

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
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005 000000 N
006 000000 N
007 A000000 N
007 B000000 0
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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
 015 B000002 S
 015 C010002 NEW YORK
 015 C020002 NY
 015 C030002 10017
 015 E010002 X
 018 000000 Y
 019 A000000 Y
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 020 A000001 BANK OF AMERICA CORP
 020 B000001 56-0906609
 020 C000001 5
 020 A000002 UBS SECURITIES LLC
 020 B000002 13-3873456
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 020 A000003 JANNEY MONTGOMERY SCOTT LLC
 020 B000003 23-0731260
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 022 A000001 FFI INSTITUTIONAL TAX-EXEMPT FUND
 022 B000001 22-2509978
 022 C000001 311484
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 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
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 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
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022	A000009	MORGAN STANLEY & CO INC	
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080	C000000	69325
081	A000000	Y
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087	A030000	MFL
087	B010000	PREFERRED STOCK
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088	B000000	N
088	C000000	N
088	D000000	Y
SIGNATURE	NEAL J. ANDREWS	
TITLE	CFO	