

BLACKROCK MUNIHOLDINGS INVESTMENT QUALITY FUND

Form NSAR-B

October 28, 2016

PAGE 1
000 B000000 08/31/2016
000 C000000 1045126
000 D000000 N
000 E000000 NF
000 F000000 Y
000 G000000 N
000 H000000 N
000 I000000 6.1
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001 A000000 BLACKROCK MUNIHOLDINGS INVEST. QUALITY FUND
001 B000000 811-08349
001 C000000 8004417762
002 A000000 100 BELLEVUE PARKWAY
002 B000000 WILMINGTON
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002 D010000 19809
003 000000 N
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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
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 AND TRUST COMPANY
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015 C010001 BOSTON
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020 A000001 BANK OF AMERICA CORP
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022 A000001 BLACKROCK LIQUIDITY FUNDS, MUNICASH
022 B000001 52-0983343
022 C000001 112202
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022 A000002 MORGAN STANLEY
022 B000002 36-3145972
022 C000002 77176
022 D000002 33827
022 A000003 FFI INSTITUTIONAL TAX-EXEMPT FUND
022 B000003 22-2509978
022 C000003 53172
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022 A000004 J.P. MORGAN SECURITIES INC.
022 B000004 13-3299429
022 C000004 37418
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022 A000005 CITIGROUP GLOBAL MARKETS INC
022 B000005 11-2418191
022 C000005 32928
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022 A000006 JEFFERIES & COMPANY INC
022 B000006 95-2622900
022 C000006 20864
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022 A000007 OPPENHEIMER + CO. INC.
022 B000007 13-2798343
022 C000007 24701
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022 A000008 BANK OF AMERICA CORP
022 B000008 56-0906609
022 C000008 48916
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022 A000009 PERSHING LLC
PAGE 3
022 B000009 13-2741729
022 C000009 15914
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022 A000010 BARCLAYS CAPITAL INC.
022 B000010 13-3297824
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080	B000000	ST. PAUL FIRE & MARINE INSURANCE COMPANY
080	C000000	61025
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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	