

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-B

October 29, 2012

PAGE 1  
000 B000000 08/31/2012  
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  
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  
015 B000001 C  
015 C010001 NEW YORK  
015 C020001 NY  
015 C030001 10286  
015 E010001 X  
015 A000002 J.P. MORGAN CHASE BANK  
015 B000002 S  
015 C010002 NEW YORK  
015 C020002 NY  
015 C030002 10017  
015 E010002 X  
018 000000 Y  
019 A000000 Y  
019 B000000 289  
019 C000000 BLKRRKADVSR  
020 A000001 BANK OF AMERICA CORP  
020 B000001 56-0906609  
020 C000001 5  
020 A000002 UBS SECURITIES LLC  
020 B000002 13-3873456  
020 C000002 1  
020 A000003 JANNEY MONTGOMERY SCOTT LLC  
020 B000003 23-0731260  
020 C000003 0  
021 000000 6  
022 A000001 FFI INSTITUTIONAL TAX-EXEMPT FUND  
022 B000001 22-2509978  
022 C000001 311484  
022 D000001 332606  
022 A000002 JEFFERIES & COMPANY, INC.  
022 B000002 95-2622990  
022 C000002 88576  
022 D000002 87286  
022 A000003 CITIGROUP GLOBAL MARKETS INC  
022 B000003 11-2418191  
022 C000003 37845  
022 D000003 46566  
022 A000004 BARCLAYS CAPITAL INC.  
022 B000004 13-3299429  
022 C000004 67305  
PAGE 3  
022 D000004 0  
022 A000005 APEX PRYOR SECURITIES INC  
022 C000005 38702  
022 D000005 26307  
022 A000006 WELLS FARGO & CO  
022 B000006 41-0449260  
022 C000006 34814  
022 D000006 26575  
022 A000007 STIFEL NICOLAUS & COMPANY INCORPORATED  
022 B000007 43-0538770  
022 C000007 26505  
022 D000007 32618  
022 A000008 JPMORGAN SECURITIES INC  
022 B000008 13-3299429  
022 C000008 56523  
022 D000008 2466

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022 A000009 MORGAN STANLEY & CO INC  
 022 B000009 13-2655998  
 022 C000009 47668  
 022 D000009 3832  
 022 A000010 SEIBERT, BRANDFORD, SHANK & CO., L.L.C  
 022 B000010 13-3932653  
 022 C000010 13547  
 022 D000010 18951  
 023 C000000 811471  
 023 D000000 723989

024 000000 N  
 026 A000000 N  
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 026 F000000 N  
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PAGE 4

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| 045 | 000000  | Y     |
| 046 | 000000  | N     |
| 047 | 000000  | Y     |
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| 053 | C000000 | N     |
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059 000000 Y  
060 A000000 N  
060 B000000 N  
061 000000 0  
062 A000000 Y  
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062 H000000 0.0  
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PAGE 6

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062 O000000 165.8  
062 P000000 0.0  
062 Q000000 0.0  
062 R000000 0.0  
063 A000000 0  
063 B000000 24.3  
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070 L010000 N  
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070 M010000 N  
070 M020000 N  
070 N010000 N  
070 N020000 N  
070 O010000 Y  
070 O020000 N

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070 P010000 Y  
 070 P020000 N  
 070 Q010000 N  
 070 Q020000 N  
 070 R010000 N  
     PAGE 7  
 070 R020000 N  
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 071 C000000 920743  
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 072 M000000 92  
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 072 R000000 117  
 072 S000000 130  
 072 T000000 0  
 072 U000000 0  
 072 V000000 0  
 072 W000000 2467  
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 072 Y000000 400  
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     PAGE 8  
 074 J000000 665  
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 074 L000000 10667  
 074 M000000 488

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| 074 | N000000 | 1012602                                       |
| 074 | O000000 | 0                                             |
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| 074 | R040000 | 134793                                        |
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| 074 | T000000 | 602780                                        |
| 074 | U010000 | 37762                                         |
| 074 | U020000 | 0                                             |
| 074 | V010000 | 15.96                                         |
| 074 | V020000 | 0.00                                          |
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| 074 | Y000000 | 274600                                        |
| 075 | A000000 | 0                                             |
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| 076 | 000000  | 16.13                                         |
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| 077 | M000000 | N                                             |
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| 077 | Q010000 | N                                             |
| 077 | Q020000 | N                                             |
| 077 | Q030000 | N                                             |
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| 080 | A000000 | Federal Insurance Company                     |
| 080 | B000000 | National Union Fire Ins. Co. of Pittsburgh,PA |
| 080 | C000000 | 69325                                         |
| 081 | A000000 | Y                                             |
| 081 | B000000 | 94                                            |
| 082 | A000000 | N                                             |
| 082 | B000000 | 0                                             |
|     | PAGE    | 9                                             |
| 083 | A000000 | N                                             |
| 083 | B000000 | 0                                             |
| 084 | A000000 | N                                             |
| 084 | B000000 | 0                                             |
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| 085 | B000000 | N                                             |
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| 086 | A020000 | 695                                           |
| 086 | B010000 | 0                                             |
| 086 | B020000 | 0                                             |
| 086 | C010000 | 0                                             |
| 086 | C020000 | 0                                             |
| 086 | D010000 | 0                                             |
| 086 | D020000 | 0                                             |

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|           |                 |                 |
|-----------|-----------------|-----------------|
| 086       | E010000         | 0               |
| 086       | E020000         | 0               |
| 086       | F010000         | 0               |
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| 087       | A020000         | 09254P108       |
| 087       | A030000         | MFL             |
| 087       | B010000         | PREFERRED STOCK |
| 088       | A000000         | N               |
| 088       | B000000         | N               |
| 088       | C000000         | N               |
| 088       | D000000         | Y               |
| SIGNATURE | NEAL J. ANDREWS |                 |
| TITLE     | CFO             |                 |