

DIVISION OF AIR QUALITY
 Ambient Monitoring Section
 217 West Jones Street / 1641 Mail Service Center
 Raleigh, NC 27699-1641

9/13/2022

QA BULLETIN NUMBER DAQ-17-013.2

TO: Regional Ambient Monitoring Staff

THROUGH: Patrick Butler, Ambient Monitoring Section Chief

DocuSigned by: 9/12/2022
Patrick Butler
 4290A7E2D2A0429...

Joette Steger, Projects and Procedures Branch Supervisor

DocuSigned by: 9/12/2022
Joette Steger
 B278F8186CEC4DC...

Derrick House, Electronics and Calibration Branch Supervisor

DocuSigned by: 9/12/2022
Derrick House
 2BFD2E5865E148E...

FROM: Travis Funderburk, Environmental Chemist, Projects and Procedures Branch

DocuSigned by: 9/12/2022
Travis Funderburk
 BDD86579E9314CD...

Roger Locklear, Electronics Technician, Electronics and Calibration Branch

DocuSigned by: 9/12/2022
Roger Locklear
 B67EAC3EB3124A...

Joel Little, Electronics Technician, Electronics and Calibration Branch

9/12/2022
 DocuSigned by:
Joel Little
 C1A2D4140D94415...

SUBJECT: BAM 1020 Zero Background Test

Finding several days of good weather to perform a zero-background test can be a challenge. The BAM 1020 manual indicates in these situations, it is acceptable to perform the test with the zero filter inside the BAM shelter. Below is an excerpt from the BAM 1020-9805 Manual Rev F manual explaining how to setup the unit in these conditions. "Weather (rain, mist, very high humidity, high dew point, etc.) can sometimes make it difficult to perform the zero-filter test with the filter mounted outdoors at the monitoring site. In these situations, the BX-302 zero filter assembly should be mounted inside the shelter. Replace the standard inlet tube, with the short 1.5 foot long inlet tube (this tube is included with each BAM 1020 to sample room air). Mount the smart-heater and the BX-302 zero filter assembly on this shorter tube inside the shelter." The ambient temperature sensor (BX-597A or BX-598) should always be placed in the same environment from which the air is sampled. If the BX-302 is mounted inside the shelter, the ambient temperature sensor should also be placed inside the shelter." Contact Joel Little at the ECB for parts and accessories for this setup. This change will be added to SOP during the next revision.

Replace and Discard Original	<input type="checkbox"/>
Add Material to Document <u>BAM 1020 ECB & Operator SOPs</u>	<input checked="" type="checkbox"/>
Retain this bulleting until further notice	<input checked="" type="checkbox"/>
Discard this bulleting after noting contents	<input type="checkbox"/>
This bulleting will be invalid after:	Click or tap to enter a date.
This bulletin will be incorporated into the BAM 1020 ECB and Operator SOPs by	3/12/2023

