

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-A

April 25, 2013

PAGE 1  
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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  
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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  
008 A000002 BLACKROCK INVESTMENT MANAGEMENT, LLC  
008 B000002 S  
008 C000002 801-56972  
008 D010002 PRINCETON  
008 D020002 NJ  
008 D030002 08540  
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 CAPITAL MARKETS, LLC  
014 B000001 8-67827  
PAGE 2  
014 A000002 BLACKROCK EXECUTION SERVICES  
014 B000002 8-48719  
014 A000003 BLACKROCK INVESTMENTS, LLC  
014 B000003 8-48436  
014 A000004 HARRIS WILLIAMS LLC  
014 B000004 8-53380

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014 A000005 PNC CAPITAL MARKETS, INC.  
014 B000005 8-32493  
014 A000006 PNC INVESTMENTS LLC  
014 B000006 8-66195  
015 A000001 THE BANK OF NEW YORK MELLON  
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015 C010001 NEW YORK  
015 C020001 NY  
015 C030001 10286  
015 E010001 X  
015 A000002 J.P. MORGAN CHASE BANK  
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015 C010002 NEW YORK  
015 C020002 NY  
015 C030002 10017  
015 E010002 X  
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022 B000001 22-2509978  
022 C000001 126065  
022 D000001 109112  
022 A000002 JEFFERIES & COMPANY, INC.  
022 B000002 95-2622990  
022 C000002 74573  
022 D000002 30432  
022 A000003 APEX PRYOR SECURITIES INC  
022 C000003 15963  
022 D000003 19239  
022 A000004 STIFEL NICOLAUS & COMPANY INCORPORATED  
022 B000004 43-0538770  
022 C000004 5509  
022 D000004 27324  
022 A000005 BARCLAYS CAPITAL INC.  
022 B000005 13-3299429  
022 C000005 23081  
022 D000005 4836  
022 A000006 BANK OF AMERICA CORP  
022 B000006 56-0906609  
022 C000006 13597  
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022 A000007 JANNEY MONTGOMERY SCOTT LLC  
PAGE 3  
022 B000007 23-0731260  
022 C000007 3360  
022 D000007 17131  
022 A000008 CITIGROUP GLOBAL MARKETS INC  
022 B000008 11-2418191  
022 C000008 15571  
022 D000008 2770  
022 A000009 SIEBERT, BRANDFORD, SHANK & CO., LLC  
022 B000009 13-3932653  
022 C000009 4027  
022 D000009 11808  
022 A000010 MORGAN STANLEY & CO INC  
022 B000010 13-2655998  
022 C000010 3618  
022 D000010 5910  
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| SIGNATURE | NEAL J. ANDREWS |                 |
| TITLE     | CFO             |                 |