

BLACKROCK MUNIHOLDINGS QUALITY FUND, INC.

Form N-Q

March 28, 2019

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

**FORM N-Q**

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED**

**MANAGEMENT INVESTMENT COMPANY**

Investment Company Act file number: 811-08707

Name of Fund: BlackRock MuniHoldings Quality Fund, Inc. (MUS)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock MuniHoldings Quality Fund, Inc., 55 East 52<sup>nd</sup> Street, New York, NY 10055

Registrant's telephone number, including area code: (800) 882-0052, Option 4

Date of fiscal year end: 04/30/2019

Date of reporting period: 01/31/2019

Item 1 Schedule of Investments

Schedule of Investments (unaudited)

BlackRock MuniHoldings Quality Fund, Inc. (MUS)

January 31, 2019

(Percentages shown are based on Net Assets)

<i>Security</i>	<i>Par (000)</i>	<i>Value</i>
<b>Municipal Bonds 138.7%</b>		
<b>Alabama 1.7%</b>		
City of Birmingham Alabama Special Care Facilities Financing Authority, RB, Children s Hospital (AGC), 6.00%, 06/01/19 <sup>(a)</sup>	\$ 2,330	\$ 2,362,084
City of Selma Alabama IDB, RB, Gulf Opportunity Zone, International Paper Co. Project, Series A, 5.38%, 12/01/35	565	607,257
		2,969,341
<b>Arizona 0.9%</b>		
Salt Verde Financial Corp., RB, Senior, 5.00%, 12/01/37	1,410	1,638,053
<b>California 18.5%</b>		
California Health Facilities Financing Authority, RB, Sutter Health, Series B, 6.00%, 08/15/20 <sup>(a)</sup>	1,730	1,846,810
California Municipal Finance Authority, ARB, Senior Lien, Linxs APM Project, AMT, 5.00%, 12/31/43	800	872,656
Central Unified School District, GO, Election of 2008, Series A (AGC), 5.63%, 08/01/19 <sup>(a)</sup>	1,325	1,351,672
City & County of San Francisco California Airports Commission, Refunding ARB, AMT, Series A:		
2nd, 5.50%, 05/01/28	1,085	1,232,506
2nd, 5.25%, 05/01/33	850	949,297
5.00%, 05/01/44	1,090	1,192,743
City of San Jose California, Refunding ARB, Norman Y Mineta San Jose International Airport SJC, Series A-1, AMT:		
5.50%, 03/01/30	2,400	2,558,232
5.75%, 03/01/34	2,180	2,325,559
City of Sunnyvale California, Refunding RB, 5.25%, 04/01/20 <sup>(a)</sup>	1,605	1,674,400
County of Riverside Public Financing Authority, RB, Capital Facilities Project, 5.25%, 11/01/40	2,500	2,903,800
Kern Community College District, GO, Safety, Repair & Improvement, Series C, 5.50%, 11/01/33	1,420	1,646,504
Los Angeles Community College District California, GO, Election of 2008, Series C, 5.25%, 08/01/20 <sup>(a)</sup>	1,000	1,054,810
Redondo Beach Unified School District, GO, Election of 2008, Series E, 5.50%, 08/01/21 <sup>(a)</sup>	1,335	1,466,845
	<i>Par (000)</i>	<i>Value</i>
<i>Security</i>		
<b>California (continued)</b>		
Regents of the University of California Medical Center Pooled Revenue, Refunding RB, Series J:		
5.25%, 05/15/23 <sup>(a)</sup>	\$ 3,170	\$ 3,646,768

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5.25%, 05/15/38	900	1,005,273
State of California Public Works Board, LRB, Various Capital Projects, Series I:		
5.50%, 11/01/30	1,500	1,714,410
5.50%, 11/01/31	2,465	2,810,198
State of California Public Works Board, RB, Department of Corrections & Rehabilitation, Series F, 5.25%, 09/01/33	725	813,008
Township of Washington California Health Care District, GO, Election of 2004, Series B, 5.50%, 08/01/40	540	626,551
		31,692,042
<b>Colorado 2.3%</b>		
City & County of Denver Colorado Airport System, ARB, Series A, AMT:		
5.50%, 11/15/28	1,000	1,133,380
5.50%, 11/15/30	340	383,227
5.50%, 11/15/31	405	455,520
Colorado Health Facilities Authority, RB, Hospital, NCMC, Inc. Project, Series B (AGM), 6.00%, 05/15/19 <sup>(a)</sup>	1,900	1,923,180
		3,895,307
<b>Connecticut 1.0%</b>		
State of Connecticut, GO, Series A, 5.00%, 04/15/38	985	1,077,570
State of Connecticut Health & Educational Facility Authority, Refunding RB, Sacred Heart University Issue, Series I-1, 5.00%, 07/01/42	590	647,655
		1,725,225
<b>Delaware 0.5%</b>		
State of Delaware Health Facilities Authority, RB, Beebe Medical Center Project, 5.00%, 06/01/43	820	884,649
<b>Florida 18.2%</b>		
Central Florida Expressway Authority, Refunding RB, Senior Lien, 5.00%, 07/01/48	2,760	3,094,043
City of Jacksonville Florida, RB, 5.00%, 10/01/38	560	630,269
County of Broward Florida Airport System, ARB, Series A, AMT, 5.00%, 10/01/45	2,845	3,105,204

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Quality Fund, Inc. (MUS)

January 31, 2019

(Percentages shown are based on Net Assets)

<i>Security</i>	<i>Par (000)</i>	<i>Value</i>
<b>Florida (continued)</b>		
County of Hillsborough Florida Aviation Authority, Refunding ARB, Tampa International Airport, Series A, AMT, 5.50%, 10/01/29	\$ 1,735	\$ 1,963,291
County of Lee Florida, Refunding ARB, Series A, AMT, 5.38%, 10/01/32	1,500	1,602,435
County of Lee Florida HFA, RB, S/F Housing, Multi-County Program, Series A-2, AMT (Ginnie Mae, Fannie Mae & Freddie Mac), 6.00%, 09/01/40	90	90,638
County of Miami-Dade Florida, RB, Seaport Department: Series A, 5.38%, 10/01/33	1,015	1,135,419
Series A, 6.00%, 10/01/38	1,000	1,143,970
Series B, AMT, 6.25%, 10/01/38	460	528,402
Series B, AMT, 6.00%, 10/01/42	615	700,651
County of Miami-Dade Florida Aviation, Refunding ARB, Series A, AMT, 5.00%, 10/01/31	2,900	3,132,870
County of Miami-Dade Florida Educational Facilities Authority, RB, University of Miami, Series A, 5.00%, 04/01/40	3,465	3,782,255
County of Orange Florida School Board, COP, Series A (AGC), 5.50%, 08/01/19 <sup>(a)</sup>	4,645	4,733,348
Reedy Creek Florida Improvement District, GO, Series A, 5.25%, 06/01/32	1,040	1,172,444
Tohopekaliga Water Authority, Refunding RB, Series A, 5.25%, 10/01/21 <sup>(a)</sup>	3,995	4,358,745
		31,173,984
<b>Hawaii 1.5%</b>		
State of Hawaii Airports System, ARB, Series A, AMT, 5.00%, 07/01/45	1,500	1,648,890
State of Hawaii Airports System, COP, AMT: 5.25%, 08/01/25	425	474,938
5.25%, 08/01/26	460	511,566
		2,635,394
<b>Illinois 13.9%</b>		
City of Chicago Illinois Midway International Airport, Refunding GARB, 2nd Lien, Series A, AMT, 5.00%, 01/01/41	1,000	1,076,890
City of Chicago Illinois O Hare International Airport, GARB: 3rd Lien, Series A, 5.75%, 01/01/21 <sup>(a)</sup>	960	1,033,248
	<i>Par</i>	<i>Value</i>
<i>Security</i>	<i>(000)</i>	
<b>Illinois (continued)</b>		
3rd Lien, Series A, 5.75%, 01/01/39	\$ 185	\$ 196,167
3rd Lien, Series C, 6.50%, 01/01/21 <sup>(a)</sup>	5,225	5,695,929
Senior Lien, Series D, AMT, 5.00%, 01/01/42	430	465,557
City of Chicago Illinois Transit Authority, RB, Sales Tax Receipts: 5.25%, 12/01/36	1,000	1,056,570
5.25%, 12/01/40	1,790	1,881,361
City of Chicago Illinois Wastewater Transmission, RB, 2nd Lien, 5.00%, 01/01/42	2,050	2,144,669
County of Cook Illinois Community College District No. 508, GO, City College of Chicago:		

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5.50%, 12/01/38	1,250	1,303,037
5.25%, 12/01/43	1,505	1,550,075
Illinois Finance Authority, Refunding RB, Presence Health Network, Series C, 5.00%, 02/15/41	555	614,474
Railsplitter Tobacco Settlement Authority, RB <sup>(a)</sup> :		
5.50%, 06/01/21	1,405	1,523,484
6.00%, 06/01/21	400	438,268
State of Illinois, GO:		
5.25%, 02/01/31	875	916,790
5.25%, 02/01/32	1,355	1,415,365
5.50%, 07/01/33	2,000	2,110,140
5.50%, 07/01/38	425	443,530
		23,865,554
<b>Indiana 2.2%</b>		
Indianapolis Local Public Improvement Bond Bank, RB, Series F, 5.25%, 02/01/36	3,055	3,236,223

Schedule of Investments (unaudited) (continued)

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<i>Security</i>	<i>Par (000)</i>	<i>Value</i>
<b>Indiana (continued)</b>		
State of Indiana Finance Authority, RB, Private Activity Bond, Ohio River Bridges, Series A, AMT, 5.00%, 07/01/40	\$ 565	\$ 596,973
		3,833,196
<b>Iowa 0.7%</b>		
State of Iowa Finance Authority, RB, Lifespace Communities, Series A, 5.00%, 05/15/48	1,100	1,132,769
<b>Louisiana 1.7%</b>		
Lake Charles Louisiana Harbor & Terminal District, RB, Series B, AMT (AGM), 5.50%, 01/01/29	1,500	1,687,425
Tobacco Settlement Financing Corp., Refunding RB, Asset-Backed, Series A, 5.50%, 05/15/29	1,215	1,225,255
		2,912,680
<b>Maryland 5.9%</b>		
County of Howard Maryland Housing Commission, RB, M/F Housing, Woodfield Oxford Square Apartments, 5.00%, 12/01/42	1,430	1,568,810
Maryland Stadium Authority, RB, Construction and Revitalization Program: 5.00%, 05/01/47	4,895	5,490,771
5.00%, 05/01/34	2,700	3,130,542
		10,190,123
<b>Massachusetts 2.0%</b>		
Massachusetts Development Finance Agency, RB: Emerson College Issue, Series A, 5.00%, 01/01/47	245	262,491
Emerson College Issue, Series A, 5.25%, 01/01/42	545	595,025
UMass Dartmouth Student Housing Project, 5.00%, 10/01/43	1,325	1,409,455
Massachusetts Development Finance Agency, Refunding RB, Emerson College, Series A, 5.00%, 01/01/40	595	646,170
	<i>Par (000)</i>	<i>Value</i>
<b>Massachusetts (continued)</b>		
Massachusetts HFA, Refunding RB, Series C, AMT, 5.35%, 12/01/42	\$ 485	\$ 488,143
		3,401,284
<b>Michigan 0.3%</b>		
Michigan Strategic Fund, RB, I-75 Improvement Projects, AMT, 5.00%, 06/30/48	520	564,392
<b>Minnesota 0.3%</b>		

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County of St. Paul Minnesota Housing & Redevelopment Authority, Refunding RB, Fairview Health Services, Series A, 4.00%, 11/15/43	575	577,513
<b>Mississippi 3.6%</b>		
Mississippi Development Bank, RB, Jackson Water & Sewer System Project (AGM), 6.88%, 12/01/40	2,595	3,072,895
Mississippi State University Educational Building Corp., Refunding RB, Mississippi State University Improvement Project, 5.25%, 08/01/23 <sup>(a)</sup>	1,000	1,150,090
State of Mississippi, RB, Series A: 5.00%, 10/15/37	330	375,629
4.00%, 10/15/38	1,650	1,671,137
		6,269,751
<b>Montana 0.3%</b>		
Montana State Board of Housing, RB, S/F, Series B-2: 3.38%, 12/01/37	230	220,828
3.50%, 12/01/42	100	94,421
3.60%, 12/01/47	155	146,986
		462,235
<b>Nevada 5.0%</b>		
City of Carson City Nevada, Refunding RB, Carson Tahoe Regional Healthcare Project, 5.00%, 09/01/42	650	687,577
County of Clark Nevada, ARB, Las Vegas-McCarran International Airport, Series A (AGM), 5.25%, 07/01/39	1,410	1,446,505
County of Clark Nevada, GO, Stadium Improvement, Series A: 5.00%, 06/01/36	1,205	1,402,921
5.00%, 06/01/37	3,000	3,476,850



Schedule of Investments (unaudited) (continued)

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<i>Security</i>	<i>Par (000)</i>	<i>Value</i>
<b>Nevada (continued)</b>		
County of Clark Nevada Water Reclamation District, GO, Series A, 5.25%, 07/01/19 <sup>(a)</sup>	\$ 1,500	\$ 1,522,230
		8,536,083
<b>New Jersey 10.9%</b>		
New Jersey EDA, RB:		
Goethals Bridge Replacement Project, AMT, Private Activity Bond, 5.38%, 01/01/43	3,000	3,222,150
Private Activity Bond, Goethals Bridge Replacement Project, AMT (AGM), 5.00%, 01/01/31	790	857,458
State Government Buildings Project, Series A, 5.00%, 06/15/47	2,500	2,607,125
New Jersey Health Care Facilities Financing Authority, RB, Virtua Health, Series A (AGC), 5.50%, 07/01/38	2,100	2,130,807
New Jersey Housing & Mortgage Finance Agency, Refunding RB, S/F Housing, Series BB, AMT, 3.80%, 10/01/32	1,435	1,449,737
New Jersey Transportation Trust Fund Authority, RB: Transportation Program Bonds, Series S, 5.25%, 06/15/43	1,740	1,877,460
Transportation System, Series AA, 5.50%, 06/15/39	1,890	2,003,948
Transportation System, Series B, 5.25%, 06/15/36	1,000	1,042,330
New Jersey Transportation Trust Fund Authority, Refunding RB, Transportation System, Series A, 5.00%, 12/15/32	1,600	1,744,272
Tobacco Settlement Financing Corp., Refunding RB, Series A, 5.25%, 06/01/46	1,390	1,469,675
Tobacco Settlement Financing Corp. New Jersey, Refunding RB, Sub-Series B, 5.00%, 06/01/46	305	303,719
		18,708,681
<b>New York 5.9%</b>		
City of New York New York Municipal Water Finance Authority, Refunding RB, Water & Sewer System, 2nd General Resolution, Series EE, 5.38%, 06/15/43	1,305	1,386,145
	<i>Par (000)</i>	<i>Value</i>
<b>New York (continued)</b>		
City of New York New York Water & Sewer System, Refunding RB, 2nd General Resolution, Fiscal 2009, Series EE, 5.25%, 06/15/40	\$ 3,410	\$ 3,451,875
Hudson Yards Infrastructure Corp., RB, Senior, Fiscal 2012: 5.75%, 02/15/21 <sup>(a)</sup>	1,555	1,682,432
5.75%, 02/15/47	955	1,025,708
Port Authority of New York & New Jersey, Refunding ARB, Consolidated, 166th Series, 5.25%, 07/15/36	2,000	2,120,740
	535	552,992

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TSASC, Inc., Refunding RB, Series A,  
5.00%, 06/01/41

10,219,892

**Ohio 1.3%**

State of Ohio Turnpike Commission, RB, Junior Lien, Infrastructure Projects, Series A-1,  
5.25%, 02/15/31

2,000 2,226,680

**Oklahoma 0.5%**

Oklahoma Development Finance Authority, RB, Provident Oklahoma Education Resources,  
Inc., Cross Village Student Housing Project, Series A, 5.25%, 08/01/57

955 890,079

**Oregon 0.4%**

Oregon Health & Science University, RB, Series A, 5.00%, 07/01/42

600 674,814

**Pennsylvania 6.6%**

Altoona Area School District, GO, 5.00%, 12/01/36

110 123,627

County of Delaware Springfield School District, GO:

5.00%, 03/01/40

865 978,038

5.00%, 03/01/43

590 663,656

County of Montgomery Higher Education & Health Authority, Refunding RB, Thomas

Jeferson University, Series A, 5.00%, 09/01/48

980 1,078,588

County of Westmoreland Pennsylvania Municipal Authority, Refunding RB, (BAM), 5.00%,  
08/15/36

1,290 1,455,971

Pennsylvania Housing Finance Agency, RB, S/F, Series 125B, 3.65%, 10/01/42

1,000 981,290

Pennsylvania Turnpike Commission, Refunding RB, 2nd Series, Subordinate, Special Motor  
License Fund, 5.00%, 12/01/41

1,250 1,384,237

Schedule of Investments (unaudited) (continued)

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January 31, 2019

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<i>Security</i>	<i>Par (000)</i>	<i>Value</i>
<b>Pennsylvania (continued)</b>		
Pennsylvania Turnpike Commission, RB, Sub-Series B-1, 5.25%, 06/01/47	\$ 1,170	\$ 1,290,920
Swarthmore Borough Authority, RB, Swarthmore College, 5.00%, 09/15/48	1,900	2,203,221
Township of Bristol Pennsylvania School District, GO, 5.25%, 06/01/37	1,000	1,105,550
		11,265,098
<b>South Carolina 5.7%</b>		
County of Charleston South Carolina, RB, Special Source, 5.25%, 12/01/38	2,180	2,463,531
County of Charleston South Carolina Airport District, ARB, Series A, AMT: 5.50%, 07/01/38	1,000	1,112,970
6.00%, 07/01/38	1,695	1,928,978
5.50%, 07/01/41	1,000	1,110,340
State of South Carolina Jobs EDA, Refunding RB, Prisma Health Obligated Group, Series A, 5.00%, 05/01/43	800	872,224
State of South Carolina Ports Authority, RB, AMT, 5.25%, 07/01/50	1,095	1,189,706
State of South Carolina Public Service Authority, RB, Series E, 5.50%, 12/01/53	1,000	1,066,520
		9,744,269
<b>Tennessee 1.6%</b>		
Metropolitan Nashville Airport Authority, ARB, Series B, AMT, 5.00%, 07/01/40	2,500	2,730,025
<b>Texas 12.1%</b>		
City of Beaumont Texas, GO, Certificates of Obligation, 5.25%, 03/01/37	1,360	1,511,259
City of Houston Texas Airport System Revenue, Refunding RB, Sub-Series D, 5.00%, 07/01/37	1,175	1,351,802
City of Houston Texas Combined Utility System, Refunding RB, Combined 1st Lien, Series A (AGC) <sup>(a)</sup> :		
6.00%, 05/15/19	3,790	3,836,011
6.00%, 05/15/19	210	212,581
County of Tarrant Texas Cultural Education Facilities Finance Corp., RB, Christus Health, Series B, 5.00%, 07/01/35	1,500	1,699,065
Dallas-Fort Worth Texas International Airport, ARB, Joint Improvement, AMT: Series A, 5.00%, 11/01/38	2,965	3,083,215
Series H, 5.00%, 11/01/37	2,200	2,323,200
Lower Colorado River Authority, Refunding RB, 5.50%, 05/15/33	1,240	1,401,374
	<i>Par (000)</i>	<i>Value</i>
<b>Texas (continued)</b>		
North Texas Tollway Authority, RB, Special Projects, Series A, 5.50%, 09/01/21 <sup>(a)</sup>	\$ 3,150	\$ 3,443,611
North Texas Tollway Authority, Refunding RB, 1st Tier, Series A, 5.00%, 01/01/48	1,060	1,185,059
	620	689,601

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Red River Texas Education Financing Corp., RB, Texas Christian University Project,  
5.25%, 03/15/38

20,736,778

**Vermont 1.0%**

University of Vermont & State Agricultural College, Refunding RB, 5.00%, 10/01/43

1,470 1,653,280

**Virginia 1.8%**

City of Lexington Virginia IDA, RB, Washington & Lee University, 5.00%, 01/01/43

570 615,047

Virginia Small Business Financing Authority, RB, Transform 66 P3 Project, AMT, 5.00%,  
12/31/49

2,330 2,494,848

3,109,895

**Washington 9.4%**

City of Seattle Washington Municipal Light & Power, Refunding RB, Series A, 5.25%,  
02/01/21<sup>(a)</sup>

1,375 1,471,030

Port of Seattle Washington, ARB, AMT:

Intermediate Lien, Series C, 5.00%, 05/01/37

1,450 1,619,882

Series A, 5.00%, 05/01/43

385 423,989

State of Washington, COP, Series B:

5.00%, 07/01/36

1,000 1,161,970

5.00%, 07/01/37

3,910 4,522,501

5.00%, 07/01/38

650 747,806

State of Washington, GO:

Series C, 5.00%, 02/01/36

4,300 5,002,835

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<b>Washington (continued)</b>		
Various Purposes, Series B, 5.25%, 02/01/21 <sup>(a)</sup>	\$ 1,075	\$ 1,150,078
		16,100,091
<b>Wisconsin 0.8%</b>		
Wisconsin Health & Educational Facilities Authority, Refunding RB, Milwaukee Regional Medical Center Thermal Service, 5.00%, 04/01/44	1,205	1,355,143
<b>Wyoming 0.2%</b>		
State of Wyoming Municipal Power Agency, Inc., Refunding RB, Series A (BAM), 5.00%, 01/01/42	330	366,577
<b>Total Municipal Bonds 138.7%</b> <b>(Cost \$228,472,635)</b>		238,140,877
<b>Municipal Bonds Transferred to Tender Option Bond Trusts<sup>(b)</sup></b>		
<b>California 2.9%</b>		
Sacramento Area Flood Control Agency, Refunding, Consolidated Capital Assessment District No. 2 Bonds, 5.00%, 10/01/47	4,500	5,049,263
<b>Colorado 1.3%</b>		
City & County of Denver Colorado Airport System Revenue, Refunding ARB, Sub-System, Series A, AMT, 5.25%, 12/01/43 <sup>(c)</sup>	1,901	2,171,836
<b>Connecticut 1.1%</b>		
State of Connecticut Health & Educational Facility Authority, Refunding RB, Trinity Health Credit Group, 5.00%, 12/01/45	1,771	1,944,573
<b>Illinois 0.3%</b>		
City of Chicago Illinois Waterworks, Refunding RB, 2017 2nd Lien, Water Revenue Project (AGM), 5.25%, 11/01/33	480	480,231
<b>Maryland 1.0%</b>		
City of Baltimore Maryland, RB, Wastewater Project, Series A, 5.00%, 07/01/46	1,499	1,676,337
	<i>Par (000)</i>	<i>Value</i>
<b>Security</b>		
<b>Michigan 2.0%</b>		
State of Michigan Building Authority, Refunding RB, Facilities Program, Series I, 5.00%,	\$ 3,020	\$ 3,417,009

10/15/45

**Nevada 2.2%**

County of Clark Nevada Water Reclamation District, GO, Series B, 5.50%, 07/01/19 <sup>(a)</sup>	3,749	3,808,166
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**New Jersey 1.1%**

New Jersey Housing & Mortgage Finance Agency, RB, S/F Housing, Series CC, 5.25%, 10/01/29	1,801	1,806,824
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**New York 4.6%**

New York Liberty Development Corp., ARB, 1 World Trade Center Port Authority Consolidated Bonds, 5.25%, 12/15/43	4,530	4,917,611
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New York Liberty Development Corp., Refunding RB, 4 World Trade Center Project, 5.75%, 11/15/51 <sup>(c)</sup>	2,660	2,910,557
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7,828,168

**Pennsylvania 4.5%**

Commonwealth of Pennsylvania, GO, 1st Series, 4.00%, 03/01/38 <sup>(c)</sup>	3,650	3,775,268
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County of Northampton General Purpose Authority, Refunding RB, Lafayette College, 4.00%, 11/01/38 <sup>(c)</sup>	2,596	2,677,645
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County of Westmoreland Pennsylvania Municipal Authority, Refunding RB, (BAM), 5.00%, 08/15/38	1,184	1,320,251
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7,773,164

**Utah 0.6%**

City of Riverton Utah, RB, IHC Health Services, Inc., 5.00%, 08/15/19 <sup>(a)</sup>	1,005	1,022,556
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Schedule of Investments (unaudited) (continued)

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<i>Security</i>	<i>Par (000)</i>	<i>Value</i>
<b>Virginia 1.5%</b>		
County of Fairfax Virginia EDA, RB, Metrorail Parking System Project, 5.00%, 04/01/47 <sup>(c)</sup>	\$ 2,320	\$ 2,617,215
<b>Total Municipal Bonds Transferred to Tender Option Bond Trusts 23.1%</b>		
<b>(Cost \$38,609,079)</b>		39,595,342
		<i>Value</i>
<b>Total Investments 161.8%</b>		
<b>(Cost \$267,081,714)</b>		\$ 277,736,219
<b>Other Assets Less Liabilities 1.5%</b>		2,509,430
<b>Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable (12.6)%</b>		(21,634,487)
<b>VMTP Shares, at Liquidation Value, (50.7)%</b>		(87,000,000)
<b>Net Assets Applicable to Common Shares 100.0%</b>		\$ 171,611,162

(a) U.S. Government securities, held in escrow, are used to pay interest on this security, as well as to retire the bond in full at the date indicated, typically at a premium to par.

(b) Represent bonds transferred to a TOB Trust in exchange of cash and residual certificates received by the Fund. These bonds serve as collateral in a secured borrowing.

(c) All or a portion of security is subject to a recourse agreement. The aggregate maximum potential amount the Fund could ultimately be required to pay under the agreements which expire between November 15, 2019 to November 01, 2026 is \$7,322,892.

During the period ended January 31, 2019, investments in issuers considered to be an affiliate of the Fund for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

<i>Affiliate</i>	<i>Shares Held at 4/30/18</i>	<i>Net Activity</i>	<i>Shares Held at 01/31/19</i>	<i>Value at 01/31/19</i>	<i>Income &amp; Gain</i>	<i>Net Unrealized Realized Appreciation (Loss) &amp; Depreciation</i>	<i>Change in Net Unrealized Appreciation (Loss) &amp; Depreciation</i>
BlackRock Liquidity Funds, MuniCash, Institutional Class	2,822,221	(2,822,221)		\$	\$ 34,130	\$ 2,844	\$

(a) Includes net capital gain distributions, if applicable.





Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Quality Fund, Inc. (MUS)

January 31, 2019

**Derivative Financial Instruments Outstanding as of Period End****Futures Contracts**

<i>Description</i>	<i>Number of Contracts</i>	<i>Expiration Date</i>	<i>Notional Amount (000)</i>	<i>Value/ Unrealized Appreciation (Depreciation)</i>
<b>Short Contracts:</b>				
10-Year U.S. Treasury Note	38	03/20/19	\$ 4,654	\$ (104,444)
Long U.S. Treasury Bond	70	03/20/19	10,268	(450,122)
5-Year U.S. Treasury Note	23	03/29/19	2,642	(46,475)
				\$ (601,041)

**Portfolio Abbreviations**

AGC	Assured Guarantee Corp.
AGM	Assured Guaranty Municipal Corp.
AMT	Alternative Minimum Tax (subject to)
ARB	Airport Revenue Bonds
BAM	Build America Mutual Assurance Co.
COP	Certificates of Participation
EDA	Economic Development Authority
GARB	General Airport Revenue Bonds
GO	General Obligation Bonds
HFA	Housing Finance Agency
IDA	Industrial Development Authority
IDB	Industrial Development Board
LRB	Lease Revenue Bonds

M/F Multi-Family

RB Revenue Bonds

S/F Single-Family

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January 31, 2019

**Fair Value Hierarchy as of Period End**

Various inputs are used in determining the fair value of investments and derivative financial instruments. These inputs to valuation techniques are categorized into a fair value hierarchy consisting of three broad levels for financial reporting purposes as follows:

Level 1 Unadjusted price quotations in active markets/exchanges for identical assets or liabilities that Fund has the ability to access

Level 2 Other observable inputs (including, but not limited to, quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 Unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments and derivative financial instruments)

The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). Accordingly, the degree of judgment exercised in determining fair value is greatest for instruments categorized in Level 3. The inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, for disclosure purposes, the fair value hierarchy classification is determined based on the lowest level input that is significant to the fair value measurement in its entirety. Investments classified within Level 3 have significant unobservable inputs used by the BlackRock Global Valuation Methodologies Committee (the Global Valuation Committee) in determining the price for Fair Valued Investments. Level 3 investments include equity or debt issued by privately held companies or funds. There may not be a secondary market, and/or there are a limited number of investors. Level 3 investments may also be adjusted to reflect illiquidity and/or non-transferability, with the amount of such discount estimated by the Global Valuation Committee in the absence of market information

Changes in valuation techniques may result in transfers into or out of an assigned level within the hierarchy. In accordance with the Fund's policy, transfers between different levels of the fair value hierarchy are deemed to have occurred as of the beginning of the reporting period. The categorization of a value determined for investments and derivative financial instruments is based on the pricing transparency of the investments and derivative financial instruments and is not necessarily an indication of the risks associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and derivative financial instruments, refer to the Fund's most recent financial statements as contained in its semi-annual report.

The following tables summarize the Fund's investments and derivative financial instruments categorized in the disclosure hierarchy:

	<i>Level 1</i>	<i>Level 2</i>	<i>Level 3</i>	<i>Total</i>
Assets:				
Investments:				
Long-Term Investments <sup>(a)</sup>	\$	\$ 277,736,219	\$	\$ 277,736,219
Derivative Financial Instruments <sup>(b)</sup>				
Liabilities:				
Interest rate contracts	\$ (601,041)	\$	\$	\$ (601,041)

<sup>(a)</sup> See above Schedule of Investments for values in each state or political subdivision.

<sup>(b)</sup> Derivative financial instruments are futures contracts which are valued at the unrealized appreciation (depreciation) on the instrument.

Schedule of Investments (unaudited) (continued)

**BlackRock MuniHoldings Quality Fund, Inc. (MUS)**

January 31, 2019

The Fund may hold assets and/or liabilities in which the fair value approximates the carrying amount for financial reporting purposes. As of period end, such assets and/or liabilities are categorized within the disclosure hierarchy as follows:

	<i>Level 1</i>	<i>Level 2</i>	<i>Level 3</i>	<i>Total</i>
Liabilities:				
TOB Trust Certificates	\$	\$ (21,554,640)	\$	\$ (21,554,640)
VMTP Shares at Liquidation Value		(87,000,000)		(87,000,000)
	\$	\$ (108,554,640)	\$	\$ (108,554,640)

During the period ended January 31, 2019, there were no transfers between levels.

Item 2 Controls and Procedures

- 2(a) The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act")) are effective as of a date within 90 days of the filing of this report based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rule 13a-15(b) under the Securities Exchange Act of 1934, as amended.
- 2(b) There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act) that occurred during the registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3 Exhibits

Certifications Attached hereto

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

BlackRock MuniHoldings Quality Fund, Inc.

By: /s/ John M. Perlowski  
John M. Perlowski  
Chief Executive Officer (principal executive officer) of  
BlackRock MuniHoldings Quality Fund, Inc.

Date: March 22, 2019

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By: /s/ John M. Perlowski  
John M. Perlowski  
Chief Executive Officer (principal executive officer) of  
BlackRock MuniHoldings Quality Fund, Inc.

Date: March 22, 2019

By: /s/ Neal J. Andrews  
Neal J. Andrews  
Chief Financial Officer (principal financial officer) of  
BlackRock MuniHoldings Quality Fund, Inc.

Date: March 22, 2019