

15 ppm Diesel Sulfur Precision Demonstration [DLQ001: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	
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.)	

15 ppm Sulfur Precision Criterion (§1090.1365(b)) - a standard deviation less than 0.72 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 diesel fuel with a sulfur range of 5 to 15 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.

Is 15 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

15 ppm Diesel Sulfur Accuracy Demonstration [DLQ001: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
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10 to 20 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 10 to 20 ppm sulfur shall not differ from the accepted reference value (ARV) of that standard by more than 0.54 ppm. Individual test results shall be compensated for any known chemical interferences.

Accuracy Criterion for 10-20 ppm gravimetric sulfur standard				
Is 10-20 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 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

500 ppm Diesel Sulfur Precision Demonstration [DLQ001:OMB # 2060-0731, EPA ICR number 2607.02: Expires 1/31/2024]

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				
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<p>500 ppm Sulfur Precision Criterion (§1090.1365(b) - a standard deviation less than 11.5 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 diesel fuel with a sulfur range of 350 to 500 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.</p>				
Is 500 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

500 ppm Diesel Sulfur Accuracy Demonstration [DLQ001: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
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450 to 500 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 450 to 500 ppm sulfur shall not differ from the accepted reference value (ARV) of that standard by more than 8.65 ppm. Individual test results shall be compensated for any known chemical interferences.

Accuracy Criterion for 450-500 ppm gravimetric sulfur standard				
Is 450-500 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 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

15 ppm Diesel Sulfur Precision Demonstration [DLQ001:OMB # 2060-0731, EPA ICR number 2607.02: Expires 1/31/2024]

Test Method		Total Sulfur in Liquid Aromatic Hydrocarbons and Their Derivatives by Oxidative and		
Name of Method:		Electrochemical Detection		
Organization ID No. (as in ASTM D XXXX-XX):		ASTM D 6428-99		
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>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>				No
<p>15 ppm Sulfur Precision Criterion (§1090.1365(b) - a standard deviation less than 0.72 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 diesel fuel with a sulfur range of 5 to 15 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.</p>				
Is 15 ppm Sulfur Precision Criterion Met?		PASSED		
standard deviation		0.04		
Laboratory Test Identification Number	Date	Time	Test Result (ppm)	Data Entry QC Check on Test Result
#####	10/26/2004	8:00 AM	6.003	OK
#####	10/27/2004	8:05 AM	6.021	OK
#####	10/28/2004	8:03 AM	6.043	OK
#####	10/29/2004	8:05 AM	5.993	OK

#####	10/30/2004	8:05 AM	6.003	OK
#####	11/1/2004	8:03 AM	6.092	OK
#####	11/2/2004	8:03 AM	6.101	OK
#####	11/3/2004	8:03 AM	6.045	OK
#####	11/5/2004	8:00 AM	6.003	OK
#####	11/6/2004	8:00 AM	6.021	OK
#####	11/7/2004	8:02 AM	5.989	OK
#####	11/8/2004	8:00 AM	5.962	OK
#####	11/9/2004	8:00 AM	6.010	OK
#####	11/10/2004	8:00 AM	6.032	OK
#####	11/11/2004	8:15 AM	6.053	OK
#####	11/12/2004	8:00 AM	6.050	OK
#####	11/13/2004	8:07 AM	5.989	OK
#####	11/14/2004	8:00 AM	6.033	OK
#####	11/15/2004	8:00 AM	5.939	OK
#####	11/16/2004	8:20 AM	6.042	OK

15 ppm Diesel Sulfur Accuracy Demonstration [DLQ001:OMB # 2060-0731, EPA ICR number 2607.02: Expires 1/31/2024]

Test Method	
Name of Method:	Total Sulfur in Liquid Aromatic Hydrocarbons and Their Derivatives by Oxidative and Electrochemical Detection
Organization ID No. (as in ASTM D XXXX-XX):	ASTM D 6428-99
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
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10 to 20 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 10 to 20 ppm sulfur shall not differ from the accepted reference value (ARV) of that standard by more than 0.54 ppm. Individual test results shall be compensated for any known chemical interferences.

Accuracy Criterion for 10-20 ppm gravimetric sulfur standard				
Is 10-20 ppm Sulfur Accuracy Criterion Met?	PASSED			
Arithmetic Average (ppm)	7.95			
Vendor Name of Gravimetric Standard	NIST			
Lot Identification Number of Gravimetric Standard	ALDS45678	Concentration QC Check on ARV		
Accepted Reference Value (ARV) of Gravimetric Standard (ppm)	8.00	OK		
Difference between Arithmetic Average and ARV of Gravimetric Standard	0.0515			
Laboratory Test Identification Number	Date	Time	Test Result (ppm)	Data Entry QC Check on Test Result

#####	1/13/2005	8:00 AM	7.341	OK
#####	1/13/2005	8:05 AM	7.562	OK
#####	1/13/2005	8:10 AM	7.894	OK
#####	1/13/2005	8:15 AM	8.219	OK
#####	1/13/2005	8:20 AM	8.234	OK
#####	1/13/2005	8:25 AM	8.100	OK
#####	1/13/2005	8:30 AM	8.114	OK
#####	1/13/2005	8:35 AM	7.989	OK
#####	1/13/2005	8:40 AM	7.687	OK
#####	1/13/2005	8:45am	8.345	OK

500 ppm Diesel Sulfur Precision Demonstration [DLQ001: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		
Name of Method:		Fluorescence Spectrometry		
Organization ID No. (as in ASTM D XXXX-XX):		ASTM D 2622-03		
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>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>				No
<p>500 ppm Sulfur Precision Criterion (§1090.1365(b) - a standard deviation less than 11.5 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 diesel fuel with a sulfur range of 350 to 500 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.</p>				
Is 500 ppm Sulfur Precision Criterion Met?		PASSED		
standard deviation		4.49		
Laboratory Test Identification Number	Date	Time	Test Result (ppm)	Data Entry QC Check on Test Result
#####	10/26/2004	8:00 AM	330.023	OK
#####	10/27/2004	8:05 AM	331.234	OK
#####	10/28/2004	8:03 AM	332.897	OK
#####	10/29/2004	8:05 AM	334.598	OK
#####	10/30/2004	8:05 AM	335.998	OK
#####	11/1/2004	8:03 AM	328.359	OK
#####	11/2/2004	8:03 AM	329.062	OK
#####	11/3/2004	8:03 AM	330.108	OK

#####	11/5/2004	8:00 AM	333.730	OK
#####	11/6/2004	8:00 AM	335.092	OK
#####	11/7/2004	8:02 AM	326.340	OK
#####	11/8/2004	8:00 AM	328.903	OK
#####	11/9/2004	8:00 AM	329.863	OK
#####	11/10/2004	8:00 AM	332.998	OK
#####	11/11/2004	8:15 AM	334.001	OK
#####	11/12/2004	8:00 AM	340.100	OK
#####	11/13/2004	8:07 AM	341.102	OK
#####	11/14/2004	8:00 AM	339.887	OK
#####	11/15/2004	8:00 AM	338.776	OK
#####	11/16/2004	8:20 AM	340.002	OK

500 ppm Diesel Sulfur Accuracy Demonstration [DLQ001: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 D 2622-03			
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			
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450 to 500 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 450 to 500 ppm sulfur shall not differ from the accepted reference value (ARV) of that standard by more than 8.65 ppm. Individual test results shall be compensated for any known chemical interferences.				
Accuracy Criterion for 450-500 ppm gravimetric sulfur standard				
Is 450-500 ppm Sulfur Accuracy Criterion Met?	PASSED			
Arithmetic Average (ppm):	150.56			
Vendor Name of Gravimetric Standard:	NIST			
Lot Identification Number of Gravimetric Standard:	AMD4567		Concentration QC Check on ARV	
Accepted Reference Value (ARV) of Gravimetric Standard (ppm):	151.00		OK	
Difference between Arithmetic Average and ARV of Gravimetric Standard:	0.435699999999969			
Laboratory Test Identification Number	Date	Time	Test Result (ppm)	Data Entry QC Check on Test Result
#####	1/13/2005	8:00 AM	150.003	OK
#####	1/13/2005	8:05 AM	150.030	OK
#####	1/13/2005	8:10 AM	150.100	OK
#####	1/13/2005	8:15 AM	149.650	OK
#####	1/13/2005	8:20 AM	148.500	OK
#####	1/13/2005	8:25 AM	150.000	OK

#####	1/13/2005	8:30 AM	150.100	OK
#####	1/13/2005	8:35 AM	151.910	OK
#####	1/13/2005	8:40 AM	152.130	OK
#####	1/13/2005	8:45am	153.220	OK