

BLACKROCK MUNIHOLDINGS 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: 811-08081

Name of Fund: BlackRock MuniHoldings Fund, Inc. (MHD)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock MuniHoldings Fund, Inc., 55 East 52nd 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 Fund, Inc. (MHD)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Municipal Bonds 118.3% | | |
| Alabama 2.1% | | |
| County of Jefferson Alabama Sewer, Refunding RB: | | |
| Senior Lien, Series A (AGM), 5.00%, 10/01/44 | \$ 570 | \$ 617,155 |
| Senior Lien, Series A (AGM), 5.25%, 10/01/48 | 1,090 | 1,191,316 |
| Sub-Lien, Series D, 6.00%, 10/01/42 | 1,000 | 1,142,020 |
| Sub-Lien, Series D, 7.00%, 10/01/51 | 1,545 | 1,841,949 |
| | | 4,792,440 |
| Arizona 2.8% | | |
| City of Phoenix Arizona IDA, RB, Legacy Traditional Schools Projects, Series A, 5.00%, 07/01/46 ^(a) | 1,230 | 1,240,553 |
| Salt Verde Financial Corp., RB, Senior: 5.00%, 12/01/32 | 2,000 | 2,340,880 |
| 5.00%, 12/01/37 | 2,360 | 2,741,707 |
| | | 6,323,140 |
| California 11.7% | | |
| California Health Facilities Financing Authority, RB: | | |
| St. Joseph Health System, Series A, 5.75%, 07/01/39 | 1,530 | 1,555,643 |
| Sutter Health, Series B, 6.00%, 08/15/20 ^(b) | 2,200 | 2,348,544 |
| California Health Facilities Financing Authority, Refunding RB, St. Joseph Health System, Series A, 5.00%, 07/01/33 | 875 | 973,875 |
| California Municipal Finance Authority, RB, Senior, Caritas Affordable Housing, Inc. Projects, S/F Housing, Series A: 5.25%, 08/15/39 | 105 | 113,562 |
| 5.25%, 08/15/49 | 265 | 284,960 |
| California Municipal Finance Authority, Refunding RB, Community Medical Centers, Series A, 5.00%, 02/01/42 | 165 | 180,200 |
| California Pollution Control Financing Authority, RB, Poseidon Resources (Channel Side) LP Desalination Project, AMT, 5.00%, 11/21/45 ^(a) | 1,025 | 1,065,600 |
| California Statewide Communities Development Authority, RB, Series A: John Muir Health, 5.13%, 07/01/19 ^(b) | 1,510 | 1,531,925 |
| Loma Linda University Medical Center, 5.00%, 12/01/46 ^(a) | 330 | 343,943 |
| | <i>Par (000)</i> | <i>Value</i> |
| <i>Security</i> | | |
| California (continued) | | |
| City of Los Angeles California Department of Airports, Refunding ARB, Los Angeles International Airport, Series A, 5.25%, 05/15/39 | \$ 555 | \$ 560,489 |
| City of Stockton California Public Financing Authority, RB, Delta Water Supply Project, Series A, 6.25%, 10/01/38 | 255 | 300,604 |
| Golden State Tobacco Securitization Corp., Refunding RB, Series A-1: | | |

Edgar Filing: BLACKROCK MUNIHOLDINGS FUND, INC. - Form N-Q

| | | |
|---|-------|------------|
| 5.00%, 06/01/47 | 1,220 | 1,152,558 |
| 5.25%, 06/01/47 | 730 | 718,269 |
| Montebello Unified School District, GO, CAB (NPFGC), 0.00%, 08/01/22 ^(c) | 2,405 | 2,218,131 |
| San Diego Unified School District California, GO, CAB, Election of 2008, Series A, 0.00%, 07/01/29 ^(c) | 3,475 | 2,596,416 |
| State of California, GO, Various Purposes: | | |
| 6.50%, 04/01/19 ^(b) | 4,535 | 4,571,325 |
| 6.50%, 04/01/33 | 3,835 | 3,863,762 |
| State of California Public Works Board, LRB, Various Capital Projects: | | |
| Series I, 5.00%, 11/01/38 | 550 | 605,413 |
| Sub-Series I-1, 6.38%, 11/01/19 ^(b) | 820 | 849,471 |
| Tobacco Securitization Authority of Southern California, Refunding RB, Tobacco Settlement, Asset-Backed, Senior Series A-1, 4.75%, 06/01/25 | 890 | 890,000 |
| | | 26,724,690 |
| Colorado 2.8% | | |
| Arapahoe County School District No. 6 Littleton, GO, Series A, 5.50%, 12/01/43 | 1,260 | 1,527,473 |
| Colorado Educational & Cultural Facilities Authority, RB, Charter School, Colorado Springs, 5.50%, 07/01/40 | 1,455 | 1,487,956 |
| Regional Transportation District, COP, Refunding, Series A, 5.38%, 06/01/31 | 710 | 740,495 |
| Regional Transportation District, RB, Denver Transit Partners Eagle P3 Project, 6.00%, 01/15/34 | 1,425 | 1,439,335 |
| University of Colorado, RB, Series A, 5.38%, 06/01/19 ^(b) | 1,250 | 1,265,112 |
| | | 6,460,371 |
| Delaware 1.9% | | |
| County of Sussex Delaware, RB, NRG Energy, Inc., Indian River Power LLC Project, 6.00%, 10/01/40 | 790 | 833,039 |

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Delaware (continued) | | |
| Delaware Transportation Authority, RB, U.S. 301 Project, 5.00%, 06/01/55 | \$ 840 | \$ 918,481 |
| State of Delaware EDA, RB, Exempt Facilities, Indian River Power LLC Project, 5.38%, 10/01/45 | 2,430 | 2,510,215 |
| | | 4,261,735 |
| District of Columbia 6.5% | | |
| District of Columbia, Refunding RB: | | |
| Georgetown University, 5.00%, 04/01/35 | 315 | 358,813 |
| Georgetown University Issue, 5.00%, 04/01/27 ^(b) | 105 | 127,193 |
| Georgetown University Issue, 5.00%, 04/01/42 | 260 | 289,999 |
| The Catholic University of America Issue, 5.00%, 10/01/48 | 1,695 | 1,866,703 |
| District of Columbia, Tax Allocation Bonds, City Market at O Street Project, 5.13%, 06/01/41 | 1,520 | 1,610,227 |
| Metropolitan Washington Airports Authority, Refunding ARB: | | |
| Dulles Metrorail And Capital Improvement Projects, Series A, 5.00%, 10/01/53 | 1,475 | 1,523,144 |
| Dulles Toll Road, CAB, 2nd Senior Lien, Series B (AGC), 0.00%, 10/01/35 ^(c) | 13,485 | 7,074,636 |
| Metropolitan Washington Airports Authority, Refunding RB, Dulles Toll Road, 1st Senior Lien, Series A: 5.00%, 10/01/39 | 505 | 513,843 |
| 5.25%, 10/01/44 | 1,470 | 1,495,593 |
| | | 14,860,151 |
| Florida 4.4% | | |
| City of Clearwater Florida Water & Sewer Revenue, RB, Series A, 5.25%, 12/01/19 ^(b) | 2,375 | 2,444,920 |
| County of Collier Florida Health Facilities Authority, Refunding RB, Series A, 5.00%, 05/01/45 | 960 | 1,016,851 |
| County of Miami-Dade Florida Aviation, Refunding ARB, Miami International Airport, Series A-1, 5.38%, 10/01/20 ^(b) | 2,620 | 2,778,065 |
| Mid-Bay Florida Bridge Authority, RB, Springing Lien, Series A, 7.25%, 10/01/21 ^(b) | 2,095 | 2,388,237 |
| | <i>Par</i> | |
| | <i>(000)</i> | <i>Value</i> |
| Florida (continued) | | |
| Village Community Development District No.10, Special Assessment Bonds, 5.13%, 05/01/43 | \$ 1,400 | \$ 1,505,546 |
| | | 10,133,619 |
| Georgia 1.6% | | |
| County of Dalton Whitfield Joint Development Authority, RB, Hamilton Health Care System Obligation, 4.00%, 08/15/48 | 2,615 | 2,668,686 |
| | 370 | 419,806 |

Edgar Filing: BLACKROCK MUNIHOLDINGS FUND, INC. - Form N-Q

| | | |
|---|-------|-----------|
| County of Gainesville Georgia & Hall Hospital Authority, Refunding RB, Northeast Georgia Health System, Inc. Project, Series A (GTD), 5.50%, 08/15/54 | | |
| DeKalb Georgia Private Hospital Authority, Refunding RB, Children's Healthcare, 5.25%, 11/15/39 | 585 | 598,940 |
| | | 3,687,432 |
| Hawaii 0.4% | | |
| State of Hawaii Harbor System, RB, Series A, 5.25%, 07/01/30 | 945 | 988,366 |
| Idaho 0.3% | | |
| Idaho Health Facilities Authority, RB, Trinity Health Credit Group, Series A, 5.00%, 12/01/46 | 540 | 597,213 |
| Illinois 15.7% | | |
| Chicago Board of Education, GO, Series D: | | |
| Series H, 5.00%, 12/01/36 | 350 | 359,272 |
| Project, 5.25%, 12/01/35 | 1,075 | 1,110,282 |
| Chicago Board of Education, GO, Refunding, Dedicated Revenues: | | |
| , 5.00%, 12/01/30 | 605 | 635,795 |
| Series F, 5.00%, 12/01/22 | 455 | 474,242 |
| Series G, 5.00%, 12/01/34 | 315 | 325,650 |
| Chicago Board of Education, GO, Series C: | | |
| 5.00%, 12/01/46 | 390 | 392,379 |
| 5.00%, 12/01/46 | 1,015 | 1,018,380 |
| Refunding, 5.00%, 12/01/27 | 500 | 528,460 |
| City of Chicago Illinois, Special Assessment Bonds, Lake Shore East Project, 6.75%, 12/01/32 | 876 | 880,687 |
| City of Chicago Illinois O'Hare International Airport, GARB, 3rd Lien: | | |
| Series A, 5.75%, 01/01/21 ^(b) | 1,680 | 1,808,184 |
| Series A, 5.75%, 01/01/39 | 320 | 339,315 |
| Series C, 6.50%, 01/01/21 ^(b) | 4,055 | 4,420,477 |

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Illinois (continued) | | |
| City of Chicago Illinois Transit Authority, RB, Sales Tax Receipts, 5.25%, 12/01/40 | \$ 730 | \$ 767,259 |
| City of Chicago Illinois Waterworks, Refunding RB, 2nd Lien Project, 5.00%, 11/01/42 | 1,000 | 1,059,330 |
| County of Cook Illinois Community College District No. 508, GO, City College of Chicago, 5.50%, 12/01/38 | 560 | 583,761 |
| Illinois Finance Authority, Refunding RB, Central Dupage Health, Series B, 5.50%, 11/01/19 ^(b) | 1,115 | 1,145,807 |
| Metropolitan Pier & Exposition Authority, Refunding RB, McCormick Place Expansion Project: | | |
| CAB, Series B (AGM), 0.00%, 06/15/47 ^(c) | 13,220 | 3,619,107 |
| Series B (AGM), 5.00%, 06/15/50 | 3,070 | 3,141,807 |
| Series B-2, 5.00%, 06/15/50 | 1,850 | 1,854,718 |
| Railsplitter Tobacco Settlement Authority, RB ^(b) : | | |
| 5.50%, 06/01/21 | 315 | 341,564 |
| 6.00%, 06/01/21 | 800 | 876,536 |
| State of Illinois, GO: | | |
| 5.00%, 02/01/39 | 1,100 | 1,117,952 |
| Series A, 5.00%, 04/01/38 | 2,625 | 2,665,162 |
| State of Illinois, RB, Build Illinois, Series B, 5.25%, 06/15/19 ^(b) | 440 | 445,680 |
| State of Illinois, GO, Refunding Series B, 5.00%, 10/01/29 | 930 | 1,003,079 |
| State of Illinois Toll Highway Authority, RB, Series C: | | |
| Senior, 5.00%, 01/01/36 | 1,870 | 2,095,803 |
| 5.00%, 01/01/37 | 2,000 | 2,236,860 |
| University of Illinois, RB, Auxiliary Facilities System, Series A, 5.00%, 04/01/44 | 705 | 768,612 |
| | | 36,016,160 |
| Indiana 4.0% | | |
| City of Valparaiso Indiana, RB, Exempt Facilities, Pratt Paper LLC Project, AMT: | | |
| 6.75%, 01/01/34 | 560 | 638,691 |
| 7.00%, 01/01/44 | 1,355 | 1,552,654 |
| Indiana Finance Authority, RB, Series A: | | |
| CWA Authority Project, 1st Lien, 5.25%, 10/01/38 | 2,275 | 2,455,589 |
| Private Activity Bond, Ohio River Bridges East End Crossing Project, AMT, 5.00%, 07/01/44 | 310 | 326,501 |
| | <i>Par (000)</i> | <i>Value</i> |
| Indiana (continued) | | |
| Private Activity Bond, Ohio River Bridges East End Crossing Project, AMT, 5.00%, 07/01/48 | \$ 1,030 | \$ 1,082,087 |
| Private Activity Bond, Ohio River Bridges East End Crossing Project, AMT, 5.25%, 01/01/51 | 290 | 307,255 |
| Sisters of St. Francis Health Services, 5.25%, 11/01/19 ^(b) | 585 | 600,093 |
| Indiana Finance Authority, Refunding RB, Parkview Health System, Series A: | | |
| 5.75%, 05/01/19 ^(b) | 1,075 | 1,085,385 |

Edgar Filing: BLACKROCK MUNIHOLDINGS FUND, INC. - Form N-Q

| | | |
|---|-------|-----------|
| 5.75%, 05/01/31 | 225 | 227,203 |
| Indianapolis Local Public Improvement Bond Bank, RB, Series A, 5.00%, 01/15/40 | 880 | 970,552 |
| | | 9,246,010 |
| Iowa 1.7% | | |
| Iowa Finance Authority, Refunding RB, Iowa Fertilizer Co. Project: Series B, 5.25%, 12/01/50 ^(d) | 1,955 | 2,079,690 |
| Midwestern Disaster Area, 5.50%, 12/01/22 | 5 | 5,005 |
| Midwestern Disaster Area, 5.25%, 12/01/25 | 320 | 339,104 |
| Midwestern Disaster Area, 5.88%, 12/01/26 ^(a) | 285 | 299,475 |
| Iowa Student Loan Liquidity Corp., Refunding RB, Student Loan, Senior Series A-1, AMT, 5.15%, 12/01/22 | 280 | 290,853 |
| Iowa Tobacco Settlement Authority, Refunding RB, Asset-Backed, Series C, 5.63%, 06/01/46 | 980 | 967,122 |
| | | 3,981,249 |
| Kansas 0.7% | | |
| Kansas Development Finance Authority, Refunding RB, Adventist Health System/Sunbelt Obligated Group, Series C ^(b) : | | |
| 5.75%, 11/15/19 | 35 | 36,043 |
| 5.75%, 11/15/19 | 1,485 | 1,531,629 |
| | | 1,567,672 |
| Kentucky 0.7% | | |
| Kentucky Economic Development Finance Authority, RB, Catholic Health Initiatives, Series A, 5.25%, 01/01/45 | 705 | 746,771 |

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Kentucky (continued) | | |
| Kentucky Public Transportation Infrastructure Authority, RB, Downtown Crossing Project, Convertible CAB, 1st Tier, Series C, 0.00%, 07/01/43 ^(e) | \$ 865 | \$ 835,824 |
| | | 1,582,595 |
| Louisiana 1.7% | | |
| New Orleans Aviation Board, RB, Passenger Facility Charge, Series A, 5.25%, 01/01/41 | 430 | 441,447 |
| Tobacco Settlement Financing Corp., Refunding RB, Asset-Backed, Series A: | | |
| 5.50%, 05/15/30 | 700 | 722,680 |
| 5.25%, 05/15/31 | 600 | 630,060 |
| 5.25%, 05/15/32 | 765 | 813,922 |
| 5.25%, 05/15/33 | 830 | 877,509 |
| 5.25%, 05/15/35 | 350 | 371,560 |
| | | 3,857,178 |
| Maine 0.1% | | |
| Maine Health & Higher Educational Facilities Authority, RB, Series A: | | |
| 5.00%, 07/01/19 ^(b) | 65 | 65,870 |
| 5.00%, 07/01/39 | 145 | 146,495 |
| | | 212,365 |
| Maryland 1.2% | | |
| Maryland EDC, RB, Transportation Facilities Project, Series A, 5.75%, 06/01/20 ^(b) | 300 | 315,966 |
| Maryland EDC, Refunding RB, CNX Marine Terminals, Inc., 5.75%, 09/01/25 | 530 | 545,556 |
| Maryland Health & Higher Educational Facilities Authority, RB, Trinity Health Credit Group, Series 2017, 5.00%, 12/01/46 | 305 | 342,698 |
| | <i>Par (000)</i> | <i>Value</i> |
| Maryland (continued) | | |
| Maryland Health & Higher Educational Facilities Authority, Refunding RB, Charlestown Community Project, 6.25%, 01/01/21 ^(b) | \$ 1,520 | \$ 1,645,704 |
| | | 2,849,924 |
| Massachusetts 0.6% | | |
| Massachusetts Development Finance Agency, Refunding RB, Boston University, Series P, 5.45%, 05/15/59 | 1,165 | 1,369,026 |
| Michigan 3.5% | | |
| City of Detroit Michigan Sewage Disposal System, Refunding RB, Senior Lien, Series A, 5.25%, 07/01/39 | 3,085 | 3,323,779 |
| Kalamazoo Hospital Finance Authority, Refunding RB, Bronson Methodist Hospital: 5.50%, 05/15/20 ^(b) | 530 | 554,560 |

Edgar Filing: BLACKROCK MUNIHOLDINGS FUND, INC. - Form N-Q

| | | |
|--|-------|-----------|
| 5.50%, 05/15/36 | 425 | 441,227 |
| Michigan Finance Authority, Refunding RB, Detroit Water & Sewage Department Project, Senior Lien, Series C-1, 5.00%, 07/01/44 | 630 | 671,649 |
| Michigan State Hospital Finance Authority, Refunding RB, Henry Ford Health System, 5.75%, 11/15/19 ^(b) | 2,105 | 2,170,255 |
| Michigan Strategic Fund, RB, I-75 Improvement Projects, AMT, 5.00%, 06/30/48 | 785 | 852,016 |
| | | 8,013,486 |
| Minnesota 1.0% | | |
| Duluth Economic Development Authority, Refunding RB, Essentia Health Obligated Group, Series A: | | |
| 4.25%, 02/15/48 | 750 | 753,345 |
| 5.25%, 02/15/53 | 1,500 | 1,662,510 |
| | | 2,415,855 |
| Mississippi 0.3% | | |
| University of Southern Mississippi, RB, Campus Facilities Improvements Project, 5.38%, 09/01/19 ^(b) | 675 | 689,479 |
| Missouri 0.2% | | |
| Bi-State Development Agency of the Missouri-Illinois Metropolitan District, Refunding RB, Combined Lien, Series A, 5.00%, 10/01/44 | 175 | 192,321 |

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------|
| Missouri (continued) | | |
| State of Missouri Health & Educational Facilities Authority, Refunding RB, St. Louis College of Pharmacy Project, 5.50%, 05/01/43 | \$ 175 | \$ 185,698 |
| | | 378,019 |
| Nebraska 0.3% | | |
| Central Plains Nebraska Energy Project, RB, Gas Project No. 3, 5.25%, 09/01/37 | 575 | 621,983 |
| New Hampshire 2.1% | | |
| New Hampshire Business Finance Authority, Refunding RB, Resource Recovery, Covanta Project ^(a) : | | |
| Series B, 4.63%, 11/01/42 | 1,105 | 1,061,054 |
| Series C, AMT, 4.88%, 11/01/42 | 575 | 564,247 |
| New Hampshire Health & Education Facilities Authority, Refunding RB, Dartmouth-Hitchcock, 6.00%, 08/01/19 ^(b) | 3,035 | 3,098,614 |
| | | 4,723,915 |
| New Jersey 9.2% | | |
| Casino Reinvestment Development Authority, Refunding RB: | | |
| 5.25%, 11/01/39 | 735 | 782,055 |
| 5.25%, 11/01/44 | 1,095 | 1,163,372 |
| County of Essex New Jersey Improvement Authority, RB, AMT, 5.25%, 07/01/45 ^(a) | 775 | 777,774 |
| New Jersey EDA, ARB, Continental Airlines, Inc. Project, 5.13%, 09/15/23 | 1,410 | 1,520,558 |
| New Jersey EDA, RB: | | |
| Continental Airlines, Inc. Project, AMT, 5.25%, 09/15/29 | 1,365 | 1,480,766 |
| Series EEE, 5.00%, 06/15/48 | 2,705 | 2,829,187 |
| New Jersey EDA, Refunding ARB, Port Network Container Terminal LLC Project, AMT, 5.00%, 10/01/47 | 1,060 | 1,114,675 |
| New Jersey EDA, Refunding, Special Assessment Bonds, Kapkowski Road Landfill Project, 5.75%, 04/01/31 | 1,550 | 1,691,050 |
| New Jersey State Turnpike Authority, RB: | | |
| Series A, 5.00%, 01/01/43 | 715 | 774,502 |
| Series E, 5.00%, 01/01/45 | 1,875 | 2,059,556 |
| New Jersey Transportation Trust Fund Authority, RB: | | |
| Transportation Program, Series AA, 5.00%, 06/15/44 | 315 | 327,587 |
| Transportation Program, Series AA, 5.00%, 06/15/44 | 580 | 598,061 |
| | <i>Par (000)</i> | <i>Value</i> |
| New Jersey (continued) | | |
| Transportation System, Series A, 5.50%, 06/15/41 | \$ 1,575 | \$ 1,642,158 |
| Transportation System, Series B, 5.25%, 06/15/36 | 1,705 | 1,777,173 |
| Tobacco Settlement Financing Corp., Refunding RB, Series A, 5.25%, 06/01/46 | 390 | 412,355 |

Edgar Filing: BLACKROCK MUNIHOLDINGS FUND, INC. - Form N-Q

| | | |
|---|-------|------------|
| Tobacco Settlement Financing Corp. New Jersey, Refunding RB, Sub-Series B, 5.00%, 06/01/46 | 2,100 | 2,091,180 |
| | | 21,042,009 |
| New York 7.8% | | |
| City of New York Transitional Finance Authority Future Tax Secured Revenue, RB, Fiscal 2012, Sub-Series E-1, 5.00%, 02/01/42 | 310 | 332,577 |
| Counties of New York Tobacco Trust IV, Refunding RB, Settlement Pass-Through Turbo, Series A, 6.25%, 06/01/41 ^(a) | 1,300 | 1,329,861 |
| County of Dutchess New York Industrial Development Agency, Refunding RB, Bard College Civic Facility, Series A-1, 5.00%, 08/01/46 | 715 | 688,338 |
| County of Westchester New York Healthcare Corp., RB, Senior Lien, Series A, 5.00%, 11/01/44 | 229 | 243,624 |
| Erie Tobacco Asset Securitization Corp., Refunding RB, Asset-Backed, Series A, 5.00%, 06/01/45 | 1,405 | 1,359,099 |
| Long Island Power Authority, Refunding RB, Electric System, Series A, 5.75%, 04/01/19 ^(b) | 1,450 | 1,459,599 |
| Metropolitan Transportation Authority, RB, Series B, 5.25%, 11/15/38 | 1,715 | 1,902,947 |
| Metropolitan Transportation Authority, Refunding RB, Dedicated Tax Fund, Series B, 5.00%, 11/15/19 ^(b) | 1,740 | 1,786,075 |
| New York Counties Tobacco Trust IV, Refunding RB, Tobacco Settlement Pass-Through Bonds, Series A, 5.00%, 06/01/38 | 1,415 | 1,377,290 |
| New York Liberty Development Corp., Refunding RB: 2nd Priority, Bank of America Tower at One Bryant Park Project, Class 3, 6.38%, 07/15/49 | 850 | 882,581 |
| 3 World Trade Center Project, Class 1, 5.00%, 11/15/44 ^(a) | 2,275 | 2,355,603 |

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|--|----------------------|--------------|
| New York (continued) | | |
| 3 World Trade Center Project, Class 2, 5.15%, 11/15/34 ^(a) | \$ 245 | \$ 261,613 |
| 3 World Trade Center Project, Class 2, 5.38%, 11/15/40 ^(a) | 605 | 639,836 |
| Port Authority of New York & New Jersey, ARB, Special Project, JFK International Air Terminal LLC Project, Series 8: | | |
| 6.00%, 12/01/36 | 900 | 954,162 |
| 6.00%, 12/01/42 | 875 | 926,205 |
| State of New York Environmental Facilities Corp., RB, Subordinated SRF Bonds, Series B, 5.00%, 06/15/48 | 1,305 | 1,498,271 |
| | | 17,997,681 |
| North Carolina 0.6% | | |
| North Carolina Medical Care Commission, RB, Health Care Facilities, Duke University Health System, Series A, 5.00%, 06/01/19 ^(b) | 970 | 980,583 |
| North Carolina Medical Care Commission, Refunding RB, 1st Mortgage, Retirement Facilities Whitestone Project, Series A, 7.75%, 03/01/21 ^(b) | 415 | 463,978 |
| | | 1,444,561 |
| North Dakota 0.3% | | |
| County of Cass North Dakota, Refunding RB, Essentia Health Obligated Group, Series B, 5.25%, 02/15/58 | 695 | 758,092 |
| Ohio 1.7% | | |
| Buckeye Tobacco Settlement Financing Authority, RB, Asset-Backed, Senior Turbo Term, Series A-2, 5.88%, 06/01/47 | 2,570 | 2,386,733 |
| County of Franklin Ohio, RB: | | |
| Health Care Facilities Improvement, OPRS Communities Obligation Group, Series A, 6.13%, 07/01/40 | 470 | 501,814 |
| Trinity Health Credit Group, Series 2017, 5.00%, 12/01/46 | 290 | 320,726 |
| | <i>Par (000)</i> | <i>Value</i> |
| Ohio (continued) | | |
| State of Ohio, RB, Portsmouth Bypass Project, AMT, 5.00%, 06/30/53 | \$ 580 | \$ 608,124 |
| | | 3,817,397 |
| Oklahoma 1.7% | | |
| City of Oklahoma Turnpike Authority, RB, Series A, 4.00%, 01/01/48 | 1,500 | 1,539,900 |
| Oklahoma Development Finance Authority, RB, OU Medicine Project, Series B, 5.25%, 08/15/48 | 855 | 931,206 |
| Oklahoma Turnpike Authority, RB, 2nd Series C, 4.00%, 01/01/42 | 1,420 | 1,469,643 |
| | | 3,940,749 |

Edgar Filing: BLACKROCK MUNIHOLDINGS FUND, INC. - Form N-Q

Pennsylvania 4.0%

| | | |
|--|-------|-----------|
| City of Philadelphia Pennsylvania Airport Revenue, Refunding ARB, Series B, AMT, 5.00%, 07/01/47 | 330 | 360,746 |
| City of Philadelphia Pennsylvania Hospitals & Higher Education Facilities Authority, RB, Temple University Health System, Series A, 5.63%, 07/01/42 | 460 | 487,641 |
| Commonwealth Financing Authority, RB, Tobacco Master Settlement Payment: 5.00%, 06/01/33 | 75 | 84,838 |
| 5.00%, 06/01/34 | 100 | 112,605 |
| County of Montgomery Higher Education & Health Authority, Refunding RB, Thomas Jefferson University, Series A: 4.00%, 09/01/49 | 415 | 414,988 |
| 5.00%, 09/01/43 | 905 | 999,111 |
| Pennsylvania Economic Development Financing Authority, RB: American Water Co. Project, 6.20%, 04/01/39 | 2,520 | 2,536,279 |
| AMT, 5.00%, 06/30/42 | 2,015 | 2,152,302 |
| Pennsylvania Economic Development Financing Authority, Refunding RB, National Gypsum Co., AMT, 5.50%, 11/01/44 | 1,105 | 1,143,332 |
| Pennsylvania Turnpike Commission, RB, Series A, 5.00%, 12/01/44 | 795 | 863,418 |
| | | 9,155,260 |

Puerto Rico 0.5%

| | | |
|--|-----|---------|
| Children s Trust Fund, Refunding RB, Tobacco Settlement Asset-Backed Bonds: 5.50%, 05/15/39 | 735 | 743,210 |
|--|-----|---------|

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|--|----------------------|--------------|
| Puerto Rico (continued) | | |
| 5.63%, 05/15/43 | \$ 500 | \$ 505,585 |
| | | 1,248,795 |
| Rhode Island 2.2% | | |
| Tobacco Settlement Financing Corp., Refunding RB: | | |
| Series A, 5.00%, 06/01/35 | 580 | 607,805 |
| Series B, 4.50%, 06/01/45 | 1,900 | 1,766,905 |
| Series B, 5.00%, 06/01/50 | 2,605 | 2,611,825 |
| | | 4,986,535 |
| South Carolina 4.7% | | |
| South Carolina Jobs EDA, Refunding RB, Prisma Health Obligated Group, Series A, 5.00%, 05/01/48 | 2,245 | 2,436,768 |
| State of South Carolina Ports Authority, ARB: 5.25%, 07/01/20 ^(b) | 2,285 | 2,396,714 |
| AMT, 5.25%, 07/01/55 | 925 | 1,001,164 |
| State of South Carolina Public Service Authority, RB, Santee Cooper, Series A, 5.50%, 12/01/54 | 2,410 | 2,584,074 |
| State of South Carolina Public Service Authority, Refunding RB: | | |
| Series A, 5.00%, 12/01/50 | 1,035 | 1,084,618 |
| Series E, 5.25%, 12/01/55 | 1,225 | 1,309,562 |
| | | 10,812,900 |
| Tennessee 0.7% | | |
| City of Chattanooga Health Educational & Housing Facility Board, RB, Catholic Health Initiatives, Series A, 5.25%, 01/01/45 | 980 | 1,038,065 |
| County of Nashville & Davidson Metropolitan Government Health & Educational Facilities Board, RB, Vanderbilt University Medical Center, Series A, 5.00%, 07/01/40 | 495 | 542,055 |
| | | 1,580,120 |
| Texas 8.5% | | |
| Central Texas Regional Mobility Authority, Refunding RB: | | |
| Senior Lien, 6.25%, 01/01/21 ^(b) | 1,480 | 1,600,931 |
| Sub-Lien, 5.00%, 01/01/33 | 250 | 269,068 |
| City of Austin Texas Airport System, ARB, AMT, 5.00%, 11/15/39 | 440 | 487,841 |
| City of Austin Texas Electric Utility Revenue, Refunding RB, Series A, 5.00%, 11/15/37 | 1,500 | 1,641,225 |
| | <i>Par (000)</i> | <i>Value</i> |
| Texas (continued) | | |
| City of San Antonio Texas Electric & Gas Systems Revenue, Refunding RB, Series A: 5.00%, 02/01/48 | \$ 850 | \$ 973,700 |

Edgar Filing: BLACKROCK MUNIHOLDINGS FUND, INC. - Form N-Q

| | | |
|---|-------|------------|
| 5.00%, 02/01/44 | 530 | 609,076 |
| County of Harris Texas Cultural Education Facilities Finance Corp., RB, 1st Mortgage, Brazos Presbyterian Homes, Inc. Project, Series B, 7.00%, 01/01/23 ^(b) | 325 | 386,601 |
| County of Tarrant Texas Cultural Education Facilities Finance Corp., RB, Christus Health, Series B, 5.00%, 07/01/48 | 3,330 | 3,651,511 |
| La Vernia Higher Education Finance Corp., RB, Kipp, Inc., Series A, 6.38%, 08/15/19 ^(b) | 450 | 461,012 |
| North Texas Tollway Authority, RB, CAB, Special Project System, Series B, 0.00%, 09/01/31 ^{(b)(c)} | 1,400 | 634,214 |
| San Antonio Water System, Refunding RB, Junior Lien, Series A, 5.00%, 05/15/48 | 1,825 | 2,071,192 |
| Texas Private Activity Bond Surface Transportation Corp., RB, Senior Lien: | | |
| LBJ Infrastructure Group LLC, 7.00%, 06/30/40 | 2,000 | 2,120,040 |
| NTE Mobility Partners LLC, North Tarrant Express Managed Lanes Project, 6.88%, 12/31/39 | 1,700 | 1,764,447 |
| University of Texas System, Refunding RB, Series B, 4.00%, 07/01/41 | 2,725 | 2,809,584 |
| | | 19,480,442 |
| Utah 0.6% | | |
| City of Salt Lake Corp. Airport Revenue, ARB, Series A, AMT, 5.00%, 07/01/47 | 665 | 729,984 |
| Salt Lake City Corp. Airport Revenue, ARB, Series A, AMT, 5.00%, 07/01/48 | 640 | 707,718 |
| | | 1,437,702 |
| Virginia 2.2% | | |
| County of Hanover Virginia EDA, Refunding RB, Covenant Woods, Series A: | | |
| 5.00%, 07/01/42 | 625 | 631,794 |
| Residential Care Facility, 5.00%, 07/01/47 | 970 | 979,021 |
| Hampton Roads Transportation Accountability Commission, RB, Transportation Fund, Senior Lien, Series A, 5.50%, 07/01/57 | 810 | 960,984 |

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|---|----------------------|--------------------|
| Virginia (continued) | | |
| Virginia Small Business Financing Authority, RB, Senior Lien, Elizabeth River Crossings OpCo LLC Project, AMT: | | |
| 5.25%, 01/01/32 | \$ 550 | \$ 585,569 |
| 6.00%, 01/01/37 | 1,830 | 1,999,714 |
| | | 5,157,082 |
| Washington 2.3% | | |
| Grant County Public Utility District No. 2, Refunding RB, Series A, 5.00%, 01/01/43 | 1,555 | 1,716,051 |
| Port of Seattle Washington, ARB, Series A, AMT, 5.00%, 05/01/43 | 1,085 | 1,194,878 |
| Port of Seattle Washington, RB, Intermediate Lien, Series C, AMT, 5.00%, 04/01/40 | 540 | 591,970 |
| Washington Health Care Facilities Authority, RB, Catholic Health Initiatives, Series A, 5.75%, 01/01/45 | 1,625 | 1,767,317 |
| | | 5,270,216 |
| Wisconsin 3.0% | | |
| State of Wisconsin, Refunding RB, Series A, 6.00%, 05/01/19 ^(b) | 4,980 | 5,032,937 |
| State of Wisconsin Health & Educational Facilities Authority, RB, Ascension Health Senior Credit Group, Series E, 5.00%, 11/15/33 | 1,710 | 1,745,055 |
| | | 6,777,992 |
| Total Municipal Bonds 118.3% | | |
| (Cost \$255,247,712) | | 271,261,606 |
| Municipal Bonds Transferred to Tender Option Bond Trusts^(f) 40.9% | | |
| California 8.3% | | |
| Bay Area Toll Authority, Refunding RB, San Francisco Bay Area: | | |
| Toll Bridge, 4.00%, 04/01/42 ^(g) | 2,257 | 2,312,706 |
| Series F-1, 5.63%, 04/01/19 ^(b) | 2,271 | 2,285,726 |
| City & County of San Francisco California Public Utilities Commission, RB, Water Revenue, Series B, 5.00%, 11/01/19 ^(b) | 6,600 | 6,767,530 |
| City of Los Angeles California Department of Airports, Refunding ARB, Los Angeles International Airport, Senior Series A, 5.00%, 05/15/40 | 4,121 | 4,278,449 |
| | <i>Par (000)</i> | <i>Value</i> |
| California (continued) | | |
| Sacramento Area Flood Control Agency, Refunding, Consolidated Capital Assessment District No. 2 Bonds, 5.00%, 10/01/47 | \$ 2,250 | \$ 2,524,631 |
| San Diego California Community College District, GO, Election of 2002, 5.25%, 08/01/19 ^(b) | 748 | 761,871 |

| | | |
|--|-------|------------|
| | | 18,930,913 |
| Colorado 2.7% | | |
| City & County of Denver Colorado Airport System Revenue, Refunding ARB, Subordinate System, Series A, AMT, 5.25%, 12/01/48 ^(g) | 1,664 | 1,892,218 |
| Colorado Health Facilities Authority, Refunding RB, Catholic Health Initiatives, Series A, 5.50%, 07/01/34 ^(g) | 1,490 | 1,505,779 |
| County of Adams Colorado, COP, Refunding, 4.00%, 12/01/45 | 2,700 | 2,749,477 |
| | | 6,147,474 |
| Florida 1.8% | | |
| County of Miami-Dade Florida, RB, Water & Sewer System, 5.00%, 10/01/20 ^(b) | 3,939 | 4,152,831 |
| Illinois 0.5% | | |
| Illinois Finance Authority, Refunding RB, Presence Health Network, Series C, 4.00%, 02/15/41 | 1,034 | 1,043,266 |
| Massachusetts 4.4% | | |
| Commonwealth of Massachusetts Transportation Fund Revenue, RB, Rail Enhancement Program, Series A, 4.00%, 06/01/45 | 1,502 | 1,535,575 |
| Massachusetts Development Finance Agency, Refunding RB, Partners Healthcare System, 5.00%, 07/01/47 | 3,359 | 3,709,270 |
| Massachusetts School Building Authority, RB, Senior, Series B, 5.00%, 10/15/41 | 4,502 | 4,801,296 |
| | | 10,046,141 |
| New York 9.8% | | |
| City of New York Municipal Water Finance Authority, Refunding RB, Water & Sewer System, 2nd General Resolution, Series FF-2, 5.50%, 06/15/40 | 1,110 | 1,124,874 |

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

January 31, 2019

(Percentages shown are based on Net Assets)

| <i>Security</i> | <i>Par (000)</i> | <i>Value</i> |
|--|----------------------|--------------|
| New York (continued) | | |
| Hudson Yards Infrastructure Corp., RB, Senior-Fiscal 2012 ^(g) : 5.75%, 02/15/21 ^(b) | \$ 687 | \$ 740,328 |
| 5.75%, 02/15/47 | 423 | 455,427 |
| New York Liberty Development Corp., ARB, 1 World Trade Center Port Authority Consolidated Bonds, 5.25%, 12/15/43 | 7,440 | 8,076,606 |
| New York Liberty Development Corp., Refunding RB, 4 World Trade Center Project, 5.75%, 11/15/51 ^(g) | 4,460 | 4,880,108 |
| Port Authority of New York & New Jersey, Refunding ARB, 194th Series, 5.25%, 10/15/55 | 1,860 | 2,121,218 |
| State of New York Urban Development Corp., RB, State Personal Income Tax, General Purpose, Series A, 4.00%, 03/15/46 | 4,846 | 4,997,994 |
| | | 22,396,555 |
| North Carolina 0.9% | | |
| Education 0.9% | | |
| North Carolina Capital Facilities Finance Agency, Refunding RB, Duke University Project, Series B, 5.00%, 10/01/55 | 1,830 | 2,047,331 |
| Pennsylvania 0.8% | | |
| Transportation 0.8% | | |
| Pennsylvania Turnpike Commission, RB, Sub-Series A, 5.50%, 12/01/42 | 1,695 | 1,938,978 |
| Rhode Island 0.5% | | |
| Narragansett Bay Commission, Refunding RB, Wastewater System, Series A, 4.00%, 09/01/43 | 1,140 | 1,156,268 |
| Texas 6.6% | | |
| City of San Antonio Texas Electric and Gas Systems, RB, Junior Lien, 5.00%, 02/01/43 | 1,720 | 1,866,368 |
| County of Harris Texas, RB, Toll Road, Senior Lien, Series A ^(g) : 5.00%, 08/15/19 ^(b) | 2,620 | 2,660,352 |
| 5.00%, 08/15/38 | 2,004 | 2,034,939 |
| County of Harris Texas Metropolitan Transit Authority, Refunding RB, Series A, 5.00%, 11/01/41 | 2,350 | 2,506,498 |
| Lower Colorado River Authority, Refunding RB, LCRA Transmission Services Corporation Project, 4.00%, 05/15/43 | 1,503 | 1,518,393 |
| | <i>Par (000)</i> | <i>Value</i> |
| <i>Security</i> | | |
| Texas (continued) | | |
| San Antonio Public Facilities Corp., Refunding RB, Convention Center Refinancing And Expansion Project, 4.00%, 09/15/42 | \$ 2,295 | \$ 2,314,829 |
| University of Texas, Refunding RB, Financing System, Series B, 5.00%, 08/15/43 | 2,041 | 2,227,652 |

| | | |
|--|----------------|------------------------|
| | | 15,129,031 |
| Utah 1.1% | | |
| City of Riverton Utah, RB, IHC Health Services, Inc., 5.00%, 08/15/19 ^(b) | 2,519 | 2,564,022 |
| Virginia 0.9% | | |
| Virginia Small Business Financing Authority, Refunding RB, Sentara Healthcare, 5.00%, 11/01/40 | 2,095 | 2,171,396 |
| Wisconsin 2.6% | | |
| State of Wisconsin Health & Educational Facilities Authority, Refunding RB: Froedtert & Community Health, Inc., Obligated Group, Series C, 5.25%, 04/01/19 ^{(b)(g)} The Medical College of Wisconsin, Inc., 4.00%, 12/01/46 | 3,959 2,059 | 3,981,178 2,076,613 |
| | | 6,057,791 |
| Total Municipal Bonds Transferred to Tender Option Bond Trusts 40.9% (Cost \$91,290,938) | | 93,781,997 |
| Total Long-Term Investments 159.2% (Cost \$346,538,650) | | 365,043,603 |
| | | <i>Shares</i> |
| Short-Term Securities 0.6% | | |
| BlackRock Liquidity Funds, MuniCash, Institutional Class, 1.24% ^{(h)(i)} | 1,272,624 | 1,272,879 |
| Total Short-Term Securities 0.6% (Cost \$1,272,751) | | 1,272,879 |
| Total Investments 159.8% (Cost \$347,811,401) | | 366,316,482 |
| Other Assets Less Liabilities 1.1% | | 2,643,431 |
| Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable (24.4)% | | (56,026,202) |
| VMTP Shares at Liquidation Value (36.5)% | | (83,700,000) |
| Net Assets Applicable to Common Shares 100.0% | | \$ 229,233,711 |

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

January 31, 2019

- (a) Security exempt from registration pursuant to Rule 144A under the Securities Act of 1933, as amended. These securities may be resold in transactions exempt from registration to qualified institutional investors.
- (b) 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.
- (c) Zero-coupon bond.
- (d) Variable or floating rate security, which interest rate adjusts periodically based on changes in current interest rates and prepayments on the underlying pool of assets. Rate shown is the rate in effect as of period end.
- (e) Step-up bond that pays an initial coupon rate for the first period and then a higher coupon rate for the following periods. Rate as of period end.
- (f) 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.
- (g) 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 expires between February 15, 2019 to April 1, 2039 is \$12,302,251.
- (h) Annualized 7-day yield as of period end.
- (i) 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>Shares</i> | | <i>Shares</i> | | <i>Value at</i> | <i>Income</i> | <i>Change in</i> | |
|--|-----------------|-----------------|-----------------|-----------------|--------------------|---------------------|------------------|-------------------|
| | <i>Held at</i> | <i>Net</i> | <i>Held at</i> | <i>Value at</i> | | | <i>Realized</i> | <i>Unrealized</i> |
| <i>Affiliate</i> | <i>04/30/18</i> | <i>Activity</i> | <i>01/31/19</i> | <i>01/31/19</i> | <i>Gain (Loss)</i> | <i>Depreciation</i> | | |
| BlackRock Liquidity Funds, MuniCash, Institutional Class | 733,990 | 538,634 | 1,272,624 | \$ 1,272,879 | \$ 33,682 | \$ 442 | \$ | 128 |

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

Portfolio Abbreviations

AGC Assured Guarantee Corp.

AGM Assured Guaranty Municipal Corp.

AMT Alternative Minimum Tax (subject to)

ARB Airport Revenue Bonds

CAB Capital Appreciation Bonds

COP Certificates of Participation
COP Colombian Peso
EDA Economic Development Authority
EDC Economic Development Corp.
GARB General Airport Revenue Bonds
GO General Obligation Bonds
GTD Guaranteed
IDA Industrial Development Authority
LRB Lease Revenue Bonds
NPFGC National Public Finance Guarantee Corp.
RB Revenue Bonds
S/F Single-Family
SRF State Revolving Fund

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

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> |
|----------------------------|--------------------------------|----------------------------|----------------------------------|---|
| Short Contracts: | | | | |
| 10-Year U.S. Treasury Note | 14 | 03/20/19 | \$ 1,715 | \$ (46,249) |
| Long U.S. Treasury Bond | 79 | 03/20/19 | 11,588 | (582,910) |
| 5-Year U.S. Treasury Note | 15 | 03/29/19 | 1,723 | (30,052) |
| | | | | \$ (659,211) |

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.

Schedule of Investments (unaudited) (continued)

BlackRock MuniHoldings Fund, Inc. (MHD)

January 31, 2019

Fair Value Hierarchy as of Period End (continued)

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 ^(a) | \$ | \$ 365,043,603 | \$ | \$ 365,043,603 |
| Short-Term Securities | 1,272,879 | | | 1,272,879 |
| | \$ 1,272,879 | \$ 365,043,603 | \$ | \$ 366,316,482 |
| Derivative Financial Instruments ^(b) | | | | |
| Liabilities: | | | | |
| Interest rate contracts | \$ (659,211) | \$ | \$ | \$ (659,211) |

^(a) See above Schedule of Investments for values in each state or political subdivision.

^(b) Derivative financial instruments are futures contracts which are valued at the unrealized appreciation (depreciation) on the instrument.

The Fund may hold assets and/or liabilities in which the fair value approximates the carrying amount. 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 | \$ | \$ (55,788,339) | \$ | \$ (55,788,339) |
| VMTP Shares at Liquidation Value | | (83,700,000) | | (83,700,000) |
| | \$ | \$ (139,488,339) | \$ | \$ (139,488,339) |

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 Fund, Inc.

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

Date: March 22, 2019

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

Date: March 22, 2019