PM10 because this is not the recommended way to monitor for either – Pb is done as TSP and Cr is done as hexavalent chromium using a separate method. Reporting Pb/Cr as PM10 or other HAP metals as TSP would be potentially confusing, especially when you have two different forms of Pb or HAP metal at the same site. As for Sr, Th and other rare metals, I guess they were left out because they're not HAPs. Does that explain it?

From: Williams, Jennifer
Sent: Monday, March 25, 2013 8:06 AM
To: Wagner, Jaime; Caudill, Motria
Cc: Fuoco, Marta; Sieffert, Margaret
Subject: SAT Question

Good morning,

We have a question concerning data collection and reporting with respect to the first round of SAT reports that you both worked on. For any of the schools, did they collect any pollutants that they decided not to include in the report? For the second round in the Indiana schools, they collected chromium and lead in PM10, but did not include them in the attached pdf of other monitored pollutants. For Marietta they collected a much larger suite (like strontium and thorium, etc) but did not include them. And for East Liverpool, only lead in PM10 was not reported. I realize that lead is usually collected in TSP for criteria pollutant reasons, but for three of these schools, they only collected it in PM10 (I do, however, have lead in TSP for East Liverpool).

Below is link to one of the pdfs as an example:
http://www.epa.gov/schoolair/pdfs/EastChicagoAddl.pdf
We were hoping to know what background we could before talking to management and OAQPS.

Thanks,
Jennifer L Williams
Environmental Scientist
U.S. Environmental Protection Agency Region 5
Air and Radiation Division
Air Toxics and Assessment Branch
Toxics and Global Atmosphere Section
(312) 886-6074
Williams.JenniferL@EPA.gov