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PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-A

December 29, 2004

PAGE 1
000 A000000 10/31/2004
000 C000000 1223026
000 D000000 N
000 E000000 NF
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000 G000000 N
000 H000000 N
000 I000000 6.1
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001 B000000 811-21321
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008 A000001 PIONEER INVESTMENT MANAGEMENT, INC.
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010 A000002 PRINCETON ADMINISTRATORS, L.P.
010 C010002 PRINCETON
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011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.
011 B000001 8-12345678
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PAGE 2
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011 A000006 MCDONALD INVESTMENTS INC.
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012 A000001 PIONEER INV. MGMT. SHAREHOLDER SERVICES, INC.
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012 A000002 MELLON INVESTOR SERVICES LLC (COMMON)
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013 A000001 ERNST & YOUNG LLP
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PAGE 7

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PAGE 8

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SIGNATURE	MARY KELLERMANN	
TITLE	ACCOUNTING MANAGER	