

PEP Field Data Sheet for BGI PQ200A

PEP Event Type: FRM PM-2.5 PM-Coarse

Sampling Event Information			
AQS Site ID		Setup Date	
Site Name		Primary SLT Sampler Serial No.	
PEP Field Scientist		PEP PQ200A Serial No.	
Parameter Check Device	Make/ Model	Serial No.	
Multi-Standard ¹			
Temperature Standard			
Barometric Pressure Standard			
Flow Rate Standard			
Time Checks OK?	<input type="checkbox"/> Yes <input type="checkbox"/> No (describe)		
Monitoring Site Criteria OK?	<input type="checkbox"/> Yes <input type="checkbox"/> No (describe)		

¹ Use this line for multi-standard instruments (e.g., BGI TriCal and DeltaCal) when used for all three checks.

PQ200A PEP Sampler Verification Checks ²				Date:
Leak Check	Criteria	Beginning P	Ending P	Verification OK?
2-Minute Interval	Change < 5 cmH ₂ O	cmH ₂ O	cmH ₂ O	<input type="checkbox"/> Yes <input type="checkbox"/> No
Bar. Pressure	Criteria	Ref Standard	Sampler	Verification OK?
Ambient	± 10 mmHg	mmHg	mmHg	<input type="checkbox"/> Yes <input type="checkbox"/> No
Temperature	Criteria	Ref Standard	Sampler	Verification OK?
Ambient Sensor	± 2°C	°C	°C	<input type="checkbox"/> Yes <input type="checkbox"/> No
Filter Sensor	± 2°C	°C	°C	<input type="checkbox"/> Yes <input type="checkbox"/> No
Flow Rate Verification				
Audit Standard FR (Cal.) Check	Criteria	Ref Standard	Sampler	Verification OK?
	< 4% difference	Lpm	Lpm	<input type="checkbox"/> Yes <input type="checkbox"/> No
Design Flow Rate "Q" Check	Criteria (±4%)	Ref Standard	Design	Verification OK?
	15.83 ≤ Q ≤ 17.50	Lpm	16.67 Lpm	<input type="checkbox"/> Yes <input type="checkbox"/> No

² Indicate only the final result of the check after all troubleshooting has been done. Document troubleshooting in the "Notes" section below and/or in the field notebook. If troubleshooting is unsuccessful, the sampler must be recalibrated or repaired before conducting a sampling event. Fill out a new Field Data Sheet for the replacement sampler.

PEP Exposure Data			
Filter Cassette ID		Cassette Retrieval Date/Time:	
PM Cut Point	<input type="checkbox"/> PM-2.5 <input type="checkbox"/> PM-10		
Elapsed Time (ET)		Filter Integrity OK?	<input type="checkbox"/> Yes <input type="checkbox"/> No (describe)
Total Volume (m ³)			
Flow Rate (Lpm)	Q: 16.7	Avg:	CV:
Start Date/Time		Data Download OK?	<input type="checkbox"/> Yes <input type="checkbox"/> No (describe)
Stop Date/Time			
Temperature (°C)	Max:	Min:	Avg:
Bar. Pressure (mm Hg)	Max:	Min:	Avg:
Field Blank Cassette ID		Sampler Flags ³ :	
Trip Blank Cassette ID		Field Flags:	
Companion Cassette ID ⁴			
Collocated Cassette ID(s) ⁵			

³ Make sure to add (EST) flag in "Sampler Flags" if runtime is outside of 1380- 1500 minute range.

⁴ For PM-coarse sampling event, if PM-2.5 is routine filter type, then list the companion PM-10 filter cassette ID and vice versa.

⁵ For parking lot studies, all the IDs can be listed on one form. Be sure to indicate PM cut point.

Notes: