

CHEMICAL DATA - Analytes tested for in a lab, 2024 - MVTL, New Ulm

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

STORET CODE - S001-918

2024 Wateryear (Oct 1, 2023 to Sept. 30, 2024)

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
Winter Base	Grab	1/3/2024	15:00		37903003	12		0.313	7.07	0.029	0.062
Snowmelt	Grab	2/12/2024	13:50		40600001	54		0.702	3.22	0.012	0.067
Snowmelt	Grab	2/23/2024	13:20		41490003	33		0.298	3.75	0.008	0.039
Base	Grab	3/18/2024	14:25		43125004	8		0.674	1.59	<0.02'	0.022
Storm Event	Grab	3/28/2024	14:25		44039003	12		0.798	4.27	<0.005	0.026
Storm Event	Grab	4/1/2024	14:20		44193005	64		0.767	6.31	<0.005	0.067
Storm Event	Grab	4/5/2024	14:05		44759005	72		0.788	6.44	<0.005	0.080
Storm Event	Grab	4/11/2024	14:50		45296005	62		0.760	6.54	0.006	0.078
Storm Event	Grab	4/17/2024	15:05		45804007	531		2.52	10.47	0.016	0.421
Storm Event	DUP	4/17/2024	15:10		45804008	586		2.58	10.41	0.017	0.405
Storm Event	Grab	4/18/2024	13:50		45930005	154		1.46	13.05	0.033	0.268
Storm Event	Grab	4/19/2024	14:00		46055004	210		1.04	12.11	0.022	0.207
Storm Event	Grab	4/22/2024	14:45		46135002	70		0.309	11.33	0.019	0.094
Storm Event	Grab	4/29/2024	15:30		46801007	170		0.477	9.96	0.017	0.150
Storm Event	Grab	4/30/2024	13:55		46924005	348		1.79	12.39	0.022	0.350
Storm Event	Grab	5/2/2024	14:30		47261004	290		1.51	14.58	0.049	0.280
Storm Event	Grab	5/6/2024	14:50		47524005	144		<0.1	13.15	0.045	0.170
Storm Event	Grab	5/8/2024	15:35		47948006	296		1.09	13.28	0.084	0.284
Storm Event	Grab	5/10/2024	14:35		48229001	148		0.314	14.42	0.051	0.225
Storm Event	Grab	5/13/2024	15:10		48291005	116		<0.1	13.22	0.030	0.120
Storm Event	Grab	5/22/2024	15:50		49341005	140		0.551	11.82	0.039	0.160
Storm Event	Grab	5/23/2024	15:30		49488004	189		1.08	13.64	0.092	0.260
Storm Event	Grab	5/25/2024	10:15		50035003	310		2.01	15.03	0.138	0.440
Storm Event	Grab	5/30/2024	14:55		50035008	95		1.01	14.44	0.067	0.175
Storm Event	Grab	6/2/2024	13:00		50227004	237		1.18	15.91	0.107	0.309
Storm Event	Grab	6/5/2024	12:10		50561004	150		0.264	16.29	0.085	0.211
Base	Grab	6/10/2024	14:30		51042004	79		<0.1	14.82	0.062	0.149
Storm Event	Grab	6/17/2024	14:15		51847003	438		2.02	11.88	0.134	0.472
Storm Event	Grab	6/19/2024	16:45		52489002	446		1.83	14.78	0.165	0.470
Storm Event	Grab	6/22/2024	16:20		52588006	824		2.98	9.78	0.210	0.830
Storm Event	Grab	6/24/2024	16:00		52642004	188		1.92	7.22	0.162	0.640
Storm Event	Grab	6/26/2024	14:50		53002005	417		1.32	7.01	0.166	0.444
Storm Event	Grab	7/1/2024	11:35		53322003	170		1.27	8.32	0.134	0.283
Storm Event	Grab	7/9/2024	18:00		24G1522-03	160		0.980	11.00	0.137	0.323
Base	Grab	7/29/2024	16:50		24H0131-10	76		0.870	6.20	0.006	0.128
Base	Grab	8/26/2024	13:05		60979004	67		1.42	1.68	0.006	0.083
Base	Grab	9/19/2024	15:10		64854004	75			0.13	<0.005	0.128
Base	Grab	10/24/2024	14:50		68855004	28			0.71	0.008	0.061
Base	Grab	11/18/2024	13:20		71241003	3			1.90	0.008	0.034
Base	Grab	12/16/2024	15:05		73823002	4			5.22	0.011	0.022

_ ' The reporting limit for this analyte has been raised to account for the reporting limit verification standard. -2024

CHEMICAL DATA - Analytes tested for in a lab, 2024- MVTL, New Ulm

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

STORET CODE - S001-919

2024 Wateryear (Oct 1, 2023 to Sept. 30, 2024)

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
Snowmelt	Grab	2/23/2024	12:20		41490002	2		0.251	5.33		0.017
Base	Grab	3/21/2024	12:30		43551001	6		0.502	4.78		0.016
Storm Event	Grab	3/28/2024	13:30		44039002	7		0.366	8.83		0.021
Storm Event	Grab	4/1/2024	13:30		44193004	11		<0.1	9.67		0.024
Storm Event	Grab	4/5/2024	13:10		44759004	6		0.338	8.39		0.022
Storm Event	Grab	4/11/2024	14:00		45296004	8		0.170	9.36		0.026
Storm Event	Grab	4/17/2024	14:15		45804006	73		0.237	15.76		0.183
Storm Event	Grab	4/18/2024	13:05		45930004	30		<0.1	16.66		0.089
Storm Event	Grab	4/22/2024	13:45		46135004	10		<0.1	15.32		0.034
Storm Event	Grab	4/29/2024	14:15		46801006	64		<0.1	16.00		0.124
Storm Event	Grab	4/30/2024	13:05		46924004	51		<0.1	18.67		0.112
Storm Event	Grab	5/2/2024	13:35		47261003	21		<0.1	19.00		0.079
Storm Event	Grab	5/6/2024	13:50		47524004	9		<0.1	18.59		0.041
Storm Event	Grab	5/8/2024	14:50		47948005	35		0.347	18.91	0.093	0.139
Storm Event	Grab	5/13/2024	14:00		48291004	16		<0.1	18.93		0.043
Storm Event	Grab	5/22/2024	14:40		49341004	37		<0.1	18.31		0.121
Storm Event	Grab	5/24/2024	13:39		50035001	228		1.79	16.41		0.350
Storm Event	Grab	5/30/2024	13:50		50035007	25		<0.1	19.34		0.067
Storm Event	Grab	6/1/2024	11:30		50227001	140		0.521	17.98		0.413
Storm Event	Dup	6/1/2024	11:35		50227002	140		0.867	17.97		0.409
Storm Event	Grab	6/5/2024	10:30		50561003	145		0.766	17.36		0.370
Base	Grab	6/10/2024	13:25		51042003	29		<0.1	20.88		0.093
Storm Event	Grab	6/17/2024	13:15		51847002	130		1.01	14.85		0.326
Storm Event	Grab	6/18/2024	14:15		52008005	80		0.579	15.85		0.427
Storm Event	Grab	6/22/2024	15:15		52588005	114		1.91	9.51		0.489
Storm Event	Grab	6/23/2024	16:55		52591003	39		1.11	9.32		0.420
Storm Event	Grab	6/26/2024	14:00		53002004	34		1.31	10.68		0.374
Storm Event	Grab	7/1/2024	10:45		53322002	33		0.109	14.76		0.258
Base	Grab	7/16/2024	6:29		24G2024-02	48		<0.4	15.00		0.216
Base	Grab	7/29/2024	15:50		24H0131-09	22		0.940	12.00	0.037	0.117
Base	Grab	8/26/2024	12:15		60979003	22		1.40	1.22		0.103

CHEMICAL DATA - Analytes tested for in a lab, 2024 - MVTL, New Ulm

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

STORET CODE - S001-920

2024 Wateryear (Oct 1, 2023 to Sept. 30, 2024)

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
Snowmelt	Grab	2/26/2024	13:35		41554001	11		0.320	3.46		0.029
Base	Grab	3/18/2024	13:15		43125003	7		0.772	1.79		0.023
Storm Event	Grab	3/28/2024	13:05		44039001	11		0.514	3.45		0.029
Storm Event	Grab	4/1/2024	13:05		44193003	16		0.640	5.76		0.040
Storm Event	Grab	4/5/2024	12:35		44759003	54		0.989	6.23		0.068
Storm Event	Grab	4/11/2024	13:40		45296003	38		0.751	5.95		0.066
Storm Event	Grab	4/17/2024	13:55		45804005	89		1.05	7.94		0.183
Storm Event	Grab	4/18/2024	12:40		45930003	118		1.02	7.83		0.169
Storm Event	Grab	4/19/2024	13:05		46055003	114		1.15	9.25		0.150
Storm Event	Grab	4/22/2024	13:15		46135003	54		0.815	9.26		0.078
Storm Event	Grab	4/29/2024	13:50		46801005	105		1.01	9.46		0.150
Storm Event	Grab	4/30/2024	12:40		46924003	289		1.95	11.41		0.320
Storm Event	Grab	5/2/2024	13:00		47261002	160		1.12	12.54		0.210
Storm Event	Dup	5/2/2024	13:05		47261005	166		1.20	12.57		0.239
Storm Event	Grab	5/6/2024	13:25		47524003	97		0.680	11.45		0.149
Storm Event	Grab	5/8/2024	14:30		47948004	270		1.93	10.72	0.075	0.320
Storm Event	Grab	5/13/2024	13:35		48291003	106		<0.1	11.05		0.115
Storm Event	Grab	5/22/2024	14:20		49341003	146		1.20	10.85		0.250
Storm Event	Grab	5/23/2024	14:30		49488003	137		1.37	12.00		0.256
Storm Event	Grab	5/25/2024	9:17		50035002	273		2.44	11.79		0.450
Storm Event	Grab	5/30/2024	13:25		50035006	92		0.476	12.55		0.167
Storm Event	Grab	6/2/2024	12:10		50227003	143		0.639	14.30		0.257
Storm Event	Grab	6/5/2024	11:05		50561002	132		0.743	12.91		0.229
Storm Event	Grab	6/10/2024	13:00		51042002	86		1.77	12.64		0.149
Storm Event	Grab	6/17/2024	12:55		51847001	217		2.06	10.78		0.342
Storm Event	Grab	6/19/2024	17:40		52489001	128		1.58	13.99		0.260