

CHEMICAL DATA - Analytes tested for in a lab, 2013 - MVTL, New Ulm

MMCC1 - Middle Minnesota Watershed - Crow Creek at Noble Ave. -

STORET CODE - S005-628

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	TP MG/L	E.COLI /100mL	Ammonia Mg/L	Hardness mg/L as CaCO3	Sulfate mg/L	Chloride mg/L	Calcium mg/L	Magnesium mg/L
	Grab	5/2/2013	8:55		13-A14675	6	2	0.9	13	0.029		<0.16	379	87.1	44.3		
	Grab	5/17/2013	8:50		13-A17781	3	3	1.4	9.7	0.029		<0.16	349	94.9	47.8	69.5	42.7
	Grab	6/5/2013	8:35		13-A21012	5	4	1.1	6.1	0.115		<0.16	393	84.5	53.4	87	42.8
	Grab	6/24/2013	16:45		13-A24996	24	14	2.2	19.6	0.341	461.1*	0.51	310	62.5	17.1	71.5	32
	Grab	7/3/2013	9:25		13-A26792	3	3	1.4	21.9^	0.072	547.5	<0.16	412	76.4	28	93.2	43.6
	Grab	7/11/2013	10:15		13-A28278						770.1						
	Grab	7/25/2013	8:40		13-A31074	4	3	1.3	3.13	0.068	770.1	<0.16	350	75.9	38.8	70.7	42.2
	Grab	8/9/2013	9:15		13-A33867	2	2	1	1.61	0.139~	435.2	<0.16	289	55.0~	38.1	69	28.4
	Grab	8/16/2013	9:40		13-A35252						231						
	Grab	8/23/2013	9:45		13-A36415	11	7	1.4	<0.2	0.138	410.6	<0.16	331	58.5	51.4		
	Grab	9/6/2013	10:50		13-A38427	6	3	1.0	0.22	0.291		<0.16	256	51	40.2		
	Grab	9/20/2013	9:10		13-A40616	16	12	0.5	0.79	0.135		<0.16	122	30.6	11.4	31.7	10.4
	Dup	9/20/2013	9:11		13-A40620	16	14	0.6	0.81	0.138		<0.16		30.3	11.3		

* = Holding Time Exceeded

^ = sample diluted due to result above calibration or linear range ~ = Reporting limit elevated due to instrument performance at the RL

CHEMICAL DATA - Analytes tested for in a lab, 2013 - MVTL, New Ulm

MMBC - Middle Minnesota Watershed - Birch Coulee Creek along St. Hwy 19 in MN River Valley -

STORET CODE - S005-662

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	TP MG/L	E.COLI /100mL	Ammonia Mg/L	Hardness mg/L as CaCO3	Sulfate mg/L	Chloride mg/L	Calcium mg/L	Magnesium mg/L
	Grab	5/2/2013	9:20		13-A14676	6	2	0.8	6.40	0.047		<0.16	326	104	14.2		
	Grab	5/17/2013	9:15		13-A17782	3	3	1.1	2.24	0.035		<0.16	389	145	18	83.4	44
	Grab	6/5/2013	9:00		13-A21013	3	3	1	1.77	0.044		<0.16	469	154	17.1	106	49.5
	Grab	6/24/2013	16:25		13-A24997	186	28	1.8	14.70	0.515	1203.3*	0.37	270	44.1	11.9	66.6	25.1
	Grab	7/3/2013	9:50		13-A26793	12	6	1.4	22.5^	0.163	410.6	<0.16	459	91.7	23.1	105	47.7
	Grab	7/11/2013	10:40		13-A28279						261.3						
	Grab	7/25/2013	9:05		13-A31075	3	3	1.4	3.45	0.045	204.6	<0.16	414	142	16.3	90.5	45.6
	Grab	8/9/2013	9:40		13-A33868	2	2	0.9	0.57	0.030~	249.5	<0.16	476	139~	15.4	109	49.6
	Grab	8/16/2013	10:05		13-A35253						95.9						
	Grab	8/23/2013	10:15		13-A36416	2	2	0.7	0.32	0.046	86.5	<0.16	460	164	12.4		
	Grab	9/6/2013	11:10		13-A38428	5	2	0.5	<0.2	0.057		<0.16	419	179	10.3		
	Grab	9/20/2013	9:35		13-A40617	30	13	0.5	0.36	0.104		<0.16	366	158	7.5	81.4	39.5
	Dup	9/20/2013	9:36		13-A40625	26	12	0.6	0.36	0.104		<0.16		159	7.6		

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CHEMICAL DATA - Analytes tested for in a lab, 2013 - MVTL, New Ulm

MMWC - Middle Minnesota Watershed - Wabasha Creek at Co. Hwy 11 in MN River Valley -

STORET CODE - S005-627

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	TP MG/L	E.COLI /100mL	Ammonia Mg/L	Hardness mg/L as CaCO3	Sulfate mg/L	Chloride mg/L	Calcium mg/L	Magnesium mg/L
	Grab	5/2/2013	9:45		13-A14677	9	3	1.2	5.67	0.053		<0.16	368	127	50.8		
	Grab	5/17/2013	9:40		13-A17783	4	4	1.3	1.10	0.067		<0.16	390	148	65.4	80.8	45.6
	Grab	6/5/2013	9:20		13-A21014	4	4	0.8	0.70	0.167		0.17	479	137	76.2	110	49.7
	Grab	6/24/2013	16:05		13-A24998	20	12	1.7	10.70	0.281	547.5*	0.51	324	136	14.7	72.2	34.9
	Grab	7/11/2013	11:05		13-A28281	8	3	1.3	5.07	0.067	524.7	0.23	410	133	59.1	86.9	46.9
	Grab	7/25/2013	9:30		13-A31076	7	5	1.6	<0.2	0.143	816.4	<0.16	393	137	49.9	82.1	45.6
	Grab	8/9/2013	10:00		13-A33869	10	5	1.1	<0.2	0.258~	1046.2	<0.16	480	166~	146	109	50.4
	Grab	8/16/2013	10:20		13-A35254						275.5						
	Grab	8/23/2013	10:35		13-A36417	10	4	0.7	<0.2	0.196	1986.3	<0.16	441	143	47		
	Grab	9/6/2013	11:35		13-A38429	7	4	0.5	<0.2	0.159		<0.16	415	145	34.9		
	Grab	9/20/2013	10:00		13-A40618	9	8	0.6	<0.2	0.118		<0.16	423	145	60	97.1	43.9
	Dup	9/20/2013	10:01		13-A40626	13	11	0.5	<0.2	0.118		<0.16		146	59.8		

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CHEMICAL DATA - Analytes tested for in a lab, 2013 - MVTL, New Ulm

MMSC - Middle Minnesota Watershed - Spring Creek @ Co. Hwy 10 in MN River Valley

STORET CODE - S005-625

FLOW TYPE	SAMP TYPE	DATE	TIME	FLOW (ft ³ /sec)	LAB SAMPLE ID #	TSS MG/L	TSVS MG/L	TKN MG/L	N-NO2+NO3 MG/L	TP MG/L	E.COLI /100mL	Ammonia Mg/L	Hardness mg/L as CaCO3	Sulfate mg/L	Chloride mg/L	Calcium mg/L	Magnesium mg/L
	Grab	5/2/2013	10:25		13-A14678	6	2	0.7	3.75	0.025		<0.16	393	136	19.7		
	Grab	5/17/2013	10:15		13-A17784	6	6	1.3	2.24	0.032		0.28	435	174	22.8	95.7	47.6
	Grab	6/5/2013	9:55		13-A21015	3	3	1	3.77	0.07		<0.16	544	189	18.5	128	54.4
	Grab	6/24/2013	15:30		13-A24999	1380	210	6.7	17.7	1.20	>2419.6*	0.51	378	36.4	15.3	90	37.2
	Grab	7/3/2013	10:35		13-A26794	13	5	1.9	22.0^	0.175	547.5	<0.16	449	74.7	28.2	105	45.4
	Grab	7/11/2013	11:40		13-A28280						325.5						
	Grab	7/25/2013	10:10		13-A31077	<2	<2	1.7	2.51	0.027	261.3	<0.16	446	190	14.4	94.6	51
	Grab	8/9/2013	10:40		13-A33870	<2	<2	0.7	2.04	0.023~	191.8	<0.16	419	208~	11	90.3	46.9
	Grab	8/16/2013	10:50		13-A35255						56.3						
	Grab	8/23/2013	11:15		13-A36418	10	5	0.7	1.94	0.069	1732.9	<0.16	475	180	11		
	Grab	9/6/2013	12:05		13-A38430	5	3	0.5	2.02	0.038		<0.16	416	237	8.4		
	Grab	9/20/2013	10:35		13-A40619	6	6	0.7	2.17	0.029		<0.16	424	215	7.7	91.2	47.6
	Dup	9/20/2013	10:36		13-A40627	10	10	0.5	2.19	0.03		<0.16		215	7.7		

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