

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-B

October 30, 2017

PAGE 1
000 B000000 08/31/2017
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
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 020 B000001 56-0906609
 020 C000001 9
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 022 A000001 BLACKROCK LIQUIDITY FUNDS, MUNICASH
 022 B000001 52-0983343
 022 C000001 113347
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 022 A000002 PERSHING LLC
 022 B000002 13-2741729
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 022 A000003 MORGAN STANLEY & CO INC
 022 B000003 13-2655998
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 022 A000004 NATIONAL FINANCIAL SERVICES LLC
 022 B000004 04-3523567
 022 C000004 12836
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 022 A000005 BARCLAYS CAPITAL INC.
 022 B000005 13-3299429
 022 C000005 5648
 022 D000005 16407
 022 A000006 JANNEY MONTGOMERY SCOTT LLC
 022 B000006 23-0731260
 022 C000006 13366
 022 D000006 4500
 022 A000007 GOLDMAN SACHS & CO
 022 B000007 13-5108880
 022 C000007 6363
 022 D000007 11254
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 022 B000008 56-0906609
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 022 A000009 UBS FINANCIAL SERVICES INC.
 PAGE 3
 022 B000009 13-2638166
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 022 D000009 7063
 022 A000010 WELLS FARGO BANK NA
 022 B000010 94-1347393
 022 C000010 2326
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 023 C000000 267081
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080	B000000	St. Paul Fire & Marine Insurance Company
080	C000000	61550
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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	