

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

PLC001 - Primary Lower Cottonwood River near New Ulm - Non-impacted stream/Western Corn Belt Plains

STORET CODE - S001-918

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	P-PO4 MG/L	TP MG/L	TURBIDITY NTU
Base	Grab	1/15/2013	15:15		13-A2214	5	3	0.5	1.87	0.009*	0.018	1.9
Base	Grab	2/13/2013	11:45		13-A5037	2	2	0.9	1.68	0.011*	0.017	3.8
Snowmelt	Grab	3/28/2013	14:50		13-A9365	234	28	3.4	1.35	0.479*	0.886	140
Snowmelt	Grab	4/3/2013	14:15		13-A10196	86	16	1.8	1.50	0.149*	0.293	67
Base	Grab	4/16/2013	15:00		13-A12289	25	10	1.4	2.40	0.061*	0.180	16
Storm Event	Grab	4/23/2013	16:20		13-A13239	38	12	1.2	5.31	0.067*	0.187	19
Storm Event	Grab	4/26/2013	12:45		13-A13894	25	5	1.5	5.49	0.069*	0.168	18
Storm Event	Grab	4/29/2013	15:20		13-A14068	226	36	2.0	6.35	0.062*	0.303	130
Storm Event	Grab	5/3/2013	10:40		13-A14971	104	18	1.8	4.70	0.054*	0.213	73
Base	Grab	5/7/2013	15:20		13-A15513	56	18	2.0	2.82	<0.02*	0.133	39
Storm Event	Grab	5/21/2013	13:10		13-A18298	178	36	2.9	5.58	0.036*	0.167	120
Base	Grab	6/11/2013	15:15		13-A22187	63	14	1.9	3.64	<0.005*	0.111	33
Storm Event	Grab	6/13/2013	11:55		13-A22868	185	24	2.1	9.62	0.071*	0.295	88
Storm Event	Dup	6/13/2013	11:56		13-A22870	153	23		9.60		0.284	84
Storm Event	Grab	6/17/2013	12:45		13-A23429	128	20	1.9	13.20	0.089*	0.194	67
Storm Event	Grab	6/24/2013	13:55		13-A24655	590	100	3.1	14.10	0.122*	0.599	320
Storm Event	Grab	6/25/2013	14:30		13-A24995	380	52	2.8	14.40	0.146*	0.487	230
Storm Event	Grab	6/27/2013	15:35		13-A25790	248	36	2.4	13.80	0.146*	0.386	140
Storm Event	Grab	7/2/2013	15:20		13-A26532	113	19	1.9	11.40	0.091*	0.244	59
Storm Event	Grab	7/10/2013	13:50		13-A27897	51	13	1.7	7.68	0.030	0.150	29
Base	Grab	7/30/2013	14:05		13-A31855	35	11	1.1	0.28	0.006	0.062	23
Base	Grab	8/15/2013	15:35		13-A35092	28	11	0.9	<0.2	<0.02	0.060	18
Base	Grab	9/18/2013	15:20		13-A40168	22	10	0.7	0.36	0.007	0.051	9.4
Base	Dup	9/18/2013	15:21		13-A40172	21	11	0.8	0.33	0.006	0.050	9.5
Base	Grab	9/30/2013	15:00		13-A41967	6	6	1.0	0.39	0.007	0.020	2.0*
Base	Grab	10/15/2013	14:25		13-A44755	3	3	1.0	0.42	<0.005	0.020	3.3
Base	Grab	10/31/2013	12:55		13-A48142	2	2	0.4	0.55	0.007	0.022	2.2
Base	Grab	11/19/2013	14:45		13-A50701	2	2	0.4	0.88	0.051	0.014	4.5
Base	Grab	12/27/2013	12:45		13-A54629	<2	<2	0.7	1.80	0.020	0.016	3.1

^ Sample Diluted due to result above calibration or linear range

* Sample Exceeded Holding Time

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

PLS005 - Primary Lower Sleepy Eye Creek near Cobden - Non-impacted stream/Western Corn Belt Plains

STORET CODE - S001-919

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	P-PO4 MG/L	TP MG/L	TURB. NTU
Base	Grab	4/16/2013	14:05		13-A12288	13	10	1.7	3.86	0.062*	0.204	7.2
Storm Event	Grab	4/26/2013	11:55		13-A13893	14	9	1.4	10.20	0.065*	0.150	5.5
Storm Event	Grab	4/29/2013	13:45		13-A14067	22	10	1.3	7.96	0.037*	0.126	8.3
Base	Grab	5/7/2013	14:05		13-A15504	20	11	1.7	4.90	<0.02*	0.078	4.7
Storm Event	Grab	5/21/2013	11:55		13-A18297	38	16	1.8	11.70	0.109*	0.187	22
Base	Grab	6/11/2013	14:25		13-A22186	11	5	1.7	7.40	0.036*	0.088	9.8
Storm Event	Grab	6/24/2013	12:55		13-A24654	100	20	2.3	14.70	0.197*	0.357	96
Storm Event	Grab	6/25/2013	13:20		13-A24994	72	20	2.4	15.00	0.206*	0.354	73
Storm Event	Grab	6/27/2013	14:15		13-A25789	70	18	2.0	18.40	0.138*	0.289	50
Storm Event	Grab	7/2/2013	14:05		13-A26531	50	12	1.4	19.70	0.099*	0.196	31
Base	Grab	7/10/2013	13:00		13-A27896	11	8	1.6	11.40	0.006	0.102	3.9
Base	Grab	8/15/2013	14:20		13-A35087	8	5	0.7	<0.2	0.022	0.053	4.7
Base	Grab	9/18/2013	13:55		13-A40167	8	6	0.7	<0.2	0.009	0.039	2.4
Base	Dup	9/18/2013	13:56		13-A40171	11	7	0.5	<0.2	0.007	0.044	2.3
Base	Grab	9/30/2013	13:50		13-A41966	6	6	1.1	<0.2	0.009	0.031	2
Base	Grab	10/15/2013	13:15		13-A44754	3	3	0.8	<0.2	0.011	0.032	2.2

^ Sample Diluted due to result above calibration or linear range

* Sample Exceeded Holding Time

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

PLC010 - Primary Lower Cottonwood River near Leavenworth - Non-impacted stream/Western Corn Belt Plains

STORET CODE - S001-920

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	P-PO4 MG/L	TP MG/L	TURBIDITY NTU
Snowmelt	Grab	4/3/2013	13:05		13-A10195	88	17	1.5	1.65	0.146*	0.300	52
Base	Grab	4/16/2013	13:35		13-A12287	21	10	1.1	1.64	0.044*	0.142	11
Storm Event	Grab	4/26/2013	11:30		13-A13892	31	9	1.4	3.87	0.038*	0.131	16
Storm Event	Grab	4/29/2013	13:20		13-A14066	186	30	2.3	7.15	0.058*	0.333	100
Base	Grab	5/7/2013	13:35		13-A15503	55	16	2.0	2.96	<0.02*	0.141	29
Storm Event	Grab	5/21/2013	11:35		13-A18295	100	20	1.6	4.47	0.064*	0.171	53
Storm Event	Grab	6/11/2013	14:10		13-A22185	101	17	2.0	4.43	0.034*	0.175	44
Storm Event	Grab	6/24/2013	12:40		13-A24653	284	44	2.6	14.90	0.122*	0.409	160
Storm Event	Grab	6/25/2013	12:55		13-A24993	200	36	2.8	13.10	0.144*	0.435	120
Storm Event	Grab	6/27/2013	13:50		13-A25788	140	26	2.2	11.20	0.118*	0.323	73
Storm Event	Grab	7/2/2013	13:45		13-A26530	98	17	1.8	10.00	0.076*	0.237	52
Storm Event	Dup	7/2/2013	13:46		13-A26534	99	18		10.00		0.238	51
Base	Grab	7/10/2013	12:40		13-A27895	46	12	1.5	6.72	0.051	0.159	24
Base	Grab	8/15/2013	13:55		13-A35086	23	11	1.4	<0.2	<0.02	0.073	11
Base	Grab	9/18/2013	13:30		13-A40166	10	8	0.9	0.32	0.011	0.048	3.6
Base	Grab	9/30/2013	13:25		13-A41965	8	7	0.9	<0.2	0.006	.050*	3.8
Base	Grab	10/15/2013	12:55		13-A44753	7	3	0.7	0.24	0.009*	0.056	4

^ Sample Diluted due to result above calibration or linear range

* Sample Exceeded Holding Time