

1,000 ppm ECA Marine Fuel Sulfur Precision Demonstration [ECA0300 : OMB #2060-0731, Expires 1/31/2024]. This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. OMB Control No 2060-0731. Responses to this collection of information are voluntary 1090 CFR 1360 through 1090 1365. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to average 180 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Test Method				
Name of Method:				
Organization ID No. (as in ASTM D XXXX-XX):				
Laboratory Identification				
Laboratory Name:				
Laboratory Street Address:				
Laboratory City:				
Laboratory State:				
Laboratory Zip code:				
Laboratory Contact Person:				
Laboratory Contact Phone Number				
Laboratory Contact Facsimile Number				
Laboratory Contact E-mail Address				
<p>1,000 ppm Sulfur Precision Criterion (§1090.1360(b)) - a standard deviation less than 20.1 ppm, computed from the results of a minimum of 20 repeat tests made over 20 days on samples taken from a single homogenous commercially available ECA Marine fuel with a sulfur range of 700 to 1,000 ppm. A lab facility may exclude a given sample or test result only if the exclusion is for a valid reason under good laboratory practices and it maintains records regarding the sample and test results and the reason for excluding them. You may make up to 4 separate measurements in a 24-hour period, as long as the interval between measurements is at least 4 hours. §1090.1350(a)(2) §1090.1360(a)(2) & §1090.1365(b)(3) Table 1.</p>				
Is 1,000 ppm Sulfur Precision Criterion Met?		REQUIRED DATA MISSING		
standard deviation		REQUIRED DATA MISSING		
Laboratory Test Identification Number	Date	Time	Test Result (ppm)	Data Entry QC Check on Test Result

				DATA REQUIRED IN CELL D20
				DATA REQUIRED IN CELL D21
				DATA REQUIRED IN CELL D22
				DATA REQUIRED IN CELL D23
				DATA REQUIRED IN CELL D24
				DATA REQUIRED IN CELL D25
				DATA REQUIRED IN CELL D26
				DATA REQUIRED IN CELL D27
				DATA REQUIRED IN CELL D28
				DATA REQUIRED IN CELL D29
				DATA REQUIRED IN CELL D30
				DATA REQUIRED IN CELL D31
				DATA REQUIRED IN CELL D32
				DATA REQUIRED IN CELL D33
				DATA REQUIRED IN CELL D34
				DATA REQUIRED IN CELL D35
				DATA REQUIRED IN CELL D36
				DATA REQUIRED IN CELL D37
				DATA REQUIRED IN CELL D38
				DATA REQUIRED IN CELL D39

1,000 ppm ECA Marine Fuel Sulfur Accuracy Demonstration [ECA0300 : OMB #2060-0731, EPA ICR number 2607.02: Expires 1/31/2024]

Test Method	
Name of Method:	0
Organization ID No. (as in ASTM D XXXX-XX):	0
Laboratory Identification	
Laboratory Name:	0
Laboratory Street Address:	0
Laboratory City:	0
Laboratory State:	0
Laboratory Zip code:	0
Laboratory Contact Person:	0
Laboratory Contact Phone Number	0
Laboratory Contact Facsimile Number	0
Laboratory Contact E-mail Address	0
<p>Confidential Business Information Claim. A company may assert a business confidentiality claim covering the information contained in this submission. If no such claim is made the information may be made available to the public by EPA without further notice. All questions of confidentiality will be handled pursuant to 40 CFR Part 2. Is confidentiality claimed for the information in this submission? (Note: Please answer by typing "Yes" or "No" in the adjacent cell.)</p>	

900 to 1,000 ppm Accuracy Criterion (§1090.1365(c)(3)(ii)) - the arithmetic average of a continuous series of at least 10 tests performed on a commercially available gravimetric sulfur standard in the range of 900 to 1000 ppm sulfur shall not differ from the accepted reference value (ARV) of that standard by more than 15.075 ppm. Individual test results shall be compensated for any known chemical interferences. §1090.1350(a)(2) §1090.1360(a)(2)& §1090.1365(c)(3) Table 1.

Accuracy Criterion for 900-1,000 ppm gravimetric sulfur standard	
Is 900-1,000 ppm Sulfur Accuracy Criterion Met?	REQUIRED DATA MISSING
Arithmetic Average (ppm)	REQUIRED DATA MISSING
Vendor Name of Gravimetric Standard	
Lot Identification Number of Gravimetric Standard	Concentration QC Check on ARV
Accepted Reference Value (ARV) of Gravimetric Standard (ppm)	ARV TOO LOW IN CONCENTRATION

Difference between Arithmetic Average and ARV of Gravimetric Standard	REQUIRED DATA MISSING			
Laboratory Test Identification Number	Date	Time	Test Result (ppm)	Data Entry QC Check on Test Result
				DATA REQUIRED IN CELL J26
				DATA REQUIRED IN CELL J27
				DATA REQUIRED IN CELL J28
				DATA REQUIRED IN CELL J29
				DATA REQUIRED IN CELL J30
				DATA REQUIRED IN CELL J31
				DATA REQUIRED IN CELL J32
				DATA REQUIRED IN CELL J33
				DATA REQUIRED IN CELL J34
				DATA REQUIRED IN CELL J35

1,000 ppm ECA Marine Fuel Sulfur Precision Demonstration [ECA0300 : OMB #2060-0731, EPA ICR number 2607.02: Expires 1/31/2024]

Test Method	
Name of Method:	Standard Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-ray Fluorescence Spectrometry
Organization ID No. (as in ASTM D XXXX-XX):	ASTM D2622-10
Laboratory Identification	
Laboratory Name:	USEPA National and Vehicle Fuels Emissions Laboratory/OAR
Laboratory Street Address:	2565 Plymouth Road, Mailcode AATSG
Laboratory City:	Ann Arbor
Laboratory State:	Michigan
Laboratory Zip code:	48105
Laboratory Contact Person:	John Doe
Laboratory Contact Phone Number	xxx-xxx-xxxx
Laboratory Contact Facsimile Number	xxx-xxx-xxxx
Laboratory Contact E-mail Address	FuelsProgramSupport@epa.gov
<p>1,000 ppm Sulfur Precision Criterion (§1090.1365(b)) - a standard deviation less than 20.1 ppm, computed from the results of a minimum of 20 repeat tests made over 20 days on samples taken from a single homogenous commercially available ECA Marine fuel with a sulfur range of 700 to 1,000 ppm. A lab facility may exclude a given sample or test result only if the exclusion is for a valid reason under good laboratory practices and it maintains records regarding the sample and test results and the reason for excluding them. You may make up to 4 separate measurements in a 24-hour period, as long as the interval between measurements is at least 4 hours. §1090.1350(a)(2) §1090.1360(a)(2) & §1090.1365(b)(3) Table 1.</p>	

Is 15 ppm Sulfur Precision Criterion Met?	PASSED			
standard deviation	12.42			
Laboratory Test Identification Number	Date	Time	Test Result (ppm)	Data Entry QC Check on Test Result
#####	3/26/2021	8:00 AM	755.000	OK
#####	3/29/2021	8:01 AM	780.000	OK
#####	3/30/2021	8:20 AM	765.000	OK
#####	3/31/2021	8:23 AM	750.000	OK
#####	4/1/2021	8:00 AM	745.000	OK
#####	4/2/2021	8:00 AM	760.000	OK
#####	4/3/2021	8:20 AM	763.000	OK
#####	4/4/2021	8:20 AM	772.000	OK
#####	4/5/2021	8:00 AM	749.000	OK
#####	4/8/2021	8:01 AM	730.000	OK
#####	4/9/2021	8:20 AM	740.000	OK
#####	4/10/2021	8:00 AM	760.000	OK
#####	4/11/2021	8:00 AM	745.000	OK
#####	4/12/2021	8:01 AM	750.000	OK
#####	4/15/2021	8:20 AM	756.000	OK

#####	4/16/2021	8:01 AM	763.000	OK
#####	4/17/2021	8:00 AM	765.000	OK
#####	4/18/2021	8:00 AM	763.000	OK
#####	4/19/2021	8:01 AM	777.000	OK
#####	4/22/2021	8:20 AM	750.000	OK

1,000 ppm ECA Marine Fuel Sulfur Accuracy Demonstration [ECA0300 : OMB #2060-0731, EPA ICR number 2607.02: Expires 1/31/2024]

Test Method	Standard Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-ray Fluorescence
Name of Method:	Spectrometry
Organization ID No. (as in ASTM D XXXX-XX):	ASTM D2622-10
Laboratory Identification	
Laboratory Name:	USEPA National and Vehicle Fuels Emissions Laboratory/OAR
Laboratory Street Address:	2565 Plymouth Road, Mailcode AATSG
Laboratory City:	Ann Arbor
Laboratory State:	Michigan
Laboratory Zip code:	48105
Laboratory Contact Person:	John Doe
Laboratory Contact Phone Number	xxx-xxx-xxxx
Laboratory Contact Facsimile Number	xxx-xxx-xxxx
Laboratory Contact E-mail Address	FuelsProgramSupport@epa.gov

900 to 1,000 ppm Accuracy Criterion (§1090.1365(c)(3)(ii)) - the arithmetic average of a continuous series of at least 10 tests performed on a commercially available gravimetric sulfur standard in the range of 900 to 1000 ppm sulfur shall not differ from the accepted reference value (ARV) of that standard by more than 15.075 ppm. Individual test results shall be compensated for any known chemical interferences. §1090.1350(a)(2) §1090.1360(a)(2)& §1090.1365(c)(3) Table 1.

Accuracy Criterion for 900-1000 ppm gravimetric sulfur standard		
Is 900-1000 ppm Sulfur Accuracy Criterion Met?	PASSED	
Arithmetic Average (ppm)	951.70	
Vendor Name of Gravimetric Standard	NIST	
Lot Identification Number of Gravimetric Standard	ALDS53478	Concentration QC Check on ARV
Accepted Reference Value (ARV) of Gravimetric Standard (ppm)	950.00	OK
Difference between Arithmetic Average and ARV of Gravimetric Standard	1.70000000000005	

Laboratory Test Identification Number	Date	Time	Test Result (ppm)	Data Entry QC Check on Test Result
#####	4/23/2021	8:00 AM	960.000	OK
#####	4/23/2021	8:05 AM	940.000	OK
#####	4/23/2021	8:10 AM	942.000	OK
#####	4/23/2021	8:15 AM	962.000	OK
#####	4/23/2021	8:20 AM	953.000	OK
#####	4/23/2021	8:25 AM	957.000	OK
#####	4/23/2021	8:30 AM	949.000	OK
#####	4/23/2021	8:35 AM	950.000	OK
#####	4/23/2021	8:40 AM	956.000	OK
#####	4/23/2021	8:45am	948.000	OK