

From: [Shekter Smith, Liane \(DEQ\)](#)
To: [Busch, Stephen \(DEQ\)](#); [Wurfel, Brad \(DEQ\)](#); [Benzie, Richard \(DEQ\)](#)
Subject: Re: lead sampling instructions
Date: Wednesday, September 23, 2015 9:15:58 AM

Brad - sharing this response from Steve as this question seemed to be causing a bit of confusion yesterday on our call. It may be something that we need to address in other forums.

From: Busch, Stephen (DEQ)
Sent: Wednesday, September 23, 2015 9:10 AM
To: Dykema, Linda D. (DCH)
Cc: Shekter Smith, Liane (DEQ); Groetsch, Kory J. (DCH)
Subject: RE: lead sampling instructions

The 36 ME is a general metals sample and would include lead, or as noted if lead or arsenic is the only metal requested it can be done at a lower cost \$18 vs. \$102. This is used at entry points to distribution systems, i.e. the finished water plant tap of a water treatment plant. The flushing described is used to ensure water quality is representative of the public water system. It is not a first draw sample.

A 36 CC is used specifically for customer tap lead and copper monitoring in accordance with the lead and copper rule. As indicated in the lab sheet it asks for a minimum 6 hour stagnation period, preservation within 14 days and a first draw sample, no flushing.

Here is the full lab analysis fee sheet showing all the types of requests not just the common ones.
http://michigan.gov/documents/deq/DEQ-RRD-LSS-EQP2301_454667_7.pdf?20150923084920

and the bottle requisition form linked below. Note the two bottles 36ME and 36CC are very different. If the lab had a request for the first draw lead and copper analysis on a metals bottle that was submitted it wouldn't be run and vice versa.

http://michigan.gov/documents/deq/DEQ-RRD-LSS-EQP2301_ORDER_462884_7.pdf?20150923084920

Stephen Busch, P.E.
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From: Dykema, Linda D. (DCH)

Sent: Tuesday, September 22, 2015 3:40 PM
To: Busch, Stephen (DEQ)
Cc: Shekter Smith, Liane (DEQ); Groetsch, Kory J. (DCH)
Subject: RE: lead sampling instructions

Would you explain the difference between 36ME and 36CC and when you'd use which?

From: Dykema, Linda D. (DCH)
Sent: Tuesday, September 22, 2015 3:37 PM
To: Busch, Stephen (DEQ)
Cc: Shekter Smith, Liane (DEQ); Groetsch, Kory J. (DCH)
Subject: RE: lead sampling instructions

News reports are saying that the city/state tells people to flush the tap for 10 minutes then take the sample...there's a lot on the VA Tech web page to that effect as well.

From: Busch, Stephen (DEQ)
Sent: Tuesday, September 22, 2015 3:32 PM
To: Dykema, Linda D. (DCH)
Cc: Shekter Smith, Liane (DEQ); Groetsch, Kory J. (DCH)
Subject: Re: lead sampling instructions

On the lab instructions you are referring to the wrong analysis. See the 36 cc farther down

Stephen Busch, P.E.
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Sent from my iPhone

On Sep 22, 2015, at 3:26 PM, Dykema, Linda D. (DCH)
 <DykemaL@michigan.gov> wrote:

I'm seeing a discrepancy in the instructions for DW sampling for lead between the back of form EQB 2300 (36ME) http://www.michigan.gov/documents/deq/deq-ess-lab-eqp2300-wateranalysisform_237257_7.pdf and those at http://www.michigan.gov/deq/0,4561,7-135-3313_3675_3691-9677--,00.html. The word or pdf instruction under helpful tools on the later page reads as Liane indicated in the call, flush the tap, let it sit 6 hours then take a first run sample. But the back of the request form says:

"Select a clean faucet and remove such attachments as aerators, dishwasher connectors, etc. Allow water to run for about ten minutes at full flow from the sampling tap. Reduce

flow to avoid splashing,
and collect the sample directly into the bottle. Do not use an intermediate
container. Do not allow water
from the outside surface of the faucet to drip into the bottle. Fill bottle to the
bottom of neck.”

Linda D. Dykema, Ph.D.

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