Joslin, Richard R - DNR

From: Beth Erdman <berdman@generalengineering.net>
Sent: Friday, December 14, 2018 9:36 AM
To: Joslin, Richard R - DNR
Cc: Brian Youngwirth
Subject: BRRTS# 02-59-563634: 5th and Ellis Street - Phantom (State Lead) Groundwater Results
Attachments: TABLE 2 - GW ELEVATION TABLE.pdf; TABLE 1 - GROUNDWATER RESULTS.pdf; GW Report 11.15.18.pdf; COC GW 11.15.18.pdf; 2018-11 Drum Disposal Bill of Lading.pdf; Invoice.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Rick,

Attached you will find the groundwater analytical data, chain of custody, groundwater elevation table and analytical results table for the above site. The drum disposal documentation and invoice are also attached. Please let me know if you need a hard copy of the invoice. The map you provided properly identify the locations of the wells sampled. No response was ever received from Mr. Burris, the owner of the property where MW600 is located to obtain access to sample the well.

General Engineering appreciates the opportunity to complete this work for the WDNR. If you have questions or additional sampling needs, do not hesitate to contact GEC at any time.

Have a great day,

Beth

Beth A. Erdman
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TABLE 1
GROUNDWATER ANALYTICAL TABLE
5TH AND ELLIS-PHANTOM (STATE LEAD)
SHAWANO, WISCONSIN
BRRTS #: 02-59-563634

Monitoring Well	NR 140		MW-700	MW-900	MW-1000
Sampling Date	**ES**	**PAL**	**11/15/2018**	**11/15/2018**	**11/15/2018**
VOLATILE ORGANIC COMPOUNDS (VOCS) (µg/L)					
Benzene	5	0.5	<0.22	<0.22	<0.22
n-Butylbenzene	NE	NE	<0.71	<0.71	<0.71
1,2 dichloroethane	5	0.5	<0.25	<0.25	0.42J
cis 1,2 dichloroethene	70	7	<0.37	<0.37	*22.4*
trans-1,2 dichloroethene	100	20	<0.34	<0.34	0.84J
Ethylbenzene	700	140	<0.26	<0.26	<0.26
Isopropylbenzene	NE	NE	<0.78	<0.78	<0.78
Methyl tert-butyl ether	60	12	<0.28	8.3	3.3
Naphthalene	100	10	<2.1	<2.1	<2.1
n-Propylbenzene	NE	NE	<0.61	<0.61	<0.61
Tetrachloroethene	5	0.5	<0.38	<0.38	**5.2**
Toluene	1000	200	<0.19	<0.19	<0.19
Trichloroethene	5	0.5	<0.3	<0.3	*2.42*
1,2,4 -Trimethylbenzene	480	96	<0.8	<0.8	<0.8
1,3,5 -Trimethylbenzene			<0.63	<0.63	<0.63
Vinyl Chloride	0.2	0.02	<0.19	**0.22J**	<0.2
Xylenes, -m, -p	10000	1000	<0.72	<0.72	<0.72
Xylenes, -o					

ES = Enforcement Standard
PAL = Preventive Action Limit
µg/L = micrograms per liter
NA = Parameter not analyzed
NE = NR 140 ES not established
J = Analyte detected above laboratory limit of detection but below limit of quantitation.
Bold indicates analytical results above NR 140 ES
Italic indicated analytical results above NR 140 PAL

Note: All other VOC compound were below the laboratory limits of detection

Note: Access to MW600 was not obtained via access agreements submitted and follow up calls by General Engineering and WDNR staff therefore MW600 was not sampled.

TABLE 2
WATER LEVEL DATA
5TH AND ELLIS STREET-PHANTOM (STATE LEAD)
SHAWANO, WISCONSIN
BRRTS #: 02-59-563634

Monitoring Well Number	Top of Well Casing Elevation	Date Measured	Depth to Water (Ft.)	Groundwater Elevation (Ft.)
MW-700	**NM**	11/15/2018	5.59	NM
MW-900	**NM**	11/15/2018	6.35	NM
MW-1000	**NM**	11/15/2018	6.77	NM

ft = feet
NR=Not recorded
NM=Not Measured

STRAIGHT BILL OF LADING - SHORT FORM

Carrier Name: Valley Environmental Response
Carrier Address: 2850 Jackson St
City Oshkosh
State and Zip: Wisconsin 54902 SAC DUNS

Phone 1-800-745-1865 EXT 2
Date

SHIPMENT IDENTIFICATION NO. 11-15-18
FREIGHT BILL PRO NO.

TO: OSI Environmental
Consignee
Address 2253 Progress Way
City Kaukauna WI 54130
State and Zip

TRAILER/CAR NUMBER Response 1

ROUTE

FROM: WDNR
Shipper 5th & GHS St
Address
City Shawano WI 54166
State and zip

SPECIAL INSTRUCTIONS Ground water

FOR PAYMENT SEND BILL TO:
Name Valley Environmental Respons
Address ~~2253~~ 2850 Jackson St
City OSHKOSH WI 54902
State & Zip

SHIPPER'S INTERNAL DATA

SID NO.

Number Shipping Units	*HQ	Kinds of Packaging, Description of Articles, Special Marks and Exceptions	Code	Weight Subject to Correction	Rate	Charges
1		NON Haz, NON RCRA, NON DOT Contaminated Ground water	DM	10 Cubic 80 LBS		

REMIT C.O.D.
TO
Address
City
State & zip

COD
AMT: $

Subject to Section 7 of conditions, if this shipment is o be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor

C.O.D. FEE
PREPAID ☐ $
COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES ARE PREPAID UNLESS MARKED COLLECT

CHECK BOX IF COLLECT ☐

NOTE - Where the rate is dependant on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$ per

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked consigned and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to its destination. It is mutually agreed as to each carrier of all or any of the said property, over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Valley Environmental Response
PER

CARRIER
PER

* Mark "X" or "RQ" if appropriate to designate Hazardous Materials as defined in the Department of Transport Regulations governing the transportation of hazardous materials. The use of this column is an optional method for identifying hazardous materials on bills of lading per Section172.201(a)(1)(iii) of Title 49, Code of Federal Regulations. Also, when shipping hazardous materials the shipper's certification statement prescribed in Section 172.204(a) of the Federal Regulations must be indicated on the bill of lading, unless a specific exemption from this requirement is provided in the Regulations for a particular material.

STRAIGHT BILL OF LADING - SHORT FORM

Carrier Name: Valley Environmental Response
Carrier Address: 2850 Jackson St
City Oshkosh
State and Zip: Wisconsin 54902 SAC

Phone 1-800-745-1865 EXT 2
Date
DUNS

SHIPMENT IDENTIFICATION NO. 11518
FREIGHT BILL PRO NO.

TO: OSI Environmental
Consignee
Address 2253 Progress Way
City Kaukauna WI 54130
State and Zip

TRAILER/CAR NUMBER Response 1

ROUTE

FROM: WDNR
Shipper 5th & Gilson St
Address
City Shawano WI 54166
State and zip

SPECIAL INSTRUCTIONS
Ground water

FOR PAYMENT SEND BILL TO:
Name Valley Environmental Respons
Address ~~2253~~ 2850 Jackson St
City Oshkosh WI 54902
State & Zip

SHIPPER'S INTERNAL DATA

SID NO.

Number Shipping Units	*HQ	Kinds of Packaging, Description of Articles, Special Marks and Exceptions	Code	Weight Subject to Correction	Rate	Charges
1		NON Haz, NON RCRA, NON DOT Contaminated Ground water	Dm	10 Gal 80 LBS		

REMIT C.O.D.
TO
Address
City
State & zip

COD
AMT: $

Subject to Section 7 of conditions, if this shipment is o be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor

C.O.D. FEE
PREPAID ☐ $
COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES ARE PREPAID UNLESS MARKED COLLECT

CHECK BOX IF COLLECT ☐

NOTE - Where the rate is dependant on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

$ per

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked consigned and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to its destination. It is mutually agreed as to each carrier of all or any of the said property, over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Valley Environmental Response
PER

CARRIER
PER

* Mark "X" or "RQ" if appropriate to designate Hazardous Materials as defined in the Department of Transport Regulations governing the transportation of hazardous materials. The use of this column is an optional method for identifying hazardous materials on bills of lading per Section172.201(a)(1)(iii) of Title 49, Code of Federal Regulations. Also, when shipping hazardous materials the shipper's certification statement prescribed in Section 172.204(a) of the Federal Regulations must be indicated on the bill of lading, unless a specific exemption from this requirement is provided in the Regulations for a particular material.

Synergy Environmental Lab, INC

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

BRIAN YOUNGWIRTH
GENERAL ENGINEERING
916 SILVER LAKE DRIVE
PORTAGE. WI 53901

Report Date *28-Nov-18*

Project Name WDNR 5TH & ELLIS/SHAWANO **Invoice #** E35518
Project #

Lab Code 5035518A
Sample ID MW-700
Sample Matrix Water
Sample Date 11/15/2018

	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		11/28/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/28/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/28/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/28/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/28/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/28/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/28/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/28/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/28/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/28/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/28/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/28/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/28/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/28/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/28/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/28/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/28/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/28/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/28/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/28/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		11/28/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/28/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/28/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		11/28/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		11/28/2018	CJR	1

Project Name WDNR 5TH & ELLIS/SHAWANO **Invoice #** E35518
Project #

Lab Code 5035518A
Sample ID MW-700
Sample Matrix Water
Sample Date 11/15/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/28/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/28/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/28/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/28/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/28/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/28/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/28/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/28/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/28/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/28/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/28/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		11/28/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/28/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/28/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/28/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/28/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		11/28/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/28/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/28/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/28/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/28/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/28/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		11/28/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/28/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/28/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/28/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		11/28/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/28/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/28/2018	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		11/28/2018	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		11/28/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	114	REC %			1	8260B		11/28/2018	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		11/28/2018	CJR	1

Project Name WDNR 5TH & ELLIS/SHAWANO **Invoice #** E35518
Project #

Lab Code 5035518B
Sample ID MW-900
Sample Matrix Water
Sample Date 11/15/2018

	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		11/28/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/28/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/28/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/28/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/28/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/28/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/28/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/28/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/28/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/28/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/28/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/28/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/28/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/28/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/28/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/28/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/28/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/28/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/28/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/28/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		11/28/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/28/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/28/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		11/28/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		11/28/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/28/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/28/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/28/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/28/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/28/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/28/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/28/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/28/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/28/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/28/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/28/2018	CJR	1
Methyl tert-butyl ether (MTBE)	8.3	ug/l	0.28	0.89	1	8260B		11/28/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/28/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/28/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/28/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/28/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		11/28/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/28/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/28/2018	CJR	1

Project Name WDNR 5TH & ELLIS/SHAWANO **Invoice #** E35518
Project #

Lab Code 5035518B
Sample ID MW-900
Sample Matrix Water
Sample Date 11/15/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/28/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/28/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/28/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		11/28/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/28/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/28/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/28/2018	CJR	1
Vinyl Chloride	0.22 "J"	ug/l	0.2	0.65	1	8260B		11/28/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/28/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/28/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	115	REC %			1	8260B		11/28/2018	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		11/28/2018	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		11/28/2018	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		11/28/2018	CJR	1

Project Name WDNR 5TH & ELLIS/SHAWANO **Invoice #** E35518
Project #

Lab Code 5035518C
Sample ID MW-1000
Sample Matrix Water
Sample Date 11/15/2018

	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		11/28/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		11/28/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		11/28/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		11/28/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		11/28/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		11/28/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		11/28/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		11/28/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/28/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		11/28/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		11/28/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		11/28/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/28/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		11/28/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		11/28/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		11/28/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		11/28/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		11/28/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		11/28/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		11/28/2018	CJR	1
1,2-Dichloroethane	0.42 "J"	ug/l	0.25	0.78	1	8260B		11/28/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		11/28/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		11/28/2018	CJR	1
cis-1,2-Dichloroethene	22.4	ug/l	0.37	1.16	1	8260B		11/28/2018	CJR	1
trans-1,2-Dichloroethene	0.84 "J"	ug/l	0.34	1.07	1	8260B		11/28/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		11/28/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		11/28/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		11/28/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		11/28/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		11/28/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/28/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		11/28/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		11/28/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		11/28/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		11/28/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		11/28/2018	CJR	1
Methyl tert-butyl ether (MTBE)	3.3	ug/l	0.28	0.89	1	8260B		11/28/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		11/28/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		11/28/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/28/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		11/28/2018	CJR	1
Tetrachloroethene	5.2	ug/l	0.38	1.21	1	8260B		11/28/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		11/28/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		11/28/2018	CJR	1

Project Name WDNR 5TH & ELLIS/SHAWANO **Invoice #** E35518
Project #

Lab Code 5035518C
Sample ID MW-1000
Sample Matrix Water
Sample Date 11/15/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		11/28/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		11/28/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		11/28/2018	CJR	1
Trichloroethene (TCE)	2.42	ug/l	0.3	0.94	1	8260B		11/28/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		11/28/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		11/28/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		11/28/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		11/28/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		11/28/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		11/28/2018	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		11/28/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	120	REC %			1	8260B		11/28/2018	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		11/28/2018	CJR	1
SUR - Dibromofluoromethane	120	REC %			1	8260B		11/28/2018	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

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # Nº 366[illegible]

Page ____ of ____

Sample Handling Request
____ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
____ Normal Turn Around

Lab I.D. #	
Account No. :	**Quote No.:**
Project #:	
Sampler: (signature)	
Project (Name / Location): WDNR - 5th & Ellis / Shawano	
Reports To: Brian Youngwirth	Invoice To:
Company GEC	Company
Address 916 S. Irvin Lake Dr.	Address C/O GEC
City State Zip Portage WI 53901	City State Zip
Phone 608 697 8910	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
503551 8A	MW-700	11/5/14	AM		X	N	2	GW	HCL
B	MW-900	↓	↓		X	N	2	↓	↓
C	MW-1000	↓	↓		X	N	2	↓	↓

Analysis Requested

DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS
												X	
												X	
												X	

Other Analysis

PID/FID

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Client
Temp. of Temp. Blank ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date

Received in Laboratory By: Time: 13:20 Date: 11/20/14