

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-A

April 25, 2017

PAGE 1  
000 A000000 02/28/2017  
000 C000000 1045126  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
000 J000000 A  
001 A000000 BLACKROCK MUNIHOLDINGS INVEST. QUALITY FUND  
001 B000000 811-08349  
001 C000000 8004417762  
002 A000000 100 BELLEVUE PARKWAY  
002 B000000 WILMINGTON  
002 C000000 DE  
002 D010000 19809  
003 000000 N  
004 000000 N  
005 000000 N  
006 000000 N  
007 A000000 N  
007 B000000 0  
007 C010100 1  
008 A000001 BLACKROCK ADVISORS, LLC  
008 B000001 A  
008 C000001 801-47710  
008 D010001 WILMINGTON  
008 D020001 DE  
008 D030001 19809  
012 A000001 COMPUTERSHARE TRUST COMPANY, N.A. (COMMON)  
012 B000001 85-11340  
012 C010001 CANTON  
012 C020001 MA  
012 C030001 02021  
012 A000002 THE BANK OF NEW YORK MELLON (PREFERRED)  
012 B000002 85-05006  
012 C010002 NEW YORK  
012 C020002 NY  
012 C030002 10289  
013 A000001 DELOITTE & TOUCHE LLP  
013 B010001 BOSTON  
013 B020001 MA  
013 B030001 02116  
014 A000001 BLACKROCK EXECUTION SERVICES  
014 B000001 8-48719  
014 A000002 BLACKROCK INVESTMENTS, LLC  
014 B000002 8-48436  
014 A000003 HARRIS WILLIAMS LLC  
014 B000003 8-53380  
014 A000004 PNC CAPITAL MARKETS, INC.  
014 B000004 8-32493  
PAGE 2  
014 A000005 PNC INVESTMENTS LLC  
014 B000005 8-66195  
014 A000006 SOLEBURY CAPITAL, LLC  
014 B000006 8-67548  
015 A000001 STATE STREET BANK & TRUST COMPANY  
015 B000001 C

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015 C010001 BOSTON  
015 C020001 MA  
015 C030001 02111  
015 E010001 X  
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020 A000001 BANK OF AMERICA CORP  
020 B000001 56-0906609  
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022 A000001 BLACKROCK LIQUIDITY FUNDS, MUNICASH  
022 B000001 52-0983343  
022 C000001 76373  
022 D000001 79851  
022 A000002 PERSHING LLC  
022 B000002 13-2741729  
022 C000002 37452  
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022 A000003 MORGAN STANLEY & CO. LLC  
022 B000003 13-2655998  
022 C000003 12563  
022 D000003 10858  
022 A000004 BARCLAYS CAPITAL INC.  
022 B000004 06-1031656  
022 C000004 5648  
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022 A000005 JANNEY MONTGOMERY SCOTT LLC  
022 B000005 23-0731260  
022 C000005 13366  
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022 A000006 NATIONAL FINANCIAL SERVICES LLC  
022 B000006 04-3523567  
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022 A000007 GOLDMAN SACHS & CO  
022 B000007 13-5108880  
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022 A000008 UBS FINANCIAL SERVICES INC.  
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022 A000010 PIPER JAFFRAY & CO  
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| 072 | F000000 | 2658   |

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072 G000000 56  
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074 V010000 14.64  
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| 086       | D010000         | 0               |
| 086       | D020000         | 0               |
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| 088       | D000000         | Y               |
| SIGNATURE | NEAL J. ANDREWS |                 |
| TITLE     | CFO             |                 |