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PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-B

June 28, 2004

PAGE 1
000 B000000 04/30/2004
000 C000000 1223026
000 D000000 N
000 E000000 NF
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000 G000000 N
000 H000000 N
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001 B000000 811-21321
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011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.
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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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SIGNATURE MARY KELLERMANN
TITLE ACCOUNTING MANAGER