



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL PROTECTION DIVISION

**Richard E. Dunn, Director**

**Air Protection Branch**

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**MEMORANDUM:**

TO: Stephen Damaske  
THROUGH: Daniel McCain  
FROM: Joshua Pittman  
SUBJECT: SOURCE TEST REPORT REVIEW

The following test has been reviewed and was conducted in an acceptable fashion for the purpose intended.

COMPANY NAME	Sterilization Services of Georgia					
COMPANY LOCATION	Atlanta, GA					
SOURCE TESTED	Backvents (AAT Scrubber)					
POLLUTANT DETERMINED	Ethylene Oxide					
REPORT REVIEWED BY	Joshua Pittman					
TEST WITNESSED BY	Marie Miller, Ray Shen					
DATE(S) OF TEST	February 24, 2021					
DATE RECEIVED BY APB	April 27, 2021					
MAXIMUM EXPECTED OPERATING CAPACITY	34 UNITS					
OPERATING CAPACITY	N/A					
ALLOWABLE EMISSION RATE	99.0 % DRE					
APPLICABLE REGULATION	Permit 3841-121-0010-S-03-0, condition 2.6. 40 CFR 63.362					
CONTROL EQUIPMENT AND MONITORING DATA	Average differential pressure: 0,55 in H <sub>2</sub> O. See Appendix K of test report.					
	<b>TEST RUN #</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>AVERAGE</b>	
GAS TEMPERATURE (°F)	Inlet	92.0	91.6	102.5		
	Outlet	55.5	75.1	77.5		
GAS MOISTURE (%)	Inlet	0.935	0.842	1.159		
	Outlet	0.539	0.986	1.005		
GAS FLOW RATE (ACFM)	Inlet	1544	1841	1258		
	Outlet	1799	1720	1876		
GAS FLOW RATE (DSCFM)	Inlet	1421	1696	1134		
	Outlet	1775	1627	1766		
POLLUTANT CONCENTRATION (PPM)	Inlet	115.3	88.65	85.02		96.32
	Outlet	0.00965	0.0164	0.0153		0.01378
EMISSION RATE (LB/HR)	Inlet	1.124	1.032	0.661	0.939	
	Outlet	0.000117	0.000183	0.000185	0.000161	
DESTRUCTION EFFICIENCY (%)	99.9850					
OTHER INFORMATION	The outlet results for Run 1 were below the minimum detection limit. The minimum detection limit was used to calculate the concentration and emission rate for Run 1.					