

Relevant Information from Suettinger Phase I ESA & City Row Assessment adjacent to Suettinger for Hamilton Industries (Former) case. *T.R. Boerst*

**Beggs, Tauren R - DNR**

**From:** Stuart Boerst <SBoerst@mcmgrp.com>  
**Sent:** Wednesday, April 11, 2018 11:20 AM  
**To:** Beggs, Tauren R - DNR  
**Cc:** Greg Buckley; James McDonald  
**Subject:** Phase I ESA - Suettinger Hardware Property, Two Rivers, WI

Hi Tauren,

Below is a hyperlink to a FTP site for a Phase I ESA completed for the Suettinger Hardware Property, Two Rivers, WI. Also, one of the appendices provides the results (groundwater VOC results table, groundwater contour map and groundwater monitoring location figure) of a Phase II ESA completed west of Jefferson Street. The Phase II ESA involved installing four groundwater monitoring wells and analyzing the groundwater for VOCs. The groundwater contours indicate that a groundwater divide exists in the area of Jefferson Street and trends in a northwest-southeast direction. Also, this reflects the change in the topography of the area. The four monitoring wells successfully define the western extent of TCE in the groundwater.

I suggest downloading the file first before viewing. There is a very large records search report that occupies most of the report. I recommend viewing the report section and the Phase II ESA data before tomorrow's meeting at the City Hall at 2 pm. Based on the Phase I and II ESA data, we do not believe the Suettinger Hardware store property is a source of TCE.

<https://www.dropbox.com/s/ag2vk84dzneq213/-%20Suettinger%20Hardware%20Phase%20I%20ESA.pdf?dl=0>

If you have any questions, please let me know.

Thanks,

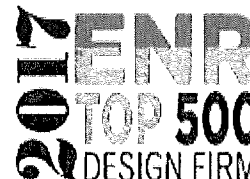
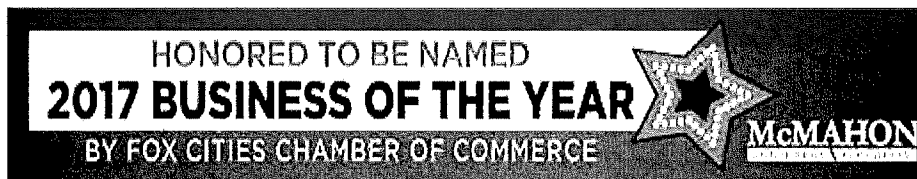
**Stuart Boerst, P.S.S., P.H.**

SENIOR ECOLOGIST/ASSOCIATE



The McMAHON Way...*Values. Culture. Relationships.*

McMahon Associates, Inc.  
1445 McMAHON DRIVE NEENAH, WI 54956  
920.751.4200 EXT 206 MCMGRP.COM  
920.615.4560 CELL



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# Phase I Environmental Site Assessment

Suettinger Hardware, Inc. Properties  
1407 16<sup>th</sup> Street and 1514 Jefferson Street  
City of Two Rivers | Manitowoc County, Wisconsin

Prepared For

**SUETTINGER HARDWARE, INC.**  
TWO RIVERS, WISCONSIN

MARCH 19, 2018

McM. No. S1207-9-18-00221.00

SAB:car

**McMAHON**  
ENGINEERS ARCHITECTS

McMAHON ASSOCIATES, INC.  
1445 McMAHON DRIVE | NEENAH, WI 54956  
Mailing P.O. BOX 1025 | NEENAH, WI 54957-1025  
PH 920.751.4200 FX 920.751.4284 MCMGRP.COM



March 19, 2018

Suettinger Hardware, Inc.  
Attn: Sharon Suettinger  
3215 Parkway Boulevard  
Two Rivers, WI 54241

Re: Phase I Environmental Site Assessment  
Suettinger Hardware, Inc. Properties  
1407 16<sup>th</sup> Street and 1514 Jefferson Street  
City of Two Rivers | Manitowoc County, Wisconsin  
McM. No. S1207-9-18-00221.00

Dear Ms. Suettinger:

McMahon Associates, Inc. is pleased to provide you with the findings of a Phase I Environmental Site Assessment (ESA) for the Suettinger Hardware, Inc. Properties, 1407 16<sup>th</sup> Street and 1514 Jefferson Street, City of Two Rivers, Manitowoc County, Wisconsin.

Based on the findings of the Phase I ESA, three Recognized Environmental Conditions (RECs) were identified on the Hardware Store property. One REC consists of 350 gallon gasoline Underground Storage Tank (UST) installed on the property in 1953. The location, whether the UST was removed and if a petroleum release occurred is unknown. The second REC is the likely presence of trichloroethene (TCE) in the groundwater beneath the site. The source of the REC is unknown but likely from the groundwater contamination existing east and northeast of the site since this is a known former industrial site (Thermo Fisher Scientific). The groundwater flow at the Hardware Store property is southeast and a groundwater divide exists in the general area of Jefferson Street where the groundwater east of the street flows east and southeast. The groundwater divide orients in a northwest/southeast direction. There is a potential that the Hardware Store property is the source of the TCE since the highest levels in the southern TCE plume exist in a groundwater monitoring well located several feet east of the Hardware Store building. However, a TCE source was not identified during the assessment. Potential use of solvent parts cleaner in the former car service area from 1946 to 1958 in the middle of the existing building would migrate southwest directly away from the monitoring well containing TCE adjacent to the Hardware Store property. A third REC is the potential for underground hydraulic oil cylinders associated with hydraulic lift(s) in the former car service area. No hydraulic cylinders were identified during site reconnaissance. There are two concrete replacement areas in the south side of the former service room area where, according to Bruce Suettinger, was the location of the hydraulic hoist(s). Mr. Suettinger's knowledge is based on a past conversation with person who has since deceased. It is unknown if the hydraulic hoist(s) were removed.

Page 2 | March 19, 2018

Suettinger Hardware, Inc.

The House property contains one REC being the likely presence of CVOC contamination in the groundwater from a likely off-site source as described in this report.

If you have any questions or comments, please feel free to contact me.

Respectfully,

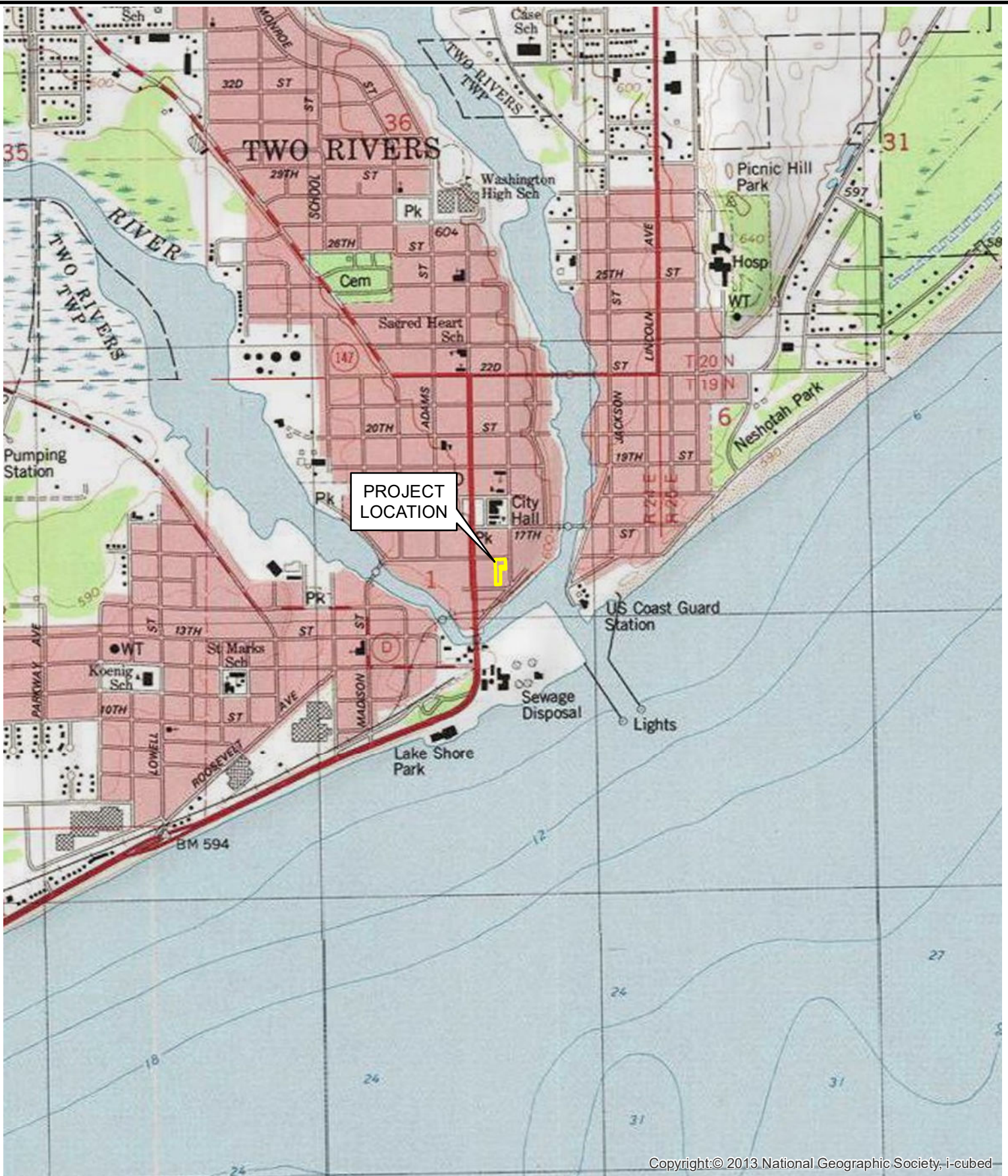
McMahon Associates, Inc.

A handwritten signature in black ink, appearing to read 'SAB', with a long horizontal flourish extending to the right.

Stuart A. Boerst, P.S.S., P.H.  
Associate / Senior Hydrogeologist / Ecologist

SAB:car





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W:\PROJECTS\S120791800221\GIS\Figure 1.mxd



1 inch = 1,500 feet

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**FIGURE 1**  
**SITE LOCATION & TOPOGRAPHIC MAP**  
 SUETTINGER HARDWARE, INC. PROPERTIES  
 1407 16TH STREET & 1514 JEFFERSON STREET  
 CITY OF TWO RIVERS  
 MANITOWOC COUNTY, WI

S1207-9-18-00221.00 MARCH 2018



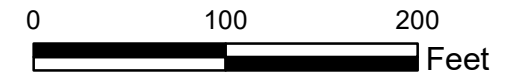


**Mapped Features**

- Review Area (0.58 acres)
- Owner Parcel Boundary

Source: Manitowoc County, 2017.

Disclaimer: The property lines, right-of-way lines, and other property information on this drawing were developed or obtained as part of the County Geographic Information System or through the County property tax mapping function. McMAHON ASSOCIATES, INC. does not guarantee this information to be correct, current, or complete. The property and right-of-way information are only intended for use as a general reference and are not intended or suitable for site-specific uses. Any use to the contrary of the above stated uses is the responsibility of the user and such use is at the user's own risk.



**McMAHON**  
 ENGINEERS ARCHITECTS  
 McMAHON ASSOCIATES, INC.

**FIGURE 2**  
**PROPERTY LAYOUT & SURROUNDING FEATURES**  
 SUETTINGER HARDWARE, INC. PROPERTIES  
 1407 16TH ST & 1514 JEFFERSON ST  
 CITY OF TWO RIVERS  
 MANITOWOC COUNTY, WI

W:\PROJECTS\120791800221\GIS\figure2.mxd

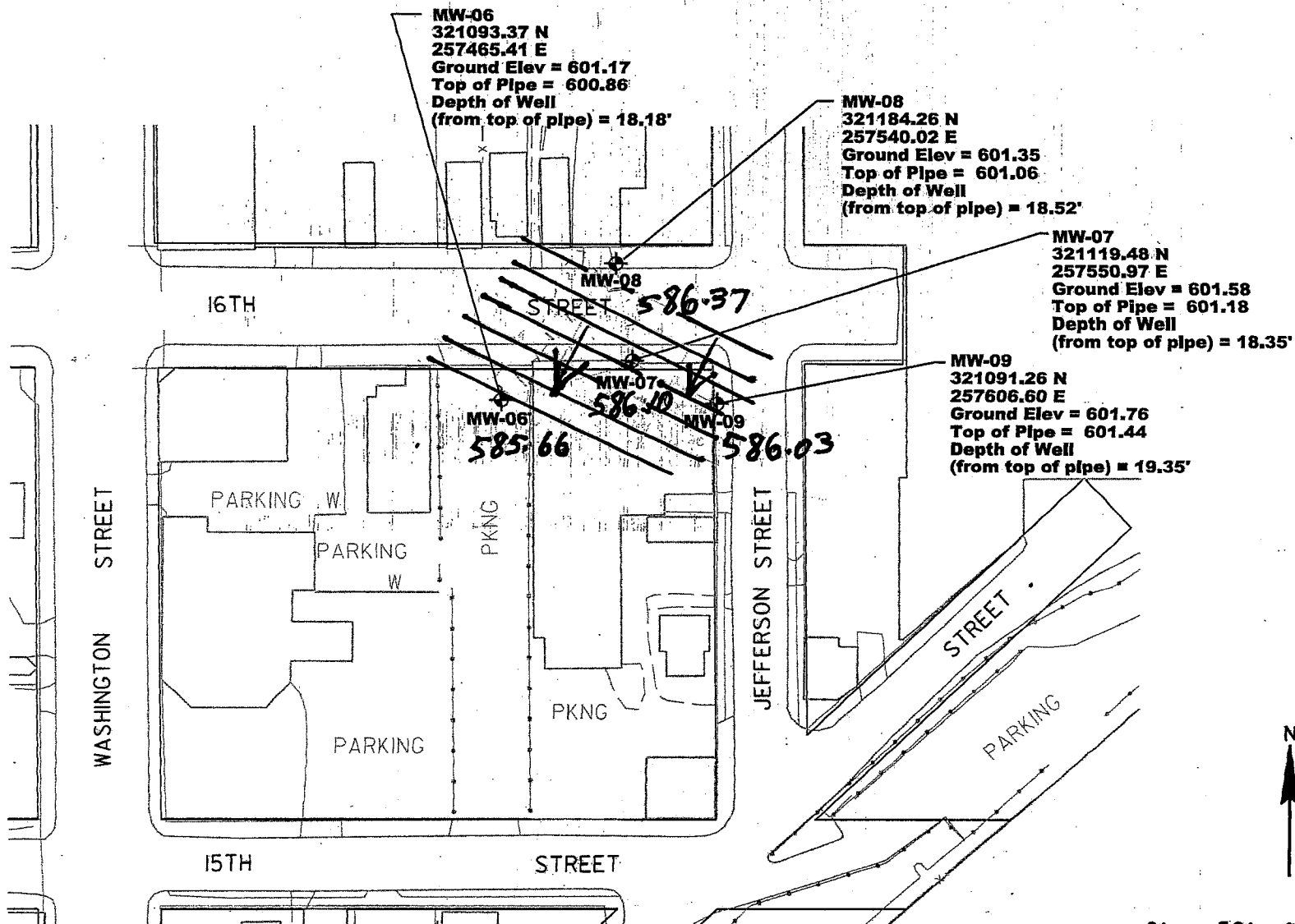
Manitowoc County, WI



**APPENDIX D**

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CITY OF TWO RIVERS GROUNDWATER DATA



**MONITORING WELL LOCATION MAP**

Groundwater Contours  
 January 31, 2018



**Table #1**

**GROUNDWATER ANALYTICAL RESULTS**

**Detected VOCs**

CITY OF TWO RIVERS

March 19, 2018

McM. No. T0007-9-18-00227.00

Well Name	Sample Date	cis-1,2,- Dichloroethene (ug/l)	trans-1,2,- Dichloroethene (ug/l)	Chloroform (ug/l)	Trichloroethene (ug/l)
MW-06	1/31/2018	<0.37	<0.34	<0.26	<0.30
MW-07	1/31/2018	1.91	<0.34	<0.26	<0.30
MW-08	1/31/2018	<0.37	<0.34	0.28*	<0.30
MW-09	1/31/2018	51	70	<0.26	195
Enforcement Standard, Chapter NR 140.10		70	100	6	5
Preventive Action Limit, Chapter NR 140.10		7	20	0.6	0.5

Explanation:

VOC = Volatile Organic Compounds

\* = Analyte Detected Between Limit of Detection and Limit of Quantitation

NA = Not Analyzed

ug/l = Microgram / Liter (ppb)

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 = Exceeds Chapter NR 140 Enforcement Standards (ES)

--

 = Exceeds Chapter NR 140 Preventive Action Limit (PAL)

## Beggs, Tauren R - DNR

---

**From:** Goetz, Staci L <Staci.Goetz@foth.com>  
**Sent:** Tuesday, April 10, 2018 2:30 PM  
**To:** Beggs, Tauren R - DNR  
**Subject:** City of Two Rivers - Suettinger Property Information  
**Attachments:** Suettinger Block.pdf; Test Results, Suettinger borings 02.05.18.pdf; Suettinger Area borings map.pdf

Hello Tauren,  
Please find attached the information that the City has provided Foth for the Suettinger property. I look forward to meeting you this Thursday afternoon. I will send a separate outlook calendar invitation for the meeting.

Kind regards,  
Staci

**Staci Goetz, PhD, PG**

Lead Environmental Scientist/Project Manager  
Foth Infrastructure & Environment, LLC  
2121 Innovation Court, Suite 300  
P.O. Box 5126  
De Pere, WI 54115-5126  
Ph: (920) 497-2500 / Fax: (920) 497-8516  
Direct: (920) 496-6746 / Cell: (920) 562-9094  
[www.foth.com](http://www.foth.com)

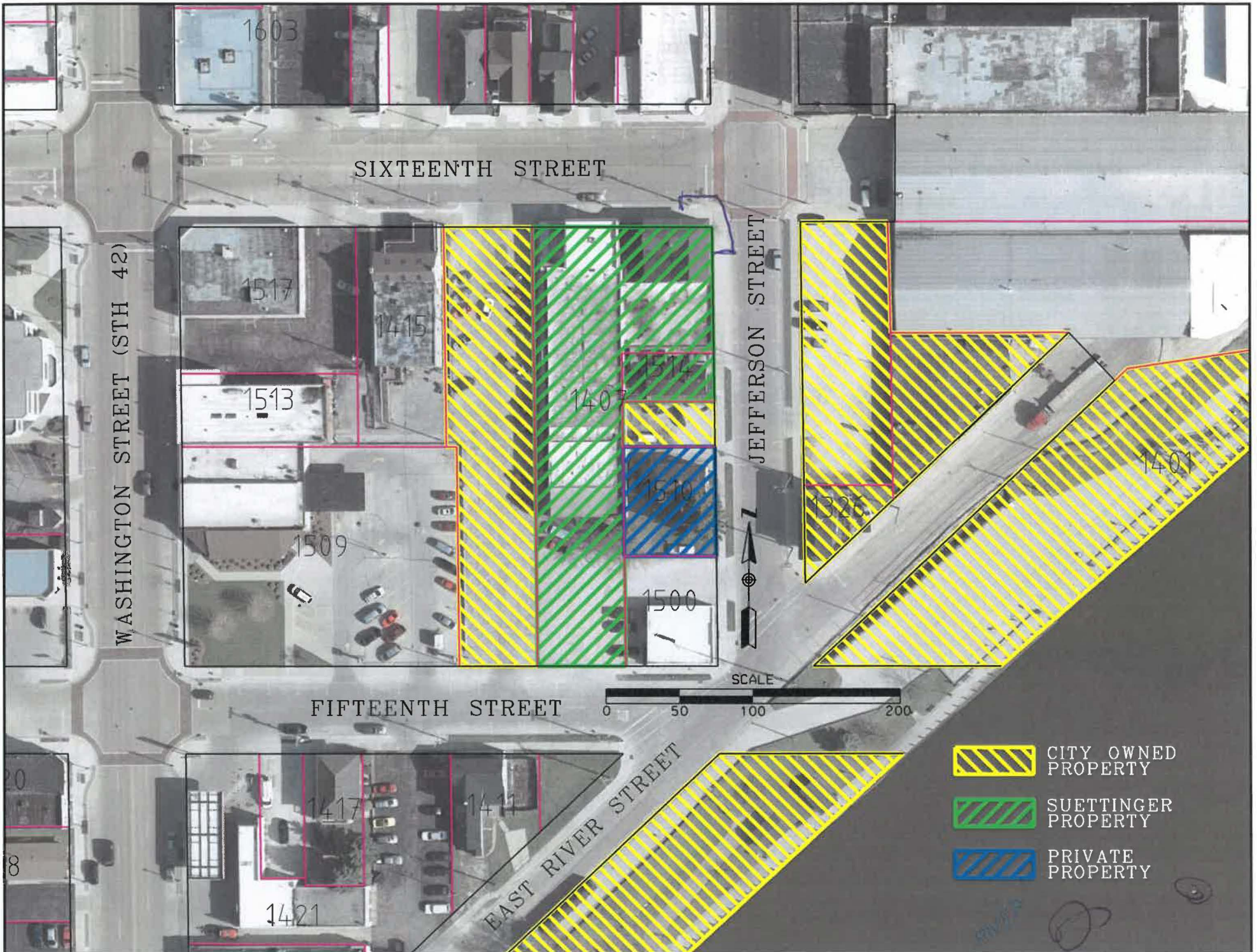


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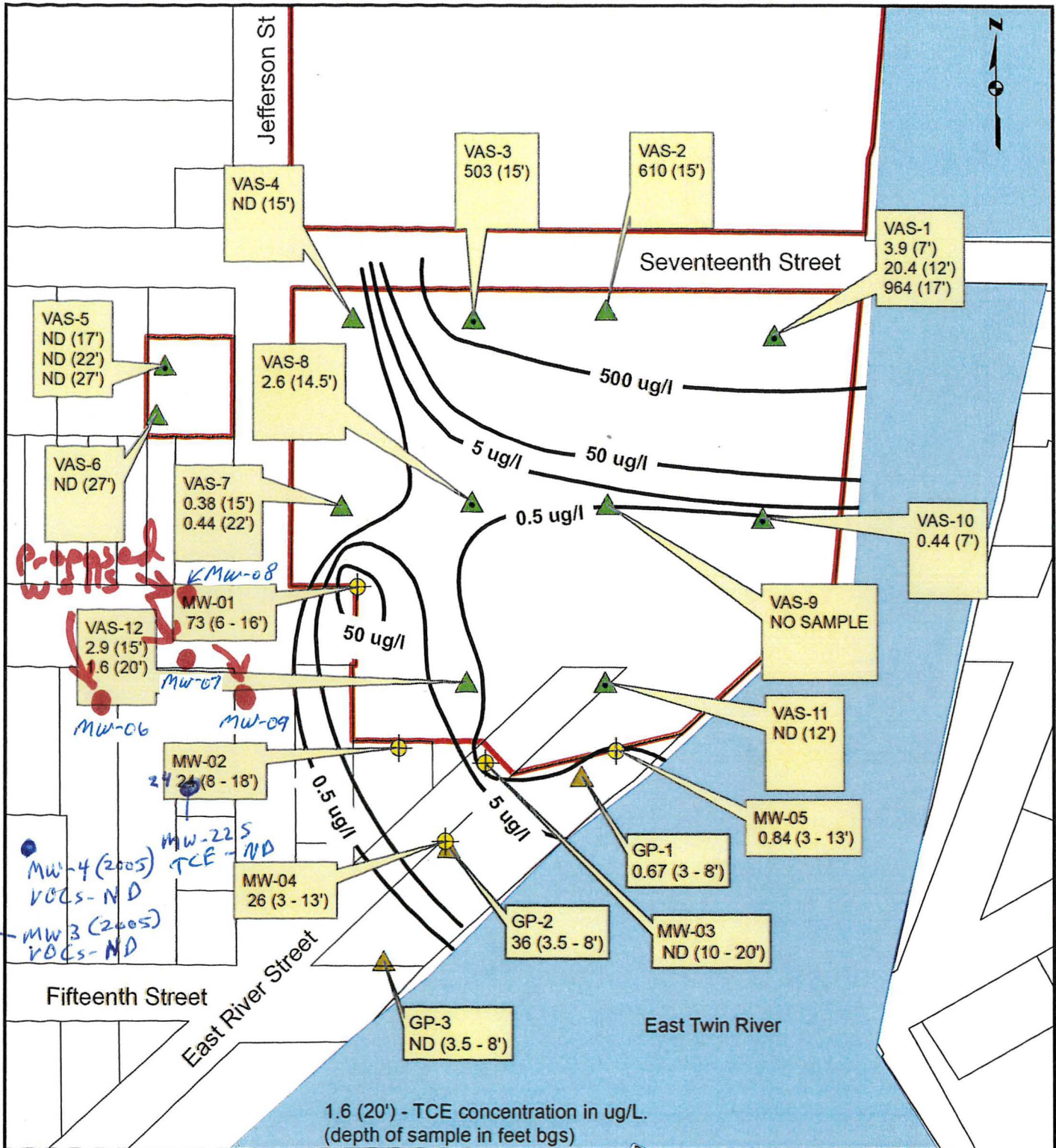
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**Legend**

- VAS Boring with Temp Well
- VAS-1: VAS Boring
- MW-01: City of Two Rivers Well
- TCE Isocontour
- GP-01: McMahon Geoprobe
- Property Boundary (approx)

0.5 ug/L - TCE PAL  
5.0 ug/L - TCE ES  
ND - Not Detected

0 50 100 Feet

**FIGURE 10**

**TCE Isoconcentration Map**  
Former Hamilton Industries  
Two Rivers, Wisconsin

This information is for environmental review purposes only.

# Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

STUART BOERST  
MCMAHON ASSOCIATES  
PO BOX 1025  
NEENAH WI 54957-1025

Report Date 05-Feb-18

Project Name TWO RIVERS  
Project #

Invoice # E34184

Lab Code 5034184A  
Sample ID MW-06/4'  
Sample Matrix Soil  
Sample Date 1/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	96.5	%			1	5021		2/1/2018	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		2/1/2018	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		2/1/2018	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		2/1/2018	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		2/1/2018	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		2/1/2018	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		2/1/2018	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		2/1/2018	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		2/1/2018	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		2/1/2018	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		2/1/2018	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		2/1/2018	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		2/1/2018	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		2/1/2018	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		2/1/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		2/1/2018	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		2/1/2018	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		2/1/2018	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		2/1/2018	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		2/1/2018	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		2/1/2018	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/1/2018	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		2/1/2018	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		2/1/2018	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		2/1/2018	CJR	1

**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184A  
**Sample ID** MW-06/4'  
**Sample Matrix** Soil  
**Sample Date** 1/29/2018

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B	2/1/2018	2/1/2018	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B	2/1/2018	2/1/2018	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B	2/1/2018	2/1/2018	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B	2/1/2018	2/1/2018	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B	2/1/2018	2/1/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B	2/1/2018	2/1/2018	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B	2/1/2018	2/1/2018	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B	2/1/2018	2/1/2018	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B	2/1/2018	2/1/2018	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B	2/1/2018	2/1/2018	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B	2/1/2018	2/1/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B	2/1/2018	2/1/2018	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B	2/1/2018	2/1/2018	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B	2/1/2018	2/1/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B	2/1/2018	2/1/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B	2/1/2018	2/1/2018	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B	2/1/2018	2/1/2018	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B	2/1/2018	2/1/2018	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B	2/1/2018	2/1/2018	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B	2/1/2018	2/1/2018	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B	2/1/2018	2/1/2018	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B	2/1/2018	2/1/2018	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B	2/1/2018	2/1/2018	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B	2/1/2018	2/1/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B	2/1/2018	2/1/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B	2/1/2018	2/1/2018	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B	2/1/2018	2/1/2018	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B	2/1/2018	2/1/2018	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B	2/1/2018	2/1/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	110	Rec %			1	8260B	2/1/2018	2/1/2018	CJR	1
SUR - Toluene-d8	95	Rec %			1	8260B	2/1/2018	2/1/2018	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B	2/1/2018	2/1/2018	CJR	1
SUR - Dibromofluoromethane	101	Rec %			1	8260B	2/1/2018	2/1/2018	CJR	1



**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184B  
**Sample ID** MW-07/4'  
**Sample Matrix** Soil  
**Sample Date** 1/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	94.5	%			1	5021		2/1/2018	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		2/1/2018	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		2/1/2018	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		2/1/2018	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		2/1/2018	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		2/1/2018	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		2/1/2018	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		2/1/2018	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		2/1/2018	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		2/1/2018	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		2/1/2018	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		2/1/2018	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		2/1/2018	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		2/1/2018	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		2/1/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		2/1/2018	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		2/1/2018	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		2/1/2018	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		2/1/2018	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		2/1/2018	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		2/1/2018	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/1/2018	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		2/1/2018	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		2/1/2018	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		2/1/2018	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		2/1/2018	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		2/1/2018	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		2/1/2018	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		2/1/2018	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		2/1/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		2/1/2018	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/1/2018	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		2/1/2018	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		2/1/2018	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		2/1/2018	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		2/1/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/1/2018	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/1/2018	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		2/1/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		2/1/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		2/1/2018	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		2/1/2018	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		2/1/2018	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		2/1/2018	CJR	1

**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184B  
**Sample ID** MW-07/4'  
**Sample Matrix** Soil  
**Sample Date** 1/29/2018

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		2/1/2018	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		2/1/2018	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		2/1/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/1/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		2/1/2018	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/1/2018	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/1/2018	CJR	1
SUR - Toluene-d8	93	Rec %			1	8260B		2/1/2018	CJR	1
SUR - Dibromofluoromethane	102	Rec %			1	8260B		2/1/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	102	Rec %			1	8260B		2/1/2018	CJR	1
SUR - 4-Bromofluorobenzene	99	Rec %			1	8260B		2/1/2018	CJR	1

**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184C  
**Sample ID** MW-08/4'  
**Sample Matrix** Soil  
**Sample Date** 1/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	78.9	%			1	5021		2/1/2018	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		2/1/2018	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		2/1/2018	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		2/1/2018	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		2/1/2018	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		2/1/2018	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		2/1/2018	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		2/1/2018	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		2/1/2018	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		2/1/2018	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		2/1/2018	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		2/1/2018	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		2/1/2018	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		2/1/2018	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		2/1/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		2/1/2018	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		2/1/2018	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		2/1/2018	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		2/1/2018	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		2/1/2018	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		2/1/2018	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/1/2018	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		2/1/2018	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		2/1/2018	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		2/1/2018	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		2/1/2018	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		2/1/2018	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		2/1/2018	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		2/1/2018	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		2/1/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		2/1/2018	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/1/2018	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		2/1/2018	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		2/1/2018	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		2/1/2018	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		2/1/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/1/2018	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/1/2018	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		2/1/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		2/1/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		2/1/2018	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		2/1/2018	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		2/1/2018	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		2/1/2018	CJR	1



**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184C  
**Sample ID** MW-08/4'  
**Sample Matrix** Soil  
**Sample Date** 1/29/2018

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		2/1/2018	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		2/1/2018	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		2/1/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/1/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		2/1/2018	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/1/2018	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/1/2018	CJR	1
SUR - 4-Bromofluorobenzene	99	Rec %			1	8260B		2/1/2018	CJR	1
SUR - Dibromofluoromethane	103	Rec %			1	8260B		2/1/2018	CJR	1
SUR - Toluene-d8	94	Rec %			1	8260B		2/1/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	101	Rec %			1	8260B		2/1/2018	CJR	1

Lab Code 5034184D  
 Sample ID MW-09/4'  
 Sample Matrix Soil  
 Sample Date 1/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	95.4	%			1	5021		2/1/2018	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		2/1/2018	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		2/1/2018	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		2/1/2018	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		2/1/2018	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		2/1/2018	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		2/1/2018	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		2/1/2018	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		2/1/2018	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		2/1/2018	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		2/1/2018	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		2/1/2018	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		2/1/2018	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		2/1/2018	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		2/1/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		2/1/2018	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		2/1/2018	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		2/1/2018	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		2/1/2018	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		2/1/2018	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		2/1/2018	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		2/1/2018	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		2/1/2018	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		2/1/2018	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		2/1/2018	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		2/1/2018	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		2/1/2018	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		2/1/2018	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		2/1/2018	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		2/1/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		2/1/2018	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		2/1/2018	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		2/1/2018	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		2/1/2018	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		2/1/2018	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		2/1/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		2/1/2018	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		2/1/2018	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		2/1/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		2/1/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		2/1/2018	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		2/1/2018	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		2/1/2018	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		2/1/2018	CJR	1

**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184D  
**Sample ID** MW-09/4'  
**Sample Matrix** Soil  
**Sample Date** 1/29/2018

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		2/1/2018	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		2/1/2018	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		2/1/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		2/1/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		2/1/2018	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		2/1/2018	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		2/1/2018	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		2/1/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	112	Rec %			1	8260B		2/1/2018	CJR	1
SUR - 4-Bromofluorobenzene	100	Rec %			1	8260B		2/1/2018	CJR	1
SUR - Dibromofluoromethane	107	Rec %			1	8260B		2/1/2018	CJR	1
SUR - Toluene-d8	94	Rec %			1	8260B		2/1/2018	CJR	1



Lab Code 5034184E  
 Sample ID MW-06  
 Sample Matrix Water  
 Sample Date 1/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		2/2/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		2/2/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		2/2/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		2/2/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		2/2/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		2/2/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		2/2/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		2/2/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		2/2/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		2/2/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		2/2/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		2/2/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		2/2/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		2/2/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		2/2/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		2/2/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		2/2/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		2/2/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		2/2/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		2/2/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		2/2/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		2/2/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		2/2/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		2/2/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		2/2/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		2/2/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		2/2/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		2/2/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		2/2/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		2/2/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		2/2/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		2/2/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		2/2/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		2/2/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		2/2/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		2/2/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		2/2/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		2/2/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		2/2/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		2/2/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		2/2/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		2/2/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		2/2/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		2/2/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		2/2/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		2/2/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		2/2/2018	CJR	1

**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184E  
**Sample ID** MW-06  
**Sample Matrix** Water  
**Sample Date** 1/29/2018

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63		2 1	8260B		2/2/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		2/2/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		2/2/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		2/2/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		2/2/2018	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		2/2/2018	CJR	1
SUR - Dibromofluoromethane	106	REC %			1	8260B		2/2/2018	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		2/2/2018	CJR	1

Lab Code 5034184F  
 Sample ID MW-07  
 Sample Matrix Water  
 Sample Date 1/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		2/2/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		2/2/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		2/2/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		2/2/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		2/2/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		2/2/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		2/2/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		2/2/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		2/2/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		2/2/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		2/2/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		2/2/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		2/2/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		2/2/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		2/2/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		2/2/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		2/2/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		2/2/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		2/2/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		2/2/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		2/2/2018	CJR	1
cis-1,2-Dichloroethene	1.91	ug/l	0.37	1.16	1	8260B		2/2/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		2/2/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		2/2/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		2/2/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		2/2/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		2/2/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		2/2/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		2/2/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		2/2/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		2/2/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		2/2/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		2/2/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		2/2/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		2/2/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		2/2/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		2/2/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		2/2/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		2/2/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		2/2/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		2/2/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		2/2/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		2/2/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		2/2/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		2/2/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		2/2/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		2/2/2018	CJR	1

**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184F  
**Sample ID** MW-07  
**Sample Matrix** Water  
**Sample Date** 1/29/2018

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63		2 1	8260B		2/2/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		2/2/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		2/2/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		2/2/2018	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		2/2/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		2/2/2018	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		2/2/2018	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		2/2/2018	CJR	1



Project Name TWO RIVERS  
 Project #

Invoice # E34184

Lab Code 5034184G  
 Sample ID MW-08  
 Sample Matrix Water  
 Sample Date 1/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		2/2/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		2/2/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		2/2/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		2/2/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		2/2/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		2/2/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		2/2/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		2/2/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		2/2/2018	CJR	1
Chloroform	0.28 "J"	ug/l	0.26	0.82	1	8260B		2/2/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		2/2/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		2/2/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		2/2/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		2/2/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		2/2/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		2/2/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		2/2/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		2/2/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		2/2/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		2/2/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		2/2/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		2/2/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		2/2/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		2/2/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		2/2/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		2/2/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		2/2/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		2/2/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		2/2/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		2/2/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		2/2/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		2/2/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		2/2/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		2/2/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		2/2/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		2/2/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		2/2/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		2/2/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		2/2/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		2/2/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		2/2/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		2/2/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		2/2/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		2/2/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		2/2/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		2/2/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		2/2/2018	CJR	1

**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184G  
**Sample ID** MW-08  
**Sample Matrix** Water  
**Sample Date** 1/29/2018

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		2/2/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		2/2/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		2/2/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		2/2/2018	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		2/2/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		2/2/2018	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		2/2/2018	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		2/2/2018	CJR	1

Lab Code 5034184H  
 Sample ID MW-09  
 Sample Matrix Water  
 Sample Date 1/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		2/2/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		2/2/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		2/2/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		2/2/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		2/2/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		2/2/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		2/2/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		2/2/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		2/2/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		2/2/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		2/2/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		2/2/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		2/2/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		2/2/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		2/2/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		2/2/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		2/2/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		2/2/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		2/2/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		2/2/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		2/2/2018	CJR	1
cis-1,2-Dichloroethene	51	ug/l	0.37	1.16	1	8260B		2/2/2018	CJR	1
trans-1,2-Dichloroethene	70	ug/l	0.34	1.07	1	8260B		2/2/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		2/2/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		2/2/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		2/2/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		2/2/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		2/2/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		2/2/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		2/2/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		2/2/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		2/2/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		2/2/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		2/2/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		2/2/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		2/2/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		2/2/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		2/2/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		2/2/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		2/2/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		2/2/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		2/2/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		2/2/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		2/2/2018	CJR	1
Trichloroethene (TCE)	195	ug/l	0.3	0.94	1	8260B		2/2/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		2/2/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		2/2/2018	CJR	1

**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184H  
**Sample ID** MW-09  
**Sample Matrix** Water  
**Sample Date** 1/29/2018

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63		2 1	8260B		2/2/2018	CJR	1
Vinyl Chloride	0.30 "J"	ug/l	0.2	0.65	1	8260B		2/2/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		2/2/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		2/2/2018	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		2/2/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		2/2/2018	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		2/2/2018	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		2/2/2018	CJR	1

Lab Code 5034184I  
 Sample ID MW-02  
 Sample Matrix Water  
 Sample Date 1/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		2/2/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		2/2/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		2/2/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		2/2/2018	CJR	1
tert-Butylbenzene	0.38 "J"	ug/l	0.25	0.8	1	8260B		2/2/2018	CJR	1
sec-Butylbenzene	5.9	ug/l	0.79	2.53	1	8260B		2/2/2018	CJR	1
n-Butylbenzene	12.3	ug/l	0.71	2.25	1	8260B		2/2/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		2/2/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		2/2/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		2/2/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		2/2/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		2/2/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		2/2/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		2/2/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		2/2/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		2/2/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		2/2/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		2/2/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		2/2/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		2/2/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		2/2/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		2/2/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		2/2/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		2/2/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		2/2/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		2/2/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		2/2/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		2/2/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		2/2/2018	CJR	1
Ethylbenzene	1.82	ug/l	0.26	0.83	1	8260B		2/2/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		2/2/2018	CJR	1
Isopropylbenzene	1.53 "J"	ug/l	0.78	2.47	1	8260B		2/2/2018	CJR	1
p-Isopropyltoluene	6.0	ug/l	0.24	0.76	1	8260B		2/2/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		2/2/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		2/2/2018	CJR	1
Naphthalene	18.3	ug/l	2.1	6.65	1	8260B		2/2/2018	CJR	1
n-Propylbenzene	3.14	ug/l	0.61	1.95	1	8260B		2/2/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		2/2/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		2/2/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		2/2/2018	CJR	1
Toluene	0.20 "J"	ug/l	0.19	0.6	1	8260B		2/2/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		2/2/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		2/2/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		2/2/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		2/2/2018	CJR	1
Trichloroethene (TCE)	4.6	ug/l	0.3	0.94	1	8260B		2/2/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		2/2/2018	CJR	1
1,2,4-Trimethylbenzene	47	ug/l	0.8	2.55	1	8260B		2/2/2018	CJR	1



**Project Name** TWO RIVERS  
**Project #**

**Invoice #** E34184

**Lab Code** 5034184I  
**Sample ID** MW-02  
**Sample Matrix** Water  
**Sample Date** 1/29/2018

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,3,5-Trimethylbenzene	19.9	ug/l	0.63	2	1	8260B		2/2/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		2/2/2018	CJR	1
m&p-Xylene	4.8	ug/l	0.43	1.38	1	8260B		2/2/2018	CJR	1
o-Xylene	9.7	ug/l	0.29	0.93	1	8260B		2/2/2018	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		2/2/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		2/2/2018	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		2/2/2018	CJR	1
SUR - Dibromofluoromethane	107	REC %			1	8260B		2/2/2018	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

***Code***      ***Comment***

1      Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

**Authorized Signature**



Michael J. Steel