Method:	**AgNO3**	**AgNO3**	**7/25/2012 11:17:32 AM**
Start time:	**7/25/2012 11:50:54 AM**		

Sample data

No.	Comment / ID	Start time	Sample size	Corr. f	Density
1/6	NaCl	7/25/2012 11:50:54 AM	0.03496 g	1.0	0 g/mL
2/6	NaCl	7/25/2012 11:56:52 AM	0.03608 g	1.0	0 g/mL
3/6	NaCl	7/25/2012 12:02:38 PM	0.03813 g	1.0	0 g/mL
4/6	NaCl	7/25/2012 12:08:30 PM	0.03993 g	1.0	0 g/mL
5/6	NaCl	7/25/2012 12:14:27 PM	0.03556 g	1.0	0 g/mL
6/6	NaCl	7/25/2012 12:20:19 PM	0.03677 g	1.0	0 g/mL

Results

No.	Comment / ID	Start time	Sample size and results		
1/6	NaCl	7/25/2012 11:50:54 AM	0.03496	g	
			R1 = 1.00521	--	Titer
2/6	NaCl	7/25/2012 11:56:52 AM	0.03608	g	
			R1 = 0.99966	--	Titer
3/6	NaCl	7/25/2012 12:02:38 PM	0.03813	g	
			R1 = 1.00211	--	Titer
4/6	NaCl	7/25/2012 12:08:30 PM	0.03993	g	
			R1 = 1.00142	--	Titer
5/6	NaCl	7/25/2012 12:14:27 PM	0.03556	g	
			R1 = 1.00251	--	Titer
6/6	NaCl	7/25/2012 12:20:19 PM	0.03677	g	
			R1 = 1.00460	--	Titer
-/-			R2 = 1.00258	--	Mean Titer

Titer

Titer	1.00258

Series comment

Statistics

Rx	Name	n	Mean value	Unit	s	srel [%]
R1	Titer	6	1.00258	--	0.00205	0.205
R2	Mean Titer	1	1.00258	--	NaN	NaN

Raw data

Sample

No.	1/6
Standard	NaCl
Type of standard	solid
Comment	
Titration stand	Rondolino TTL 1
Weight	m = 0.03496 g
Correction factor	f = 1.0

Method: AgNO3 AgNO3 **7/25/2012 11:17:32 AM**
Start time: 7/25/2012 11:50:54 AM

Purity	p = 100.00 %
Temperature	T = 25.0 oC
Sample start	7/25/2012 11:50:54 AM
Sample end	7/25/2012 11:56:51 AM

EQP titration [1]

Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256		
Sensor	DM141-SC		
Start potential		EST =	-78.5 mV
No. of EQPs and cand.		nEQ =	1
Consumption	EQP1	VEQ1 =	5.951190 mL
		Q1 =	0.572838 mmol
		EEQ1 =	79.4 mV
		EHNV1 =	-63.4 mV
Excess		VEX =	0.183310 mL
		QEX =	0.017645 mmol
End		VEND =	6.1345 mL
		QEND =	0.590482 mmol
Termination at	EQPs		
Time	t = 2:19 min		

Calculation

Result	R1 = 1.00521 -- Titer
Formula	R1=m/(VEQ*c*C)
Constant	M/(10*p*z)
	C = 0.05844
Molar mass	M[NaCl] = 58.44 g/mol
Equivalent number	z[NaCl] = 1
Duration	tUSE = 03:37 min

Measured values EQP titration [1]

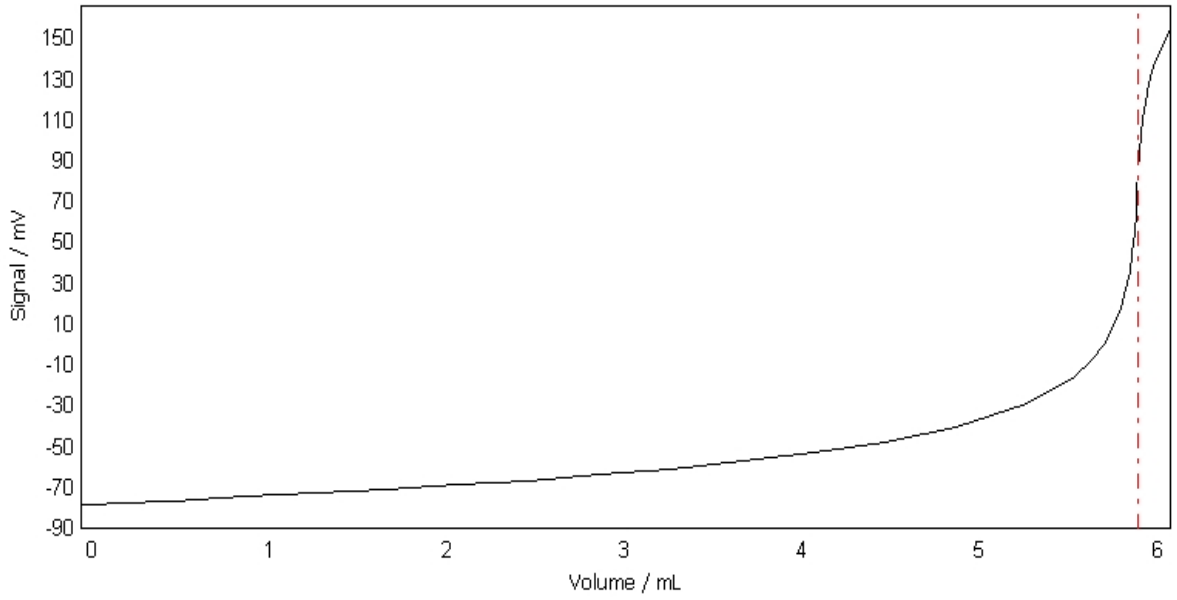
Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256
Sensor	DM141-SC
Sample	1/6

Volume mL	Increment mL	Signal mV	Change mV	1st deriv. mV/mL	Time s	Temperature oC
0.0000	NaN	-78.5	NaN	NaN	0	25.0
0.0080	0.0080	-78.6	-0.1	NaN	3	25.0
0.0160	0.0080	-78.6	0.0	NaN	6	25.0
0.0360	0.0200	-78.6	0.0	NaN	9	25.0
0.0860	0.0500	-78.4	0.2	NaN	12	25.0
0.2110	0.1250	-77.8	0.6	4.06	15	25.0
0.5235	0.3125	-76.5	1.3	4.30	18	25.0
0.9235	0.4000	-74.7	1.8	4.45	21	25.0
1.3235	0.4000	-72.9	1.8	4.66	24	25.0
1.7235	0.4000	-70.9	2.0	5.04	27	25.0
2.1235	0.4000	-68.8	2.1	5.54	30	25.0
2.5235	0.4000	-66.5	2.3	6.15	34	25.0
2.9235	0.4000	-63.8	2.7	6.92	36	25.0
3.3235	0.4000	-60.7	3.1	7.79	40	25.0
3.7235	0.4000	-57.2	3.5	8.98	43	25.0
4.1235	0.4000	-52.9	4.3	11.58	46	25.0
4.5235	0.4000	-47.5	5.4	16.74	49	25.0
4.9235	0.4000	-40.2	7.3	27.27	52	25.0
5.3235	0.4000	-29.2	11.0	51.35	55	25.0
5.5910	0.2675	-16.1	13.1	88.96	58	25.0
5.6955	0.1045	-7.4	8.7	125.64	61	25.0
5.7580	0.0625	-0.3	7.1	168.99	64	25.0
5.8160	0.0580	8.9	9.2	241.79	67	25.0
5.8570	0.0410	18.1	9.2	349.88	70	25.0
5.8850	0.0280	27.2	9.1	485.90	74	25.0
5.9045	0.0195	35.9	8.7	636.41	78	25.0
5.9190	0.0145	44.2	8.3	782.79	81	25.0
5.9310	0.0120	55.0	10.8	910.16	85	25.0

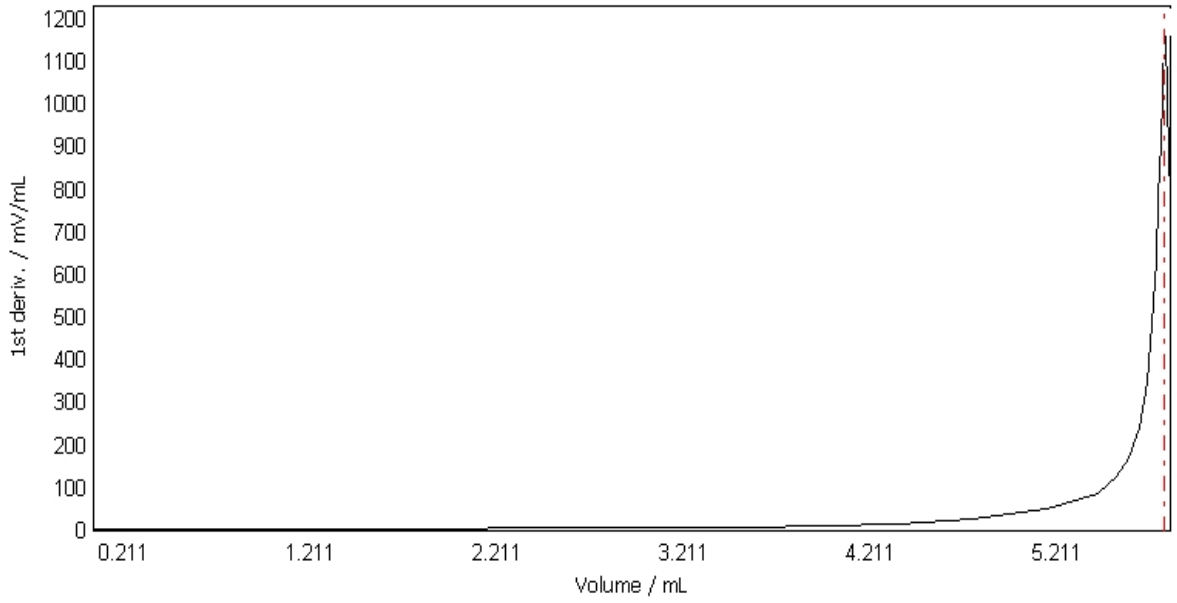
Method: **AgNO3** **AgNO3** **7/25/2012 11:17:32 AM**
Start time: **7/25/2012 11:50:54 AM**

	Volume mL	Increment mL	Signal mV	Change mV	1st deriv. mV/mL	Time s	Temperature oC
	5.9390	0.0080	63.9	8.9	1023.69	90	25.0
	5.9470	0.0080	74.0	10.1	1173.04	94	25.0
EQP1	5.951190	NaN	79.4	NaN	1175.06	NaN	NaN
	5.9550	0.0080	84.3	10.3	1171.53	98	25.0
	5.9630	0.0080	94.0	9.7	1013.74	102	25.0
	5.9710	0.0080	102.3	8.3	885.59	105	25.0
	5.9810	0.0100	110.6	8.3	777.95	108	25.0
	5.9945	0.0135	119.0	8.4	NaN	111	25.0
	6.0135	0.0190	127.7	8.7	NaN	114	25.0
	6.0400	0.0265	136.2	8.5	NaN	118	25.0
	6.0805	0.0405	145.6	9.4	NaN	120	25.0
	6.1345	0.0540	154.4	8.8	NaN	124	25.0

E - V curve **EQP titration [1]**
Sample 1/6



dE/dV - V curve **EQP titration [1]**
Sample 1/6



Method:	**AgNO3**	**AgNO3**	**7/25/2012 11:17:32 AM**
Start time:	**7/25/2012 11:50:54 AM**		

Raw data

Sample

No.	2/6
Standard	NaCl
Type of standard	solid
Comment	
Titration stand	Rondolino TTL 1
Weight	m = 0.03608 g
Correction factor	f = 1.0
Purity	p = 100.00 %
Temperature	T = 25.0 oC
Sample start	7/25/2012 11:56:52 AM
Sample end	7/25/2012 12:02:38 PM

EQP titration [1]

Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256	
Sensor	DM141-SC	
Start potential		EST = -80.1 mV
No. of EQPs and cand.		nEQ = 1
Consumption	EQP1	VEQ1 = 6.175954 mL
		Q1 = 0.594473 mmol
		EEQ1 = 77.6 mV
		EHNV1 = -64.8 mV
Excess		VEX = 0.219046 mL
		QEX = 0.021084 mmol
End		VEND = 6.3950 mL
		QEND = 0.615557 mmol
Termination at	EQPs	
Time	t = 2:17 min	

Calculation

Result	R1 = 0.99966 -- Titer
Formula	R1=m/(VEQ*c*C)
Constant	M/(10*p*z)
	C = 0.05844
Molar mass	M[NaCl] = 58.44 g/mol
Equivalent number	z[NaCl] = 1
Duration	tUSE = 03:23 min

Measured values EQP titration [1]

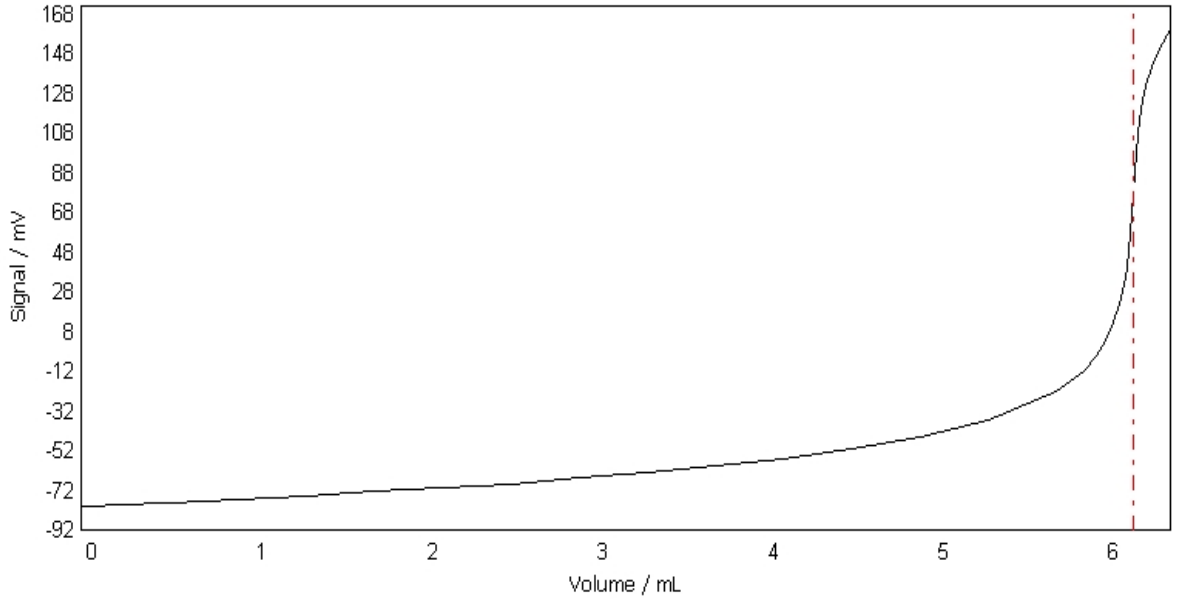
Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256
Sensor	DM141-SC
Sample	2/6

Volume mL	Increment mL	Signal mV	Change mV	1st deriv. mV/mL	Time s	Temperature oC
0.0000	NaN	-80.1	NaN	NaN	0	25.0
0.0080	0.0080	-80.2	-0.1	NaN	3	25.0
0.0160	0.0080	-80.2	0.0	NaN	6	25.0
0.0360	0.0200	-80.2	0.0	NaN	9	25.0
0.0860	0.0500	-80.0	0.2	NaN	12	25.0
0.2110	0.1250	-79.5	0.5	3.79	15	25.0
0.5235	0.3125	-78.2	1.3	4.13	18	25.0
0.9235	0.4000	-76.5	1.7	4.30	21	25.0
1.3235	0.4000	-74.7	1.8	4.48	24	25.0
1.7235	0.4000	-72.8	1.9	4.85	27	25.0
2.1235	0.4000	-70.8	2.0	5.36	30	25.0
2.5235	0.4000	-68.6	2.2	6.00	34	25.0
2.9235	0.4000	-66.0	2.6	6.65	36	25.0
3.3235	0.4000	-63.0	3.0	7.41	40	25.0

Method: **AgNO3** **AgNO3** **7/25/2012 11:17:32 AM**
Start time: **7/25/2012 11:50:54 AM**

	Volume mL	Increment mL	Signal mV	Change mV	1st deriv. mV/mL	Time s	Temperature oC
	3.7235	0.4000	-59.7	3.3	8.17	43	25.0
	4.1235	0.4000	-55.9	3.8	9.85	46	25.0
	4.5235	0.4000	-51.4	4.5	13.36	49	25.0
	4.9235	0.4000	-45.2	6.2	20.29	52	25.0
	5.3235	0.4000	-36.6	8.6	35.25	55	25.0
	5.7235	0.4000	-22.4	14.2	71.14	58	25.0
	5.8845	0.1610	-11.7	10.7	108.74	61	25.0
	5.9560	0.0715	-4.4	7.3	148.13	64	25.0
	6.0140	0.0580	3.7	8.1	200.73	67	25.0
	6.0615	0.0475	12.5	8.8	285.67	70	25.0
	6.0975	0.0360	21.9	9.4	408.90	73	25.0
	6.1225	0.0250	31.2	9.3	565.54	76	25.0
	6.1390	0.0165	40.0	8.8	729.82	79	25.0
	6.1510	0.0120	48.8	8.8	862.43	82	25.0
	6.1600	0.0090	57.7	8.9	964.33	86	25.0
	6.1680	0.0080	67.5	9.8	1122.53	90	25.0
EQP1	6.175954	NaN	77.6	NaN	1225.80	NaN	NaN
	6.1760	0.0080	77.7	10.2	1225.79	93	25.0
	6.1840	0.0080	88.6	10.9	1132.18	97	25.0
	6.1920	0.0080	98.0	9.4	961.79	100	25.0
	6.2010	0.0090	106.6	8.6	852.05	103	25.0
	6.2125	0.0115	114.8	8.2	726.59	107	25.0
	6.2295	0.0170	124.3	9.5	NaN	110	25.0
	6.2500	0.0205	131.9	7.6	NaN	113	25.0
	6.2865	0.0365	141.6	9.7	NaN	116	25.0
	6.3330	0.0465	150.8	9.2	NaN	119	25.0
	6.3950	0.0620	159.7	8.9	NaN	122	25.0

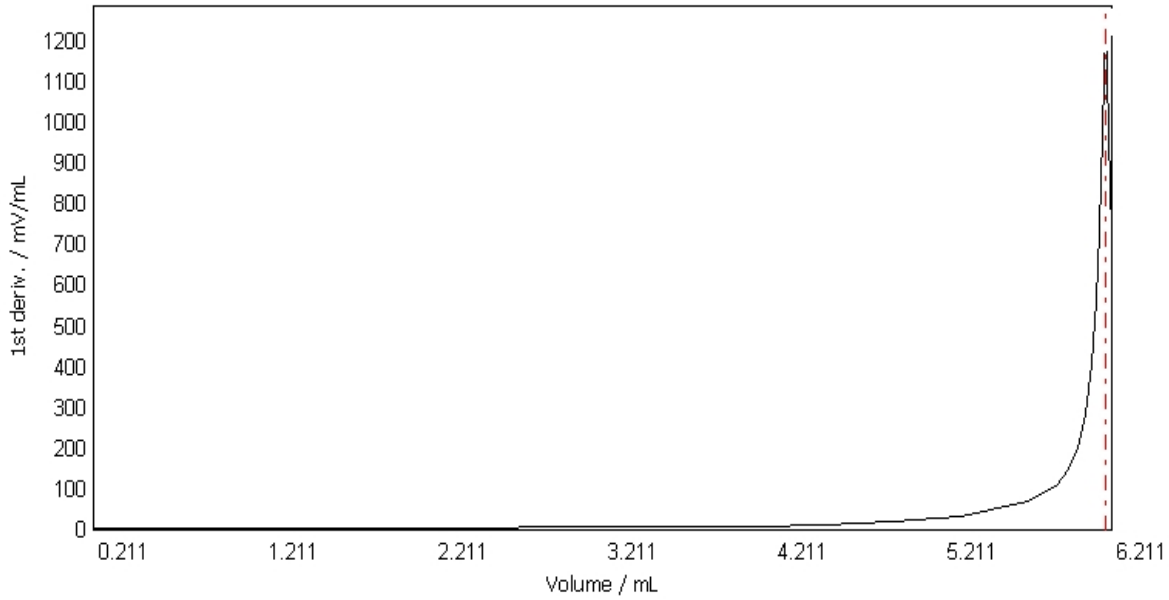
E - V curve **EQP titration [1]**
Sample 2/6



Method:	**AgNO3**	**AgNO3**	**7/25/2012 11:17:32 AM**
Start time:	**7/25/2012 11:50:54 AM**		

dE/dV - V curve EQP titration [1]

Sample 2/6



Raw data

Sample

No.	3/6
Standard	NaCl
Type of standard	solid
Comment	
Titration stand	Rondolino TTL 1
Weight	m = 0.03813 g
Correction factor	f = 1.0
Purity	p = 100.00 %
Temperature	T = 25.0 oC
Sample start	7/25/2012 12:02:38 PM
Sample end	7/25/2012 12:08:30 PM

EQP titration [1]

Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256	
Sensor	DM141-SC	
Start potential		EST = -80.3 mV
No. of EQPs and cand.		nEQ = 1
Consumption	EQP1	VEQ1 = 6.510877 mL
		Q1 = 0.626711 mmol
		EEQ1 = 78.7 mV
		EHNV1 = -64.8 mV
Excess		VEX = 0.222623 mL
		QEX = 0.021429 mmol
End		VEND = 6.7335 mL
		QEND = 0.648140 mmol
Termination at	EQPs	
Time	t = 2:22 min	

Calculation

Result	R1 = 1.00211 -- Titer
Formula	R1=m/(VEQ*c*C)
Constant	M/(10*p*z)
	C = 0.05844

Method:	**AgNO3**	**AgNO3**	**7/25/2012 11:17:32 AM**
Start time:	**7/25/2012 11:50:54 AM**		

Molar mass	M[NaCl] = 58.44 g/mol
Equivalent number	z[NaCl] = 1
Duration	tUSE = 03:29 min

Measured values EQP titration [1]

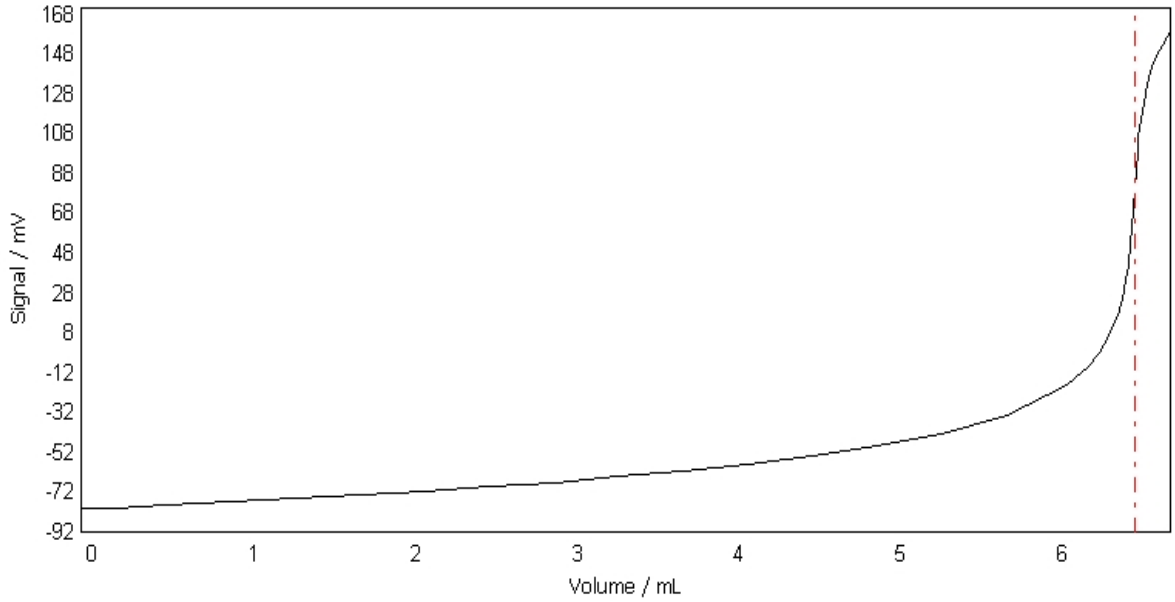
Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256
Sensor	DM141-SC
Sample	3/6

	Volume mL	Increment mL	Signal mV	Change mV	1st deriv. mV/mL	Time s	Temperature oC
	0.0000	NaN	-80.3	NaN	NaN	0	25.0
	0.0080	0.0080	-80.4	-0.1	NaN	3	25.0
	0.0160	0.0080	-80.4	0.0	NaN	6	25.0
	0.0360	0.0200	-80.3	0.1	NaN	9	25.0
	0.0860	0.0500	-80.2	0.1	NaN	12	25.0
	0.2110	0.1250	-79.7	0.5	3.58	15	25.0
	0.5235	0.3125	-78.5	1.2	3.87	18	25.0
	0.9235	0.4000	-76.9	1.6	4.06	21	25.0
	1.3235	0.4000	-75.2	1.7	4.31	24	25.0
	1.7235	0.4000	-73.4	1.8	4.62	27	25.0
	2.1235	0.4000	-71.5	1.9	5.03	30	25.0
	2.5235	0.4000	-69.4	2.1	5.57	34	25.0
	2.9235	0.4000	-67.0	2.4	6.11	36	25.0
	3.3235	0.4000	-64.4	2.6	6.78	40	25.0
	3.7235	0.4000	-61.4	3.0	7.58	43	25.0
	4.1235	0.4000	-58.0	3.4	8.39	46	25.0
	4.5235	0.4000	-54.2	3.8	10.43	49	25.0
	4.9235	0.4000	-49.1	5.1	14.53	52	25.0
	5.3235	0.4000	-42.6	6.5	22.44	55	25.0
	5.7235	0.4000	-33.3	9.3	39.74	58	25.0
	6.0980	0.3745	-18.4	14.9	78.33	61	25.0
	6.2295	0.1315	-8.7	9.7	114.69	64	25.0
	6.2960	0.0665	-1.7	7.0	154.21	67	25.0
	6.3560	0.0600	6.6	8.3	212.68	70	25.0
	6.4045	0.0485	16.8	10.2	308.17	73	25.0
	6.4335	0.0290	25.2	8.4	415.50	76	25.0
	6.4560	0.0225	34.1	8.9	544.89	79	25.0
	6.4725	0.0165	42.3	8.2	680.47	82	25.0
	6.4870	0.0145	52.6	10.3	819.05	86	25.0
	6.4960	0.0090	60.8	8.2	914.20	89	25.0
	6.5040	0.0080	70.1	9.3	1043.33	92	25.0
EQP1	6.510877	NaN	78.7	NaN	1125.56	NaN	NaN
	6.5120	0.0080	80.1	10.0	1125.36	97	25.0
	6.5200	0.0080	89.3	9.2	1028.68	100	25.0
	6.5285	0.0085	98.5	9.2	889.15	104	25.0
	6.5375	0.0090	106.3	7.8	795.60	107	25.0
	6.5505	0.0130	115.2	8.9	668.81	110	25.0
	6.5670	0.0165	123.6	8.4	NaN	113	25.0
	6.5905	0.0235	132.5	8.9	NaN	116	25.0
	6.6225	0.0320	141.4	8.9	NaN	119	25.0
	6.6670	0.0445	150.0	8.6	NaN	122	25.0
	6.7335	0.0665	158.9	8.9	NaN	125	25.0

Method:	**AgNO3**	**AgNO3**	**7/25/2012 11:17:32 AM**
Start time:	**7/25/2012 11:50:54 AM**		

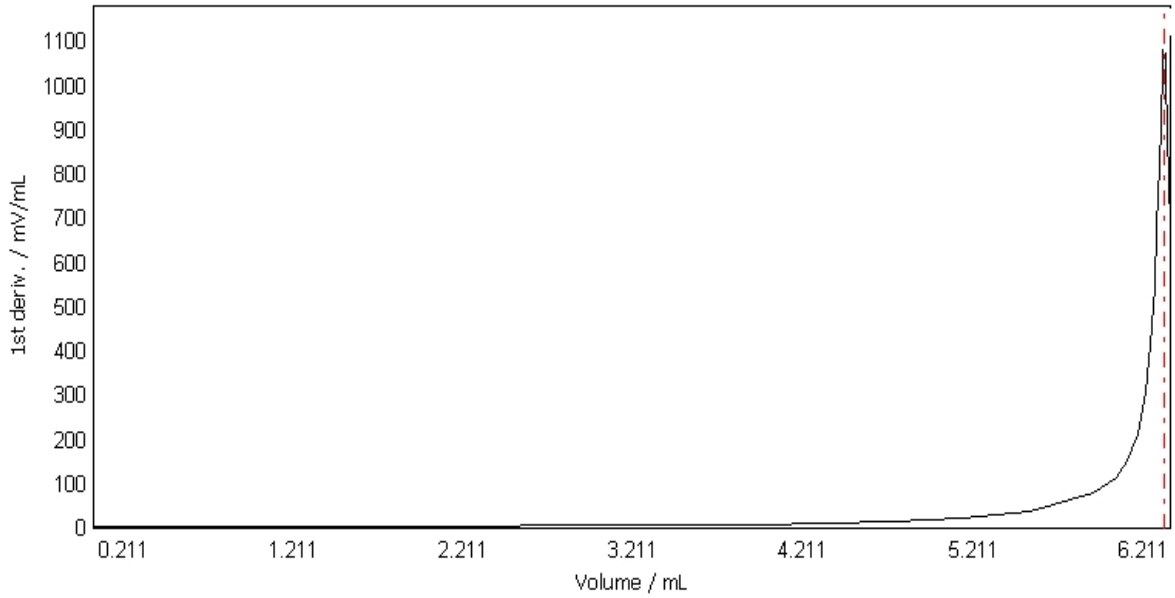
E - V curve EQP titration [1]

Sample 3/6



dE/dV - V curve EQP titration [1]

Sample 3/6



Raw data

Sample

No.	4/6
Standard	NaCl
Type of standard	solid
Comment	
Titration stand	Rondolino TTL 1
Weight	m = 0.03993 g
Correction factor	f = 1.0
Purity	p = 100.00 %

Method: AgNO3 AgNO3 **7/25/2012 11:17:32 AM**
Start time: 7/25/2012 11:50:54 AM

Temperature	T = 25.0 oC	
Sample start	7/25/2012 12:08:30 PM	
Sample end	7/25/2012 12:14:27 PM	

EQP titration [1]

Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256	
Sensor	DM141-SC	
Start potential		EST = -82.5 mV
No. of EQPs and cand.		nEQ = 1
Consumption	EQP1	VEQ1 = 6.822947 mL
		Q1 = 0.656750 mmol
		EEQ1 = 78.4 mV
		EHNV1 = -67.3 mV
Excess		VEX = 0.170053 mL
		QEX = 0.016369 mmol
End		VEND = 6.9930 mL
		QEND = 0.673118 mmol
Termination at	EQPs	
Time	t = 2:25 min	

Calculation

Result	R1 = 1.00142 -- Titer
Formula	R1=m/(VEQ*c*C)
Constant	M/(10*p*z)
	C = 0.05844
Molar mass	M[NaCl] = 58.44 g/mol
Equivalent number	z[NaCl] = 1
Duration	tUSE = 03:31 min

Measured values EQP titration [1]

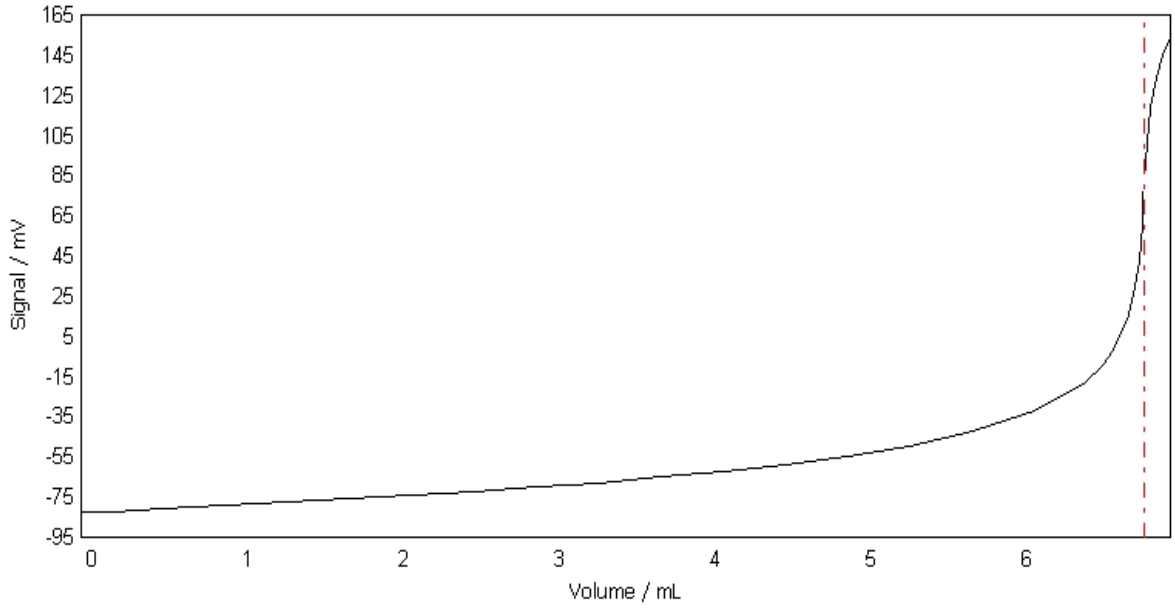
Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256
Sensor	DM141-SC
Sample	4/6

Volume mL	Increment mL	Signal mV	Change mV	1st deriv. mV/mL	Time s	Temperature oC
0.0000	NaN	-82.5	NaN	NaN	0	25.0
0.0080	0.0080	-82.7	-0.2	NaN	3	25.0
0.0160	0.0080	-82.7	0.0	NaN	6	25.0
0.0360	0.0200	-82.6	0.1	NaN	9	25.0
0.0860	0.0500	-82.5	0.1	NaN	12	25.0
0.2110	0.1250	-82.0	0.5	3.36	15	25.0
0.5235	0.3125	-80.9	1.1	3.74	18	25.0
0.9235	0.4000	-79.3	1.6	3.87	21	25.0
1.3235	0.4000	-77.7	1.6	4.05	24	25.0
1.7235	0.4000	-76.0	1.7	4.27	27	25.0
2.1235	0.4000	-74.3	1.7	4.60	30	25.0
2.5235	0.4000	-72.4	1.9	5.03	34	25.0
2.9235	0.4000	-70.2	2.2	5.52	36	25.0
3.3235	0.4000	-67.9	2.3	6.12	40	25.0
3.7235	0.4000	-65.2	2.7	6.85	43	25.0
4.1235	0.4000	-62.2	3.0	7.69	46	25.0
4.5235	0.4000	-58.9	3.3	8.69	49	25.0
4.9235	0.4000	-54.6	4.3	11.07	52	25.0
5.3235	0.4000	-49.4	5.2	15.65	55	25.0
5.7235	0.4000	-42.5	6.9	24.84	58	25.0
6.1235	0.4000	-32.4	10.1	45.17	61	25.0
6.4410	0.3175	-18.4	14.0	83.65	64	25.0
6.5565	0.1155	-9.5	8.9	119.78	67	25.0
6.6245	0.0680	-1.9	7.6	163.78	70	25.0
6.6790	0.0545	6.2	8.1	225.34	73	25.0
6.7250	0.0460	15.7	9.5	329.88	76	25.0
6.7565	0.0315	25.7	10.0	475.67	80	25.0
6.7750	0.0185	33.8	8.1	626.18	83	25.0
6.7900	0.0150	42.9	9.1	781.17	86	25.0
6.8005	0.0105	51.0	8.1	886.56	89	25.0

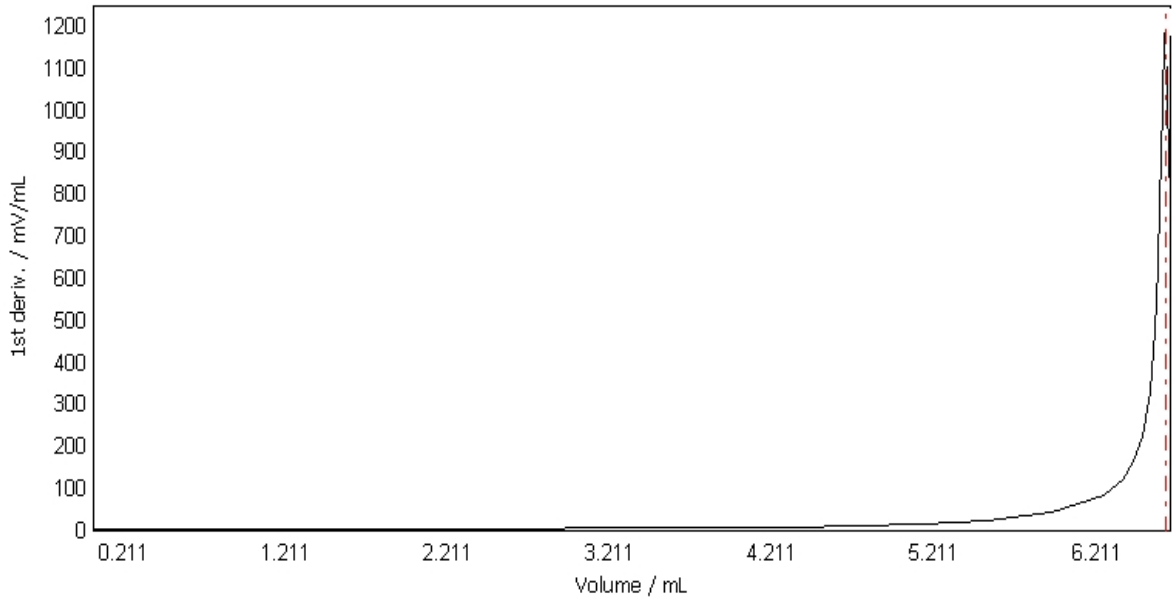
Method: **AgNO3** **AgNO3** **7/25/2012 11:17:32 AM**
Start time: **7/25/2012 11:50:54 AM**

	Volume mL	Increment mL	Signal mV	Change mV	1st deriv. mV/mL	Time s	Temperature oC
	6.8100	0.0095	60.6	9.6	1014.49	93	25.0
	6.8180	0.0080	71.5	10.9	1180.79	98	25.0
EQP1	6.822947	NaN	78.4	NaN	1190.17	NaN	NaN
	6.8260	0.0080	82.6	11.1	1188.36	103	25.0
	6.8340	0.0080	92.4	9.8	1023.86	106	25.0
	6.8425	0.0085	101.1	8.7	893.56	110	25.0
	6.8530	0.0105	109.5	8.4	783.61	113	25.0
	6.8670	0.0140	118.5	9.0	NaN	116	25.0
	6.8850	0.0180	126.6	8.1	NaN	119	25.0
	6.9130	0.0280	136.2	9.6	NaN	122	25.0
	6.9475	0.0345	145.2	9.0	NaN	125	25.0
	6.9930	0.0455	153.5	8.3	NaN	128	25.0

E - V curve **EQP titration [1]**
Sample 4/6



dE/dV - V curve **EQP titration [1]**
Sample 4/6



Method:	**AgNO3**	**AgNO3**	**7/25/2012 11:17:32 AM**
Start time:	**7/25/2012 11:50:54 AM**		

Raw data

Sample

No.	5/6
Standard	NaCl
Type of standard	solid
Comment	
Titration stand	Rondolino TTL 1
Weight	m = 0.03556 g
Correction factor	f = 1.0
Purity	p = 100.00 %
Temperature	T = 25.0 oC
Sample start	7/25/2012 12:14:27 PM
Sample end	7/25/2012 12:20:18 PM

EQP titration [1]

Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256	
Sensor	DM141-SC	
Start potential		EST = -80.8 mV
No. of EQPs and cand.		nEQ = 1
Consumption	EQP1	VEQ1 = 6.069610 mL
		Q1 = 0.584236 mmol
		EEQ1 = 78.4 mV
		EHNV1 = -65.3 mV
Excess		VEX = 0.206390 mL
		QEX = 0.019866 mmol
End		VEND = 6.2760 mL
		QEND = 0.604103 mmol
Termination at	EQPs	
Time	t = 2:19 min	

Calculation

Result	R1 = 1.00251 -- Titer
Formula	R1=m/(VEQ*c*C)
Constant	M/(10*p*z)
	C = 0.05844
Molar mass	M[NaCl] = 58.44 g/mol
Equivalent number	z[NaCl] = 1
Duration	tUSE = 03:25 min

Measured values EQP titration [1]

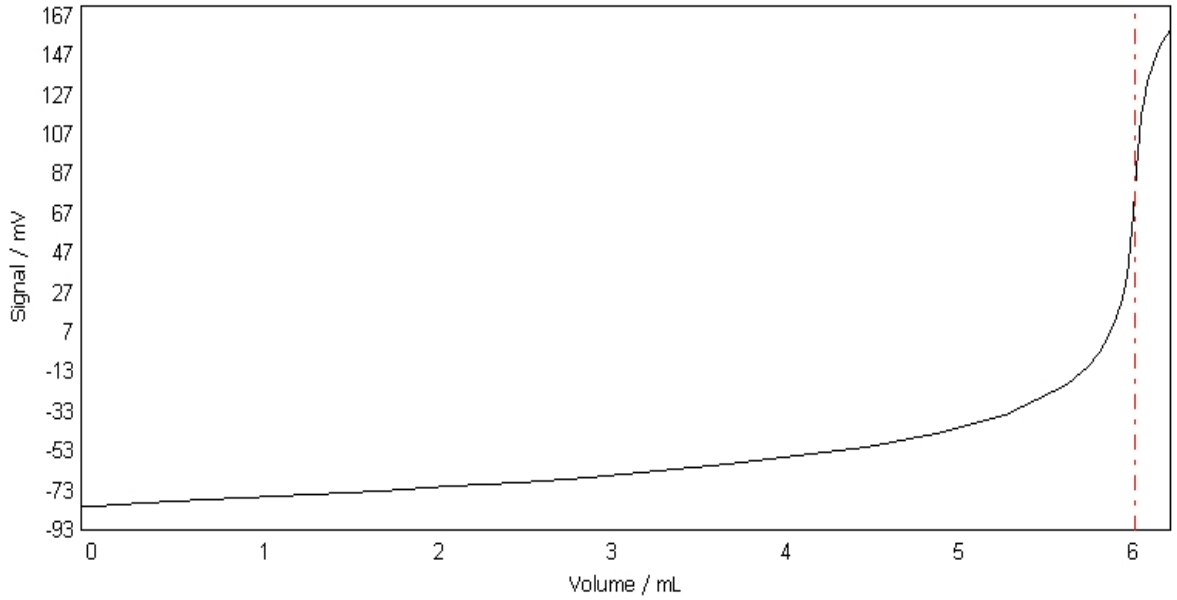
Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256
Sensor	DM141-SC
Sample	5/6

Volume mL	Increment mL	Signal mV	Change mV	1st deriv. mV/mL	Time s	Temperature oC
0.0000	NaN	-80.8	NaN	NaN	0	25.0
0.0080	0.0080	-80.9	-0.1	NaN	3	25.0
0.0160	0.0080	-80.9	0.0	NaN	6	25.0
0.0360	0.0200	-80.8	0.1	NaN	9	25.0
0.0860	0.0500	-80.7	0.1	NaN	12	25.0
0.2110	0.1250	-80.1	0.6	3.97	15	25.0
0.5235	0.3125	-78.8	1.3	4.20	18	25.0
0.9235	0.4000	-77.1	1.7	4.38	21	25.0
1.3235	0.4000	-75.3	1.8	4.63	24	25.0
1.7235	0.4000	-73.3	2.0	5.02	27	25.0
2.1235	0.4000	-71.2	2.1	5.57	30	25.0
2.5235	0.4000	-68.9	2.3	6.26	34	25.0
2.9235	0.4000	-66.2	2.7	6.96	36	25.0
3.3235	0.4000	-63.1	3.1	7.76	40	25.0

Method: **AgNO3** **AgNO3** **7/25/2012 11:17:32 AM**
Start time: **7/25/2012 11:50:54 AM**

	Volume mL	Increment mL	Signal mV	Change mV	1st deriv. mV/mL	Time s	Temperature oC
	3.7235	0.4000	-59.6	3.5	8.56	43	25.0
	4.1235	0.4000	-55.5	4.1	10.63	46	25.0
	4.5235	0.4000	-50.7	4.8	14.80	49	25.0
	4.9235	0.4000	-44.0	6.7	23.21	52	25.0
	5.3235	0.4000	-34.5	9.5	41.93	55	25.0
	5.6775	0.3540	-19.7	14.8	81.83	58	25.0
	5.8020	0.1245	-10.3	9.4	119.05	61	25.0
	5.8680	0.0660	-2.9	7.4	162.60	64	25.0
	5.9215	0.0535	4.9	7.8	224.33	67	25.0
	5.9685	0.0470	15.0	10.1	328.24	70	25.0
	5.9975	0.0290	24.3	9.3	449.53	73	25.0
	6.0160	0.0185	32.1	7.8	573.96	76	25.0
	6.0325	0.0165	41.1	9.0	721.40	80	25.0
	6.0450	0.0125	51.1	10.0	855.41	84	25.0
	6.0530	0.0080	58.5	7.4	953.34	87	25.0
	6.0615	0.0085	67.4	8.9	1114.37	90	25.0
	6.0695	0.0080	78.3	10.9	1197.95	94	25.0
EQP1	6.069610	NaN	78.4	NaN	1197.96	NaN	NaN
	6.0775	0.0080	87.8	9.5	1107.73	97	25.0
	6.0860	0.0085	98.8	11.0	956.71	101	25.0
	6.0940	0.0080	106.3	7.5	860.39	105	25.0
	6.1075	0.0135	116.4	10.1	721.35	108	25.0
	6.1225	0.0150	124.4	8.0	NaN	111	25.0
	6.1460	0.0235	133.8	9.4	NaN	114	25.0
	6.1755	0.0295	142.6	8.8	NaN	117	25.0
	6.2170	0.0415	151.4	8.8	NaN	120	25.0
	6.2760	0.0590	159.8	8.4	NaN	123	25.0

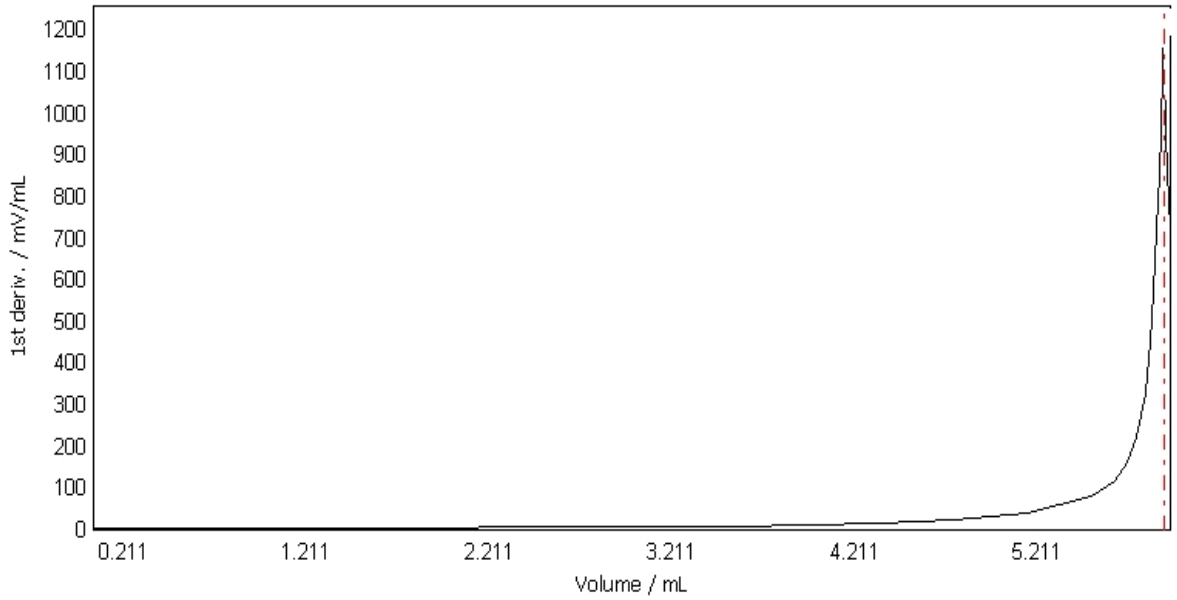
E - V curve **EQP titration [1]**
Sample 5/6



Method:	**AgNO3**	**AgNO3**	**7/25/2012 11:17:32 AM**
Start time:	**7/25/2012 11:50:54 AM**		

dE/dV - V curve EQP titration [1]

Sample 5/6



Raw data

Sample

No.	6/6
Standard	NaCl
Type of standard	solid
Comment	
Titration stand	Rondolino TTL 1
Weight	m = 0.03677 g
Correction factor	f = 1.0
Purity	p = 100.00 %
Temperature	T = 25.0 oC
Sample start	7/25/2012 12:20:19 PM
Sample end	7/25/2012 12:24:05 PM

EQP titration [1]

Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256	
Sensor	DM141-SC	
Start potential		EST = -79.9 mV
No. of EQPs and cand.		nEQ = 1
Consumption	EQP1	VEQ1 = 6.263138 mL
		Q1 = 0.602865 mmol
		EEQ1 = 76.4 mV
		EHNV1 = -64.3 mV
Excess		VEX = 0.185862 mL
		QEX = 0.017890 mmol
End		VEND = 6.4490 mL
		QEND = 0.620755 mmol
Termination at	EQPs	
Time	t = 2:19 min	

Calculation

Result	R1 = 1.00460 -- Titer
Formula	R1=m/(VEQ*c*C)
Constant	M/(10*p*z)
	C = 0.05844

Method: **AgNO3** **AgNO3** **7/25/2012 11:17:32 AM**
Start time: **7/25/2012 11:50:54 AM**

Molar mass	M[NaCl] = 58.44 g/mol
Equivalent number	z[NaCl] = 1
Duration	tUSE = 03:24 min

Measured values **EQP titration [1]**

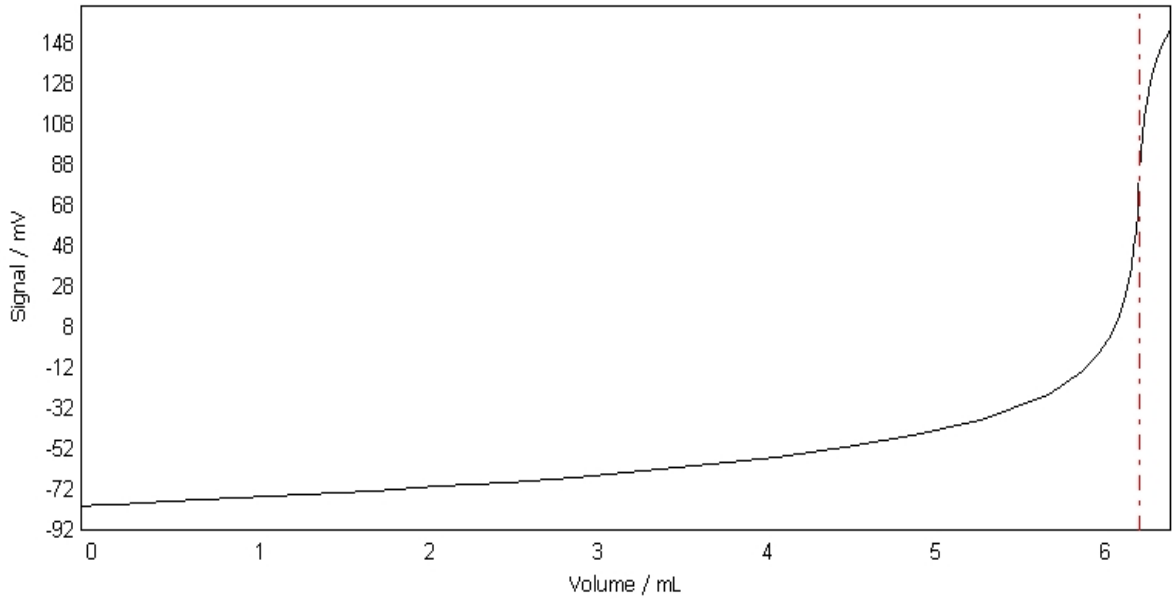
Titrant	AgNO3 c = 0.1 mol/L TITER = 0.96256
Sensor	DM141-SC
Sample	6/6

	Volume mL	Increment mL	Signal mV	Change mV	1st deriv. mV/mL	Time s	Temperature oC
	0.0000	NaN	-79.9	NaN	NaN	0	25.0
	0.0080	0.0080	-80.0	-0.1	NaN	3	25.0
	0.0160	0.0080	-80.0	0.0	NaN	6	25.0
	0.0360	0.0200	-80.0	0.0	NaN	9	25.0
	0.0860	0.0500	-79.8	0.2	NaN	12	25.0
	0.2110	0.1250	-79.3	0.5	3.82	15	25.0
	0.5235	0.3125	-78.0	1.3	4.12	18	25.0
	0.9235	0.4000	-76.3	1.7	4.35	21	25.0
	1.3235	0.4000	-74.5	1.8	4.57	24	25.0
	1.7235	0.4000	-72.6	1.9	4.90	27	25.0
	2.1235	0.4000	-70.5	2.1	5.37	30	25.0
	2.5235	0.4000	-68.3	2.2	5.96	34	25.0
	2.9235	0.4000	-65.8	2.5	6.58	36	25.0
	3.3235	0.4000	-62.9	2.9	7.28	40	25.0
	3.7235	0.4000	-59.6	3.3	8.05	43	25.0
	4.1235	0.4000	-55.9	3.7	9.53	46	25.0
	4.5235	0.4000	-51.6	4.3	12.48	49	25.0
	4.9235	0.4000	-45.8	5.8	18.41	52	25.0
	5.3235	0.4000	-37.8	8.0	30.91	55	25.0
	5.7235	0.4000	-25.2	12.6	60.30	58	25.0
	5.9250	0.2015	-14.1	11.1	95.77	61	25.0
	6.0190	0.0940	-5.7	8.4	132.53	64	25.0
	6.0815	0.0625	1.8	7.5	179.24	67	25.0
	6.1375	0.0560	10.8	9.0	257.58	70	25.0
	6.1795	0.0420	21.0	10.2	376.59	73	25.0
	6.2040	0.0245	30.2	9.2	509.51	76	25.0
	6.2195	0.0155	37.7	7.5	635.99	80	25.0
	6.2340	0.0145	47.2	9.5	776.17	83	25.0
	6.2440	0.0100	55.3	8.1	871.83	87	25.0
	6.2530	0.0090	64.0	8.7	1002.80	90	25.0
	6.2610	0.0080	73.5	9.5	1129.38	93	25.0
EQP1	6.263138	NaN	76.4	NaN	1130.19	NaN	NaN
	6.2690	0.0080	84.3	10.8	1098.35	97	25.0
	6.2770	0.0080	93.5	9.2	963.68	101	25.0
	6.2860	0.0090	102.1	8.6	848.05	105	25.0
	6.2975	0.0115	111.0	8.9	738.02	108	25.0
	6.3120	0.0145	119.5	8.5	NaN	111	25.0
	6.3325	0.0205	128.6	9.1	NaN	114	25.0
	6.3590	0.0265	137.2	8.6	NaN	117	25.0
	6.3975	0.0385	146.3	9.1	NaN	120	25.0
	6.4490	0.0515	154.7	8.4	NaN	123	25.0

Method:	**AgNO3**	**AgNO3**	**7/25/2012 11:17:32 AM**
Start time:	**7/25/2012 11:50:54 AM**		

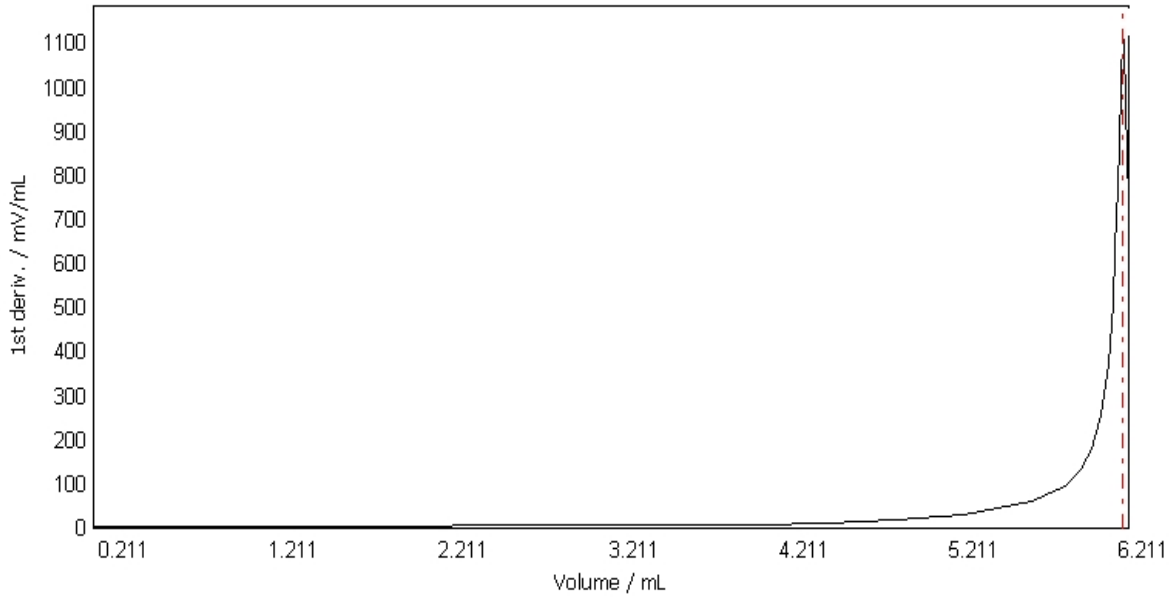
E - V curve **EQP titration [1]**

Sample 6/6



dE/dV - V curve **EQP titration [1]**

Sample 6/6



Raw data

Calculation

Result	R2 = 1.00258 -- Mean Titer
Formula	R2=Mean[R1]
Constant	1
	C = 1
Molar mass	M[None] = 1 g/mol
Equivalent number	z[None] = 1

Method:	**AgNO3**	**AgNO3**	**7/25/2012 11:17:32 AM**
Start time:	**7/25/2012 11:50:54 AM**		

Titer

Titrant	AgNO3 c = 0.1 mol/L
Titer	1.00258

(1) Modified
(2) Excluded
(3) Outside limits
(4) Resource expired
(5) srel above max srel
(6) srel above max srel for multiple determination
(7) Value outside limits, not saved in setup
(8) Sample data outside limits
(9) Standard evaluation used
(10) Result from buffer

Created: **- (Administrator), 7/25/2012 11:56:51 AM**