Invesco Van Kampen Municipal Trust Form N-Q January 27, 2012

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UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FORM N-O QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT **INVESTMENT COMPANY** Investment Company Act file number 811-06362 **Invesco Van Kampen Municipal Trust** (Exact name of registrant as specified in charter) 1555 Peachtree Street, N.E., Atlanta, Georgia 30309 (Address of principal executive offices) (Zip code) Colin Meadows 1555 Peachtree Street, N.E., Atlanta, Georgia 30309 (Name and address of agent for service) Registrant s telephone number, including area code: (713) 626-1919 Date of fiscal year end: 2/28 Date of reporting period: 11/30/11

Item 1. Schedule of Investments.

Invesco Van Kampen Municipal Trust

Quarterly Schedule of Portfolio Holdings November 30, 2011

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VK-CE-MUNI-QTR-1 11/11

Invesco Advisers, Inc.

Schedule of Investments

November 30, 2011 (Unaudited)

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Municipal Obligations 158.22%				
Alabama 2.40% Bessemer Governmental Utility Services Corp.; Series 2008 A, Ref. Water	r			
Supply RB (INS-AGC) ^{(a)(b)}	5.00%	06/01/39	\$2,150	\$ 2,204,524
Birmingham (City of) Airport Authority; Series 2010, RB (INS-AGM) ^(a) Gadsen (City of); Series 2003 B, Unlimited Tax GO Bonds (INS-AMBAC	5.25% C)	07/01/30	1,650	1,725,900
(a)	5.25%		3,695	3,934,177
Huntsville (City of) Redstone Village Special Care Facilities Financing				
· · ·	5.50%	01/01/43	1,725	1,295,130
Series 2009 A, RB	6.25%	11/01/33	1,950	2,066,630
				12,551,763
Alaska 0.81%				
Alaska (State of) Industrial Development & Export Authority (Providence Health Services); Series 2011 A, RB	5.50%	10/01/41	3,160	3,345,587
Matanuska-Susitna Borough (City of) (Public Safety Building Lease);				
Series 2000, COP (INS-AGM) ^(a)	5.75%	03/01/16	855	858,625
				4,204,212
Arizona 4.60%				
Arizona (State of) Transportation Board;				
			,	, ,
			·	
	5.2570	01101152	2,300	2,745,075
Series 2000, Student Housing RB	6.25%	09/01/32	1,425	1,397,255
Glendale (City of) Industrial Development Authority (John C. Lincoln	5.000	10/01/05	1 000	050 415
Glendale (City of) Industrial Development Authority (Midwestern	5.00%	12/01/35	1,090	950,415
•	5 00%	05/15/35	500	500 845
Goodyear (City of) McDowell Road Commercial Corridor Improvement			,	, - <u>)</u>
(INS-AMBAC) ^(a)	5.25%	01/01/32	1,035	1,047,141
Maricopa (County of) Industrial Development Authority (Catholic Healthcare West); Series 2009 C, Health Facilities RB ^{(c)(d)}	5.00%	07/01/14	2,150	2,331,868
 Authority; Series 2007, Retirement Facility RB Selma (City of) Industrial Development Board (Gulf Opportunity Zone); Series 2009 A, RB Alaska 0.81% Alaska (State of) Industrial Development & Export Authority (Providence Health Services); Series 2011 A, RB Matanuska-Susitna Borough (City of) (Public Safety Building Lease); Series 2000, COP (INS-AGM) ^(a) Arizona (State of) Transportation Board; Series 2008 B, Highway RB Series 2011 A, Ref. Sub. Highway RB Arizona Capital Facilities Finance Corp. (Arizona State University); Series 2000, Student Housing RB Glendale (City of) Industrial Development Authority (John C. Lincoln Health Network); Series 2005, Ref. Hospital RB Glendale (City of) Industrial Development Authority (Midwestern University); Series 2010, RB Series 2010, RB Series 2010, RB Goodyear (City of) McDowell Road Commercial Corridor Improvement District; Series 2007, Special Assessment Improvement Bonds (INS-AMBAC) ^(a) 	 6.13% 5.50% 6.25% 5.75% 5.00% 5.00% 5.00% 5.25% 6.25% 5.00% 5.00% 5.00% 5.00% 5.25% 	05/15/12 01/01/43 11/01/33 10/01/41 03/01/16 07/01/25 07/01/26 07/01/26 07/01/32 09/01/32 12/01/35 05/15/35 05/15/40 01/01/32	1,300 1,725 1,950 3,160 855 1,700 2,545 2,500 1,425 1,090 500 1,100 1,035	1,325,402 1,295,130 2,066,630 12,551,763 3,345,587 858,625 4,204,212 1,886,762 2,799,958 2,745,675 1,397,255 950,415 500,845 1,102,970 1,047,141

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Maricopa (County of) Pollution Control Corp. (Arizona Public Service Co.					
Palo Verde); Series 2009 B, Ref. PCR (c)(d)	5.50%	05/01/12	1,225	1,245,041	
Navajo County Pollution Control Corp.;					
Series 2009 C, PCR ^{(c)(d)}	5.50%	06/01/14	625	673,738	
Series 2009 E, PCR ^{(c)(d)}	5.75%	06/01/16	715	807,171	
Phoenix (City of) Industrial Development Authority (Career Success					
Schools);					
Series 2009, Education RB	7.00%	01/01/39	640	596,115	
Series 2009, Education RB	7.13%	01/01/45	610	571,777	
Pima (County of) Industrial Development Authority (Global Water					
Resources LLC); Series 2007, Water & Wastewater RB ^(e)	6.55%	12/01/37	2,300	2,288,615	
Salt River Agricultural Improvement & Power District; Series 2009 A,					
Electric System RB ^(b)	5.00%	01/01/28	2,050	2,238,088	
University Medical Center Corp.; Series 2005, Hospital RB	5.00%	07/01/35	900	829,188	
				24,012,622	
California 16.37%					
Anaheim (City of) Public Financing Authority (Public Improvements);					
Series 1997 C, CAB Sub. Lease RB (INS-AGM) ^{(a)(f)}	0.00%	09/01/20	4,000	2,607,520	
Bay Area Governments Association (California Redevelopment Agency					
Pool); Series 2004 A, Tax Allocation RB (INS-SGI) ^(a)	5.25%	09/01/35	2,100	1,744,617	
See accompanying notes which are an integral part of this schedule.					
Invesco Van Kampen Municipal Trust					

	Interest Rate	Maturity Date	Principal Amount (000)	Value
California (continued)				
Bay Area Toll Authority (San Francisco Bay Area);				
Series 2008 F-1, Toll Bridge RB ^(b)	5.00%	04/01/39	\$ 2,000	\$ 2,068,400
Series 2008 F-1, Toll Bridge RB	5.00%	04/01/39	4,000	4,136,800
Series 2009 F-1, Toll Bridge RB ^(b)	5.00%	04/01/34	2,500	2,611,375
Series 2009 F-1, Toll Bridge RB ^(b)	5.13%	04/01/39	4,000	4,187,320
Beverly Hills Unified School District (Election of	0110 /0	0 11 0 11 0 2	.,	.,107,020
2008); Series 2009, Unlimited Tax CAB GO Bonds				
(f)	0.00%	08/01/28	800	363,120
California (State of) Department of Water Resources	0.00%	00/01/20	000	505,120
(Central Valley);				
Series 2008 AE, Water RB ^(b)	5.00%	12/01/24	775	871,309
Series 2008 AE, Water RB ^(b)	5.00%	12/01/24	975	1,086,199
Series 2008 AE, Water RB ^(b)	5.00%	12/01/25	975	1,078,808
Series 2008 AE, Water RB ^(b)	5.00%	12/01/20	575	630,200
Series 2008 AE, Water RB ^(b)	5.00%	12/01/27	975	1,061,473
California (State of) Health Facilities Financing	5.00 //	12/01/20)15	1,001,473
Authority (Catholic Health Care West); Series 2009				
A, RB	6.00%	07/01/34	1,000	1,079,790
California (State of) Health Facilities Financing	0.00 //	07/01/34	1,000	1,079,790
Authority (Sutter Health); Series 2011 B, RB	5.50%	08/15/26	1,000	1,096,610
California (State of) Housing Finance Agency;	5.50 %	00/15/20	1,000	1,090,010
Series 2008 K, Home Mortgage RB ^(e)	5.30%	08/01/23	3,150	3,076,164
Series 2008 K, Home Mortgage RB ^(e)	5.45%	08/01/28	3,700	3,703,811
California (State of) Pollution Control Financing	5.45%	06/01/26	3,700	5,705,811
Authority (Waste Management Inc.); Series 2002 B,				
Solid Waste Disposal RB (e)	5.00%	07/01/27	1,000	1,003,100
California (State of) Public Works Board (UCLA	5.00%	07/01/27	1,000	1,003,100
Replacement Hospitals); Series 2002 A, RB				
	5 2907	10/01/20	1,995	2,054,132
(INS-AGM) ^(a) California (State of) Statewide Communities	5.38%	10/01/20	1,995	2,034,132
California (State of) Statewide Communities Development Authority (Adventist Health				
	5.00%	03/01/30	1,800	1,800,126
System/West); Series 2005 A, Health Facility RB	3.00%	03/01/30	1,000	1,000,120
California (State of) Statewide Communities				
Development Authority (Kaiser Permanente);	5 000	04/01/19	1 200	1 505 095
Series 2009 A, RB	5.00%	04/01/19	1,300	1,505,985
California (State of); Social 2000, Various Purpose Unlimited Tay CO				
Series 2009, Various Purpose Unlimited Tax GO	57501	04/01/21	1 150	1 266 426
Bonds Social 2000 A. Ref. Economic Recovery Unlimited	5.75%	04/01/31	1,150	1,266,426
Series 2009 A, Ref. Economic Recovery Unlimited	EDEM	07/01/01	1 000	0.010.052
Tax GO Bonds	5.25%	07/01/21	1,900	2,218,953
California State University (Systemwide);	5 000	11/01/02	F 000	5 017 750
Series 2002 A, RB (INS-AMBAC) ^(a)	5.00%	11/01/23	5,000	5,217,750
	6.50%	12/15/47	430	399,724

Daly (City of) Housing Development Finance Agency (Franciscan Mobile Home Park Acquisition); Series 2007 C, Ref. Third Tier RB Golden State Tobacco Securitization Corp.;				
Series 2005 A, Asset-Backed RB (INS-FGIC) ^(a) Series 2005 A, Enhanced Tobacco Settlement	5.00%	06/01/35	5,000	4,694,350
Asset-Backed RB Los Angeles Harbor Department; Series 2009 C,	5.00%	06/01/45	4,000	3,664,080
Ref. RB Los Angeles Unified School District; Series 2009 D,	5.00%	08/01/31	1,000	1,067,130
Unlimited Tax GO Bonds Metropolitan Water District of Southern California;	5.00%	07/01/22	1,200	1,360,860
Series 2009 A, Water RB Morongo Band of Mission Indians (The) (Enterprise	5.00%	01/01/34	2,500	2,675,950
Casino); Series 2008 B, RB ^(g) Palomar Pomerado Health Care District;	5.50%	03/01/18	130	126,415
Series 2009, COP Sacramento (County of); Series 2010, Sr. Airport	6.75%	11/01/39	1,125	1,154,137
System RB San Bernadino (City of) Joint Powers Financing	5.00%	07/01/40	2,300	2,321,482
Authority (Central City Merged); Series 1998 A, Ref. Tax Allocation RB (INS-AMBAC) ^(a)	5.75%	07/01/20	1,375	1,317,442
San Diego Community College District (Election of 2006); Series 2011, Unlimited Tax GO Bonds	5.00%	08/01/36	4,110	4,357,093
San Francisco (City & County of) Airports Commission (San Francisco International Airport);			.,	.,,
Second Series 2008 A-4, Ref. RB ^{(c)(d)(e)(h)}	6.50%	05/01/12	1,200	1,230,180
Second Series 2011 F, Ref. RB ^(e)	5.00%	05/01/25	775	808,387
Second Series 2011 F, Ref. RB ^(e) San Francisco (City & County of) Public Utilities	5.00%	05/01/26	1,550	1,603,490
Commission (Water System Improvement Program); Subseries 2011 A, Water RB	5.00%	11/01/36	3,360	3,524,640
Southern California Tobacco Securitization Authority (San Diego County Tobacco Asset Securitization Corp.);				
Series 2006 A-1, Sr. Tobacco Settlement				
Asset-Backed RB Series 2006 A-1, Sr. Tobacco Settlement	5.00%	06/01/37	3,200	2,231,840
Asset-Backed RB	5.13%	06/01/46	6,600	4,335,144
Vernon (City of); Series 2009 A, Electric System RB	5.13%	08/01/21	2,100	2,094,309
				85,436,641

See accompanying notes which are an integral part of this schedule. Invesco Van Kampen Municipal Trust

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	Interest Rate	Maturity Date	Principal Amount (000)	Value	
Colorado 2.65%					
Colorado (State of) Health Facilities Authority					
(Catholic Health); Series 2006 C5, RB (INS-AGM)					
(a)(b)	5.00%	09/01/36	\$ 4,875	\$ 4,924,091	
Colorado (State of) Health Facilities Authority			. ,	. , ,	
(Evangelical Lutheran);					
Series 2004 A, RB	5.25%	06/01/34	1,000	971,090	
Series 2005, RB	5.00%	06/01/35	2,790	2,591,603	
Colorado (State of) Health Facilities Authority					
(Volunteers of America Care);					
Series 2007 A, RB	5.25%	07/01/27	350	307,818	
Series 2007 A, RB	5.30%	07/01/37	425	342,932	
Colorado (State of) Regional Transportation District (Denver Transit Partners EAGCe P3);					
Series 2010, Private Activity RB	6.00%	01/15/34	1,100	1,125,916	
Series 2010, Private Activity RB	6.50%	01/15/30	1,400	1,496,992	
Jefferson (County of); Series 1980, Residential			,	, ,	
Mortgage RB ^(h)	9.00%	09/01/12	100	106,522	
Montezuma (County of) Hospital District (Health					
Facilities Enterprise); Series 2007, Ref. RB	5.90%	10/01/37	935	831,075	
Platte River Power Authority; Series 2009 HH,					
Power RB	5.00%	06/01/26	1,000	1,117,450	
				13,815,489	
Connecticut 1.37%					
Connecticut (State of) (Bradley International					
Airport); Series 2000 A, Special Obligation Parking					
RB (INS-ACA) ^{(a)(e)}	6.60%	07/01/24	2,840	2,792,941	
Connecticut (State of) Development Authority					
(Aquarion Water Co.); Series 2011, Water Facilities					
RB ^(e)	5.50%	04/01/21	1,200	1,286,796	
Connecticut (State of) Housing Finance Authority;					
Sub-series 2010			1.60 -		
D-2, Housing Mortgage Finance Program RB ^(e)	5.00%	05/15/31	1,605	1,635,447	
Hamden (Town of) (Whitney Center); Series 2009	(10 %	01/01/14	1 450	1 450 050	
B, Entrance Fee Principal Redemption RB	6.13%	01/01/14	1,450	1,450,972	
				7 166 156	
				7,166,156	
District of Columbia 2020					
District of Columbia 2.93%					
District of Columbia (Sibley Memorial Hospital);	6.38%	10/01/34	2,400	2 601 072	
Series 2009, Hospital RB Series 2009, Hospital RB	6.50%	10/01/34	2,400 700	2,601,072	
series 2007, Hospital KD	0.30%	10/01/29	/00	772,338	

District of Columbia Water & Sewer Authority;						
Series 2007 A, Public Utility Sub. Lien RB (INS-AGM) ^(a) Series 2008 A, Ref. Public Utility Sub. Lien RB	5.50%	10/01/41	4,000	4,286,720		
(INS-AGC) ^{(a)(b)} Series 2008 A, Ref. Public Utility Sub. Lien RB	5.00%	10/01/29	775	832,660		
(INS-AGC) ^{(a)(b)} Metropolitan Washington D.C. Airports Authority;	5.00%	10/01/34	1,575	1,648,631		
Series 2002 A, RB (INS-NATL) ^{(a)(e)}	5.13%	10/01/26	5,000	5,141,050		
				15,282,471		
Florida 12.80%						
Alachua (County of) (North Florida Retirement						
Village, Inc.);						
Series 2007, IDR	5.25%	11/15/17	1,000	952,280		
Series 2007, IDR	5.88%	11/15/36	1,000	806,840		
Brevard (County of) Health Facilities Authority						
(Buena Vida Estates, Inc.); Series 2008, Residential						
Care Facility RB	6.75%	01/01/37	1,305	1,165,430		
Brevard (County of) Health Facilities Authority						
(Health First Inc.); Series 2001, Health Care						
Facilities RB (INS-NATL) ^(a)	5.13%	04/01/31	3,380	3,351,101		
Citizens Property Insurance Corp.;						
Series 2010 A-1, Sr. Sec. High Risk Account RB	5.00%	06/01/14	5,000	5,336,100		
Series 2010 A-1, Sr. Sec. High Risk Account RB	5.25%	06/01/17	2,200	2,427,414		
Escambia (County of) Health Facilities Authority						
(Florida Health Care Facility Loan Veterans Health						
Administration Program); Series 2000, RB						
(INS-AMBAC) ^(a)	5.95%	07/01/20	340	346,984		
Florida (State of) Department of Transportation;						
Series 2004 A, Turnpike RB ^(b)	5.00%	07/01/29	5,000	5,181,000		
Florida (State of) Ports Financing Commission						
(State Transportation Trust Fund); Series 2011 B,						
Ref. RB ^(e)	5.13%	06/01/27	1,650	1,762,580		
Hillsborough (County of) Aviation Authority;						
Series 2008 A, RB (INS-AGC) ^{(a)(b)(e)}	5.38%	10/01/33	975	990,522		
Series 2008 A, RB (INS-AGC) ^{(a)(b)(e)}	5.50%	10/01/38	2,175	2,203,862		
Hillsborough (County of) Industrial Development						
Authority (Tampa Electric Co.);						
Series 2006, Ref. PCR (INS-AMBAC) ^{(a)(c)(d)}	5.00%	03/15/12	800	809,784		
Series 2007 B, Ref. PCR ^{(c)(d)}	5.15%	09/01/13	800	856,816		
See accompanying notes which are an integral part of this schedule.						
Invesco Van Kampen Municipal Trust						

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Florida (continued)				
Hillsborough (County of); Series 2006 A, Solid Waste & Resources				
Recovery RB (INS-BHAC) ^{(a)(e)}	4.50%	09/01/34	\$ 2,325	\$ 2,214,981
Lakeland (City of) (Lakeland Regional Health Systems);				
Series 2006, Ref. Hospital RB	5.00%	11/15/26	5,000	5,011,850
Series 2006, Ref. Hospital RB	5.00%	11/15/32	5,000	4,876,250
Miami Beach (City of); Series 2000, Stormwater RB (INS-NATL) (a)	5.25%	09/01/25	1,515	1,519,363
Miami-Dade (County of) (Miami International Airport); Series 2002,				
Aviation RB (INS-AGC) ^{(a)(e)}	5.38%	10/01/32	2,700	2,707,128
Miami-Dade (County of) Expressway Authority; Series 2010 A, Ref. To		0 - 10 4 14 0	1.0.50	
System RB	5.00%	07/01/40	1,250	1,258,188
Miami-Dade (County of) Health Facilities Authority (Miami Children s	(100	00/01/40	(10)	((0.222
Hospital); Series 2010 A, Ref. Hospital RB	6.13%	08/01/42	640	660,333
Miami-Dade (County of) Miami International Airport; Series 2002,	5 2001	10/01/25	2 000	2 024 500
Aviation RB (INS-NATL) ^{(a)(e)} Miami-Dade (County of); Series 2002 A, Aviation RB (INS-AGM) ^{(a)(e)}	5.38% 5.13%		2,000	2,024,500
Midtown Miami Community Development District; Series 2004 A,	5.15%	10/01/35	5,000	4,986,000
Special Assessment RB	6.00%	05/01/24	565	566,475
Orange (County of) Health Facilities Authority (Orlando Lutheran	0.00 //	03/01/24	505	500,475
Towers, Inc.); Series 2005, Ref. Health Care Facilities RB	5.38%	07/01/20	930	872,331
Overoaks Community Development District;	5.5070	01101120	200	072,331
Series 2004 A, Capital Improvement Special Assessment RB ⁽ⁱ⁾	6.13%	05/01/35	120	1
Series 2010 A-2, Capital Improvement Conv. CAB RB ^(f)	0.00%		130	87,452
Series 2010 B, Capital Improvement Conv. CAB RB ^(f)	0.00%	05/01/17	295	254,821
Palm Beach (County of) Health Facilities Authority (The Waterford);				,
Series 2007, RB	5.88%	11/15/37	1,100	1,080,563
Palm Beach (County of) Solid Waste Authority;				
Series 2009, Improvement RB (INS-BHAC) ^{(a)(b)}	5.50%	10/01/23	2,600	3,105,908
Series 2011, Ref. RB	5.00%	10/01/31	2,565	2,719,259
Putnam (County of) Development Authority (Seminole Electric				
Cooperative); Series 2007 A, Ref. PCR (INS-AMBAC) (a)(c)(d)	5.35%	05/01/18	3,250	3,583,482
Reunion East Community Development District; Series 2005, Special				
Assessment RB ⁽ⁱ⁾	5.80%	05/01/36	590	289,495
Seminole Indian Tribe of Florida;				
Series 2007 A, Special Obligation RB ^(g)	5.25%	10/01/27	400	366,892
Series 2007 A, Special Obligation RB ^(g)	5.75%	10/01/22	500	497,965
Seven Oaks Community Development District II; Series 2004 A, Special		05/01/05	00 <i>5</i>	(11.050
Assessment RB	5.88%	05/01/35	885	641,253
Sterling Hill Community Development District (Hernando County);	6 200	05/01/25	000	622 144
Series 2003 A, Capital Improvement Special Assessment RB	6.20%	05/01/35	800	633,144
Tolomato Community Development District;	LEEM	05/01/07	200	114 070
Series 2007, Special Assessment RB ⁽ⁱ⁾	6.55%	05/01/27	200	114,270
Series 2007, Special Assessment RB (i)	6.65%	05/01/40	1,125	586,395

Georgia 2.74%				
Atlanta (City of) (Beltline);				
Series 2009 B, Tax Allocation RB	6.75%	01/01/20	370	388,630
Series 2009 B, Tax Allocation RB	6.75%	01/01/20	675	708,986
Series 2009 B, Tax Allocation RB	7.38%	01/01/31	205	215,871
Atlanta (City of);				
Series 2004 C, Airport Passenger Facility Charge & Sub. Lien General				
RB (INS-AGM) ^{(a)(b)}	5.00%	01/01/33	3,500	3,565,660
Series 2009 A, Water & Wastewater RB	6.00%	11/01/27	1,200	1,373,316
Series 2009 A, Water & Wastewater RB	6.00%	11/01/28	1,300	1,477,307
Series 2009 A, Water & Wastewater RB	6.00%	11/01/29	1,200	1,354,968
Augusta-Richmond (County of); Series 2005 B, Airport Passenger				
Facility Charge RB ^(e)	5.35%	01/01/28	1,000	937,390
Burke (County of) Development Authority (Oglethorpe Power Vogtle);				
Series 2011 A, PCR ^{(c)(d)}	2.50%	03/01/13	1,710	1,736,077
DeKalb (County of) Hospital Authority (DeKalb Medical Center, Inc.);				
Series 2010, RAC	6.00%	09/01/30	1,000	1,033,920
Putnam (County of) Development Authority (Georgia Power Co.); First				
Series 1996, PCR	5.10%	06/01/23	1,500	1,532,955