

Wisconsin Department of Natural Resources

Laboratory Report

06/06/2018

Lab: 113133790

Sample: 383898001

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Laboratory: Wisconsin State Laboratory of Hygiene

DNR ID 113133790

PO Box 7996

Madison

WI 53718

Phone : 608-224-6203

Fax Phone : 608-224-6213

Sample:

Field #: 1/1 1/2

Sample #: 383898001

Collection Start: 05/21/2018 01:50 pm

Collection End: 05/21/2018 01:50 pm

Collected by: RYAN LOWRY

Waterbody/Outfall Id: 1791400

ID #: 10030306

ID Point #:

County: Trempealeau

Account #: RR009

Sample Location: **POCKER CREEK NEAR BORK LN, WHITEHALL, WI 54773**

Sample Description: **POCKER CREEK STREAM WATER ~200 YDS UPSTREAM FROM SOURCE, WATER FROM**

Sample Source: **HEADWATERS, TREMPLEALEAU COUNTY**

Date Reported: **Surface Water**

Sample Depth: 5IN

Project No:

Sample Status: COMPLETE

Comment:

Sample Reason:

Analyzed past the 15 minutes holding time: Method SM4500-H+B analyzed on 05/24/18 1330

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
EPA 350.1		05/25/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	0.0176	MG/L	0.0150		0.0480

Analysis Method		Analysis Date	Lab Comment			
EPA 245.1		05/25/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
71900	MERCURY TOTAL	ND	ug/L	0.030		0.080

Analysis Method		Analysis Date	Lab Comment			
SM2130B		05/23/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
82079	TURBIDITY, LAB NEPHELOMETRIC NTU	10.2	NTU	0.100		0.100

Analysis Method		Analysis Date	Lab Comment			
SM4500-H+B		05/24/2018	Analyzed past the 15 minutes holding time.			
Code	Description	Result	Units	LOD	Report Limit	LOQ
403	PH LAB	7.97	SU	1.00		1.00

Analysis Method		Analysis Date	Lab Comment			
EPA 200.7		05/29/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1104	ALUMINUM,TOTAL RECOVERABLE	173	ug/L	10.0		30.0

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<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
1268	ANTIMONY TOTAL REC	ND	ug/L	5.00		16.0
978	ARSENIC TOTAL RECOVERABLE	ND	ug/L	5.00		16.0
998	BERYLLIUM TOTAL REC	ND	ug/L	0.500		1.60
1113	CADMIUM TOTAL RECOVERABLE	ND	ug/L	1.00		3.00
918	CALCIUM TOTAL RECOVERABLE	29.5	MG/L	0.100		0.300
1118	CHROMIUM TOTAL RECOVERABLE	ND	ug/L	1.00		3.00
1119	COPPER TOT REC	ND	ug/L	5.00		15.0
899	HARDNESS TOTAL RECOVERABLE CALCULATION	125	MG/L	0.660		2.00
980	IRON TOTAL RECOVERABLE	0.399	MG/L	0.100		0.300
1114	LEAD TOTAL REC	ND	ug/L	3.00		10.0
921	MAGNESIUM TOTAL RECOVERABLE	12.5	MG/L	0.100		0.300
1074	NICKEL, TOTAL RECOVERABLE	ND	ug/L	2.00		6.00
981	SELENIUM TOTAL RECOVERABLE	ND	ug/L	10.0		30.0
1079	SILVER TOT REC	ND	ug/L	2.00		6.00
1094	ZINC TOTAL REC	ND	ug/L	5.00		15.0

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Laboratory: Wisconsin State Laboratory of Hygiene
PO Box 7996
Madison WI 53718
Phone : 608-224-6203 Fax Phone : 608-224-6213

DNR ID 113133790

Sample:

Field #: 2/1 2/2 Sample #: 383898002
 Collection Start: 05/21/2018 02:20 pm Collection End: 05/21/2018 02:20 pm
 Collected by: RYAN LOWRY Waterbody/Outfall Id: 1791400
 ID #: 10030306 ID Point #:
 County: Trempealeau Account #: RR009
 Sample Location: **POCKER CREEK NEAR BORK LN, WHITEHALL, WI 54773**
 Sample Description: **STREAM WATER AT THE SOURCE OF THE RUNOFF / SPILL WHERE IT MET POCKER CREEK**
 Sample Source: Surface Water Sample Depth: 5IN
 Date Reported: Sample Status: COMPLETE
 Project No: Sample Reason:
 Comment: Analyzed past the 15 minutes holding time: Method SM4500-H+B analyzed on 05/24/18 1330

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
EPA 350.1		05/25/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	0.668	MG/L	0.0150		0.0480

Analysis Method		Analysis Date	Lab Comment			
SM2130B		05/23/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
82079	TURBIDITY, LAB NEPHELOMETRIC NTU	31800	NTU	10.0		10.0

Analysis Method		Analysis Date	Lab Comment			
EPA 245.1		05/25/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
71900	MERCURY TOTAL	0.98	ug/L	0.030		0.080

Analysis Method		Analysis Date	Lab Comment			
SM4500-H+B		05/24/2018	Analyzed past the 15 minutes holding time.			
Code	Description	Result	Units	LOD	Report Limit	LOQ
403	PH LAB	7.19	SU	1.00		1.00

Analysis Method		Analysis Date	Lab Comment			
EPA 200.7		05/29/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1104	ALUMINUM,TOTAL RECOVERABLE	335000	ug/L	100		300

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<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
1268	ANTIMONY TOTAL REC	ND	ug/L	50.0		160
978	ARSENIC TOTAL RECOVERABLE	67.4	ug/L	50.0		160
998	BERYLLIUM TOTAL REC	19.6	ug/L	5.00		16.0
1113	CADMIUM TOTAL RECOVERABLE	64.0	ug/L	10.0		30.0
918	CALCIUM TOTAL RECOVERABLE	127	MG/L	1.00		3.00
1118	CHROMIUM TOTAL RECOVERABLE	604	ug/L	10.0		30.0
1119	COPPER TOT REC	2340	ug/L	50.0		150
899	HARDNESS TOTAL RECOVERABLE CALCULATION	521	MG/L	6.60		20.0
980	IRON TOTAL RECOVERABLE	1440	MG/L	1.00		3.00
1114	LEAD TOTAL REC	1060	ug/L	30.0		100
921	MAGNESIUM TOTAL RECOVERABLE	49.1	MG/L	1.00		3.00
1074	NICKEL, TOTAL RECOVERABLE	1090	ug/L	20.0		60.0
981	SELENIUM TOTAL RECOVERABLE	ND	ug/L	100		300
1079	SILVER TOT REC	66.9	ug/L	20.0		60.0
1094	ZINC TOTAL REC	585	ug/L	50.0		150

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Laboratory: Wisconsin State Laboratory of Hygiene

DNR ID 113133790

PO Box 7996

Madison

WI 53718

Phone : 608-224-6203

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Sample:

Field #: 3/1 3/2

Sample #: **383898003**

Collection Start: 05/21/2018 03:50 pm

Collection End: 05/21/2018 03:50 pm

Collected by: RYAN LOWRY

Waterbody/Outfall Id: 1769900

ID #: 10051092

ID Point #:

County: Trempealeau

Account #: RR009

Sample Location: **TREMPEALEAU RIVER DOWNSTREAM FROM CONFLUENCE WITH POCKER CREEK**

Sample Description: **TREMPEALEAU RIVER WATER ~50 YDS DOWNSTREAM FROM POCKER CREEK AND SPILL**

Sample Source: SOURCE

Date Reported: Surface Water

Sample Depth: 1F

Project No:

Sample Status: COMPLETE

Comment:

Sample Reason:

Analyzed past the 15 minutes holding time: Method SM4500-H+B analyzed on 05/24/18 1330

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
EPA 245.1		05/25/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
71900	MERCURY TOTAL	ND	ug/L	0.030		0.080

Analysis Method		Analysis Date	Lab Comment			
EPA 350.1		05/25/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	0.0911	MG/L	0.0150		0.0480

Analysis Method		Analysis Date	Lab Comment			
SM4500-H+B		05/24/2018	Analyzed past the 15 minutes holding time.			
Code	Description	Result	Units	LOD	Report Limit	LOQ
403	PH LAB	7.53	SU	1.00		1.00

Analysis Method		Analysis Date	Lab Comment			
SM2130B		05/23/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
82079	TURBIDITY, LAB NEPHELOMETRIC NTU	64.1	NTU	0.100		0.100

Analysis Method		Analysis Date	Lab Comment			
EPA 200.7		05/29/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1104	ALUMINUM,TOTAL RECOVERABLE	915	ug/L	10.0		30.0

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<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
1268	ANTIMONY TOTAL REC	ND	ug/L	5.00		16.0
978	ARSENIC TOTAL RECOVERABLE	ND	ug/L	5.00		16.0
998	BERYLLIUM TOTAL REC	ND	ug/L	0.500		1.60
1113	CADMIUM TOTAL RECOVERABLE	ND	ug/L	1.00		3.00
918	CALCIUM TOTAL RECOVERABLE	22.8	MG/L	0.100		0.300
1118	CHROMIUM TOTAL RECOVERABLE	1.37	ug/L	1.00		3.00
1119	COPPER TOT REC	6.78	ug/L	5.00		15.0
899	HARDNESS TOTAL RECOVERABLE CALCULATION	92.6	MG/L	0.660		2.00
980	IRON TOTAL RECOVERABLE	4.79	MG/L	0.100		0.300
1114	LEAD TOTAL REC	4.32	ug/L	3.00		10.0
921	MAGNESIUM TOTAL RECOVERABLE	8.69	MG/L	0.100		0.300
1074	NICKEL, TOTAL RECOVERABLE	6.23	ug/L	2.00		6.00
981	SELENIUM TOTAL RECOVERABLE	ND	ug/L	10.0		30.0
1079	SILVER TOT REC	ND	ug/L	2.00		6.00
1094	ZINC TOTAL REC	6.72	ug/L	5.00		15.0

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PO Box 7996
Madison WI 53718
Phone : 608-224-6203 Fax Phone : 608-224-6213

DNR ID 113133790

Sample:

Field #: EXTRA SAMPLE Sample #: **383898004**
 Collection Start: 05/21/2018 03:00 pm Collection End: 05/21/2018 03:00 pm
 Collected by: RYAN LOWRY Waterbody/Outfall Id: 1769900
 ID #: 10051092 ID Point #:
 County: Trempealeau Account #: RR009
 Sample Location: **TREMPEALEAU RIVER 200 YDS UPSTREAM FROM POCKER CREEK**
 Sample Description: **TREMPEALEAU RIVER STREAM WATER 200 YDS UPSTREAM OF POCKER CREEK AND US OF**
 Sample Source: **SPILL SOURCE**
 Date Reported: Surface Water Sample Depth:
 Project No: Sample Status: **COMPLETE**
 Comment: Sample Reason:
SAMPLE COLLECTION TIME APPROXIMATE; COLLECTED BETWEEN 2:00 PM AND 4:00 PM

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
EPA 245.1		05/25/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
71900	MERCURY TOTAL	ND	ug/L	0.030		0.080

Analysis Method		Analysis Date	Lab Comment			
EPA 200.7		05/29/2018				
Code	Description	Result	Units	LOD	Report Limit	LOQ
1104	ALUMINUM,TOTAL RECOVERABLE	244	ug/L	10.0		30.0
1268	ANTIMONY TOTAL REC	ND	ug/L	5.00		16.0
978	ARSENIC TOTAL RECOVERABLE	ND	ug/L	5.00		16.0
998	BERYLLIUM TOTAL REC	ND	ug/L	0.500		1.60
1113	CADMIUM TOTAL RECOVERABLE	ND	ug/L	1.00		3.00
918	CALCIUM TOTAL RECOVERABLE	21.5	MG/L	0.100		0.300
1118	CHROMIUM TOTAL RECOVERABLE	ND	ug/L	1.00		3.00
1119	COPPER TOT REC	ND	ug/L	5.00		15.0
899	HARDNESS TOTAL RECOVERABLE CALCULATION	87.5	MG/L	0.660		2.00
980	IRON TOTAL RECOVERABLE	1.73	MG/L	0.100		0.300
1114	LEAD TOTAL REC	ND	ug/L	3.00		10.0
921	MAGNESIUM TOTAL RECOVERABLE	8.21	MG/L	0.100		0.300

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<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
1074	NICKEL, TOTAL RECOVERABLE	4.47	ug/L	2.00		6.00
981	SELENIUM TOTAL RECOVERABLE	ND	ug/L	10.0		30.0
1079	SILVER TOT REC	ND	ug/L	2.00		6.00
1094	ZINC TOTAL REC	8.22	ug/L	5.00		15.0