

October 28, 2014

Project Reference #14990

Ms. Victoria Stovall  
Environmental Program Assistant  
Remediation and Redevelopment Program  
Wisconsin Department of Natural Resources  
2300 N. Martin Luther King, Jr. Drive  
Milwaukee, Wisconsin 53212

REC'D NOV 18 2014

Re: Groundwater Sampling Report with Recommendations for Twin Lakes Laundry  
111 South Lake Avenue, Twin Lakes, Wisconsin  
BRRS Activity # 02-30-545024 WDNR FID # 230117910

WDNR Project Manager: Doug Cieslak

Dear Ms. Stovall:

On behalf of Olsen Properties, LLC (OPLLC) The Sigma Group, Inc. (Sigma) recently collected groundwater samples from seven groundwater monitoring wells, one piezometer and select potable wells that had been previously tested in accordance with a letter from the Wisconsin Department of Natural Resources (WDNR) dated September 2, 2014. As a result of the completed groundwater testing activities, Sigma has prepared this report to review and summarize the subsurface conditions encountered during the completion of these activities. In addition, recommendations for additional investigation and testing are also included in this report.

#### **SITE HISTORY**

On March 14, 2006, OPLLC was notified by the WDNR of their responsibility to investigate and remediate contamination pertaining to the release of chlorinated solvent from historic dry cleaning operations at the site identified as Twin Lakes Laundry, 111 S. Lake Avenue, Twin Lakes, Wisconsin (the site). Currently, there are three groundwater monitoring wells located at the site and four monitoring wells and one piezometer located off site that were completed as part of previous investigation activities. A map depicting the approximate locations is provided as **Appendix A**.

Based on information from the previous consultant file (PEP Environmental), the well network was sampled and analyzed for volatile organic compounds (VOCs) in October 2006, March/September 2007, April/October 2008, April/October 2009 and April 2010. Three potable wells were also periodically sampled for VOCs.

In 2008, a sub-slab venting system was installed inside the OPLLC building. The system installed included 3-inch diameter holes cored through the concrete floor slab in the southeast corner of the TLL building. The penetration points are approximately 15 feet apart. The suction system included the installation of a RadonAway brand HS2000 series intake suction fan which was mounted on the exterior wall of the building. In September 2010, a third suction point was located outside the south wall of the building.

#### **SITE RECONNAISSANCE**

Sigma conducted a reconnaissance of the site and surrounding properties during the current groundwater sampling activities. The reconnaissance activities included locating groundwater monitoring wells/piezometer and contacting three properties to sample water from their potable well. During the reconnaissance, the following observations were documented:

- Monitoring well MW-6 was located but is missing the flush mount protective cover.

- The top of the PVC casing at monitoring well MW-5 is broken and the well casing is bent.
- The Straw Hat property located at 126 S. Lake Avenue was closed. A water sample from the potable well could not be collected.
- The property owners at the properties 215 and 216 S. Lake Avenue were contacted and provided Sigma verbal permission to sample their potable wells.
- The Lakeview Motel building was razed but the potable well casing is still visible.

#### **GROUNDWATER SAMPLING**

Groundwater samples were collected from the monitoring wells/piezometer on October 16, 2014. Depth to groundwater ranged between 4.33 feet to 6.53 feet measured from top of casing. Prior to sampling, approximately 52 gallons of water was purged from the existing monitoring wells and piezometer. The water was containerized in a 55-gallon drum and was staged at the site. The depth to groundwater and the volume of water removed are summarized on a Sigma field sheet provided as **Appendix B**. Water sampled from the potable wells was collected from the outside spigot. Sigma purged each potable well by running the water for approximately five minutes. Groundwater sampling from the wells/piezometer was accomplished using bottom-filling, dedicated disposable bailers attached to nylon rope. Each groundwater sample was placed in three clean glass 40 milliliter (ml) vials provided by the laboratory. The groundwater samples were placed in a cooler submitted to Synergy Environmental Lab located in Appleton, Wisconsin. A completed chain of custody form accompanied the samples in transit to the laboratory.

#### **GROUNDWATER SAMPLE RESULTS**

Review of the groundwater analytical data from the three on-site monitoring wells indicates that two on-site monitoring wells (MW-2, MW-3) contain chlorinated VOCs above the Wisconsin Administrative Code NR 140 enforcement standard (ES). These compounds are consistent with dry cleaning solvent. Review of analytical data from the four off-site monitoring wells indicates that reported results are less than the laboratory limit of detection (LOD). A review of the analytical data from the off-site piezometer indicates that chlorinated VOCs were reported by the laboratory above the NR 140 ES and preventive action limit (PAL). A review of analytical data from the two potable well samples indicates the sample from the residence located at 216 S. Lake Avenue reported one chlorinated VOC above the NR 140 PAL in addition to a low level petroleum hydrocarbon compound (methyl-tert-butyl-ether or MTBE) which was below the PAL. The MTBE is not related to the dry cleaner release. The sample collected at 215 S. Lake Avenue reported VOC results as less than the laboratory LOD. A table summarizing the historical sampling data and Sigma's recent groundwater sampling data is included as **Table 1**. The laboratory reports are provided as **Appendix C**.

#### **SUMMARY**

Based on the historical information reviewed and recent groundwater quality data collected by Sigma, chlorinated VOCs from the historic dry cleaning operations have been released to subsurface materials at the site and have migrated off-site to the south/southeast. Chlorinated VOCs above the NR 140 ES are present in two on-site monitoring wells. Additional chlorinated VOCs were detected in the off-site piezometer and one down gradient potable well. Presently, the horizontal and vertical extent of affected soil and groundwater in the area of the site is not fully delineated. Additional site investigation activities and potable well sampling activities recommended for implementation at the site and off-site locations are discussed below.

#### **RECOMMENDED ADDITIONAL SITE INVESTIGATIVE AND POTABLE WELL SAMPLING ACTIVITIES**

Review of the available specific information regarding the OPLLC site indicates that the full extent of chlorinated VOC affected soil and groundwater has not been determined. Therefore, the primary goals of additional investigation activities should be to define the nature and extent of affected soil and groundwater and provide the necessary information to select and implement an appropriate remedial strategy to address the chlorinated VOCs detected in groundwater. Recommended work activities required to achieve the listed goals include the following:

- Preparation and submittal to neighboring property owners access agreements to install off-site monitoring wells.
- Installation of four additional groundwater monitoring wells. Proposed locations are presented on a map provided as **Appendix D**.
- Development of the new wells, repair of monitoring well MW-6 and re-survey all existing and new wells for location and casing elevations.
- Collection and analysis of additional soil and groundwater samples and all monitoring wells and piezometers.
- Evaluate subsurface utilities for vapor and potential migration conduit.
- Preparation and submittal of access agreements to neighboring property owners to sample and analyze water from potable wells. A list of property owners to be contacted is attached as **Appendix E**.
- Preparation of a report summarizing the collected data and presenting conclusions and recommendations.

The need for additional piezometers will be determined after completing the above listed work activities.

#### **SCHEDULE**

Sigma proposes to complete the above activities in approximately three to four months, assuming prompt responses by the WDNR on approving cost for DERF purposes, by property owners approving access agreements and availability of contracted service providers.

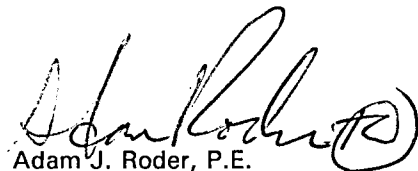
Please contact us at (414) 643-4200 with any questions about this report or the project in general. We look forward to your comments on our recommendations.

Sincerely,


**THE SIGMA GROUP, INC.**



Timothy E. Wimmer, PG  
Senior Project Manager



Adam J. Roder, P.E.  
Senior Engineer



Randy E. Boness, PG  
Geosciences Manager

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Attachments

**Table 1**  
**Potable Water Samples from Drinking Water Wells Analytical Data**  
**Twin Lakes Laundry & Dry Cleaning, 111 South Lake Avenue, Twin Lakes, WI**  
**Sigma Project No. 14990**

Well Location:	Residence, 216 S Lake Ave						126 S Lake Ave		215 S Lake Ave		NR 140 ES	NR 140 PAL	
	Date:	4/18/08	10/30/08	4/30/09	10/23/09	4/16/10	10/16/14	4/30/09	10/16/14	5/25/07			10/16/14
<b>PVOCs &amp; Detected VOCs</b>													
Benzene	µg/L	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	<0.41	NA	<0.20	<0.24	5	0.5
Bromobenzene	µg/L						<0.32		NA		<0.32	NS	NS
Bromodichloromethane	µg/L	<0.20	<0.56	<0.56	<0.56	<0.56	<0.37	<0.56	NA	<0.20	<0.37	0.6	0.06
Bromoform	µg/L						<0.35		NA		<0.35	4.4	0.44
tert-Butylbenzene	µg/L						<0.36		NA		<0.36	NS	NS
sec-Butylbenzene	µg/L						<0.33		NA		<0.33	NS	NS
n-Butylbenzene	µg/L						<0.35		NA		<0.35	NS	NS
Carbon Tetrachloride	µg/L						<0.33		NA		<0.33	5	0.5
Chlorobenzene	µg/L						<0.24		NA		<0.24	NS	NS
Chloroethane	µg/L						<0.63		NA		<0.63	400	80
Chloroform	µg/L	<0.20	<1.3	<1.3	<1.3	<1.3	<0.28	<1.3	NA	<0.20	<0.28	6	0.6
Chloromethane	µg/L	<0.20	<0.24	<0.24	<0.24	<0.24	<0.81	<0.24	NA	<0.20	<0.81	30	3
2-Chlorotoluene	µg/L						<0.21		NA		<0.21	NS	NS
4-Chlorotoluene	µg/L						<0.21		NA		<0.21	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L						<0.88		NA		<0.88	0.2	0.02
Dibromochloromethane	µg/L						<0.22		NA		<0.22	60	6
1,4-Dichlorobenzene	µg/L						<0.3		NA		<0.3	75	15
1,3-Dichlorobenzene	µg/L						<0.28		NA		<0.28	600	120
1,2-Dichlorobenzene	µg/L						<0.36		NA		<0.36	600	60
Dichlorodifluoromethane	µg/L						<0.44		NA		<0.44	1,000	200
1,2-Dichloroethane	µg/L						<0.41		NA		<0.41	5	0.5
1,1-Dichloroethane	µg/L	<0.50	<0.75	<0.75	<0.75	<0.75	<0.3	<0.75	NA	<0.50	<0.3	850	85
1,1-Dichloroethene	µg/L	<0.50	<0.57	<0.57	<0.57	<0.57	<0.4	<0.57	NA	<0.50	<0.4	7	0.7
cis-1,2-Dichloroethene	µg/L	1.4	1.8	2.8	3.5	4.0	<b>11.4</b>	<b>24.6</b>	NA	<0.50	<0.38	70	7
trans-1,2-Dichloroethene	µg/L	<0.50	<0.89	<0.89	<0.89	<0.89	0.36 J	<0.89	NA	<0.50	<0.35	100	20
1,2-Dichloropropane	µg/L						<0.32		NA		<0.32	5	0.5
2,2-Dichloropropane	µg/L						<0.36		NA		<0.36	NS	NS
1,3-Dichloropropane	µg/L						<0.33		NA		<0.33	NS	NS
Di-isopropyl ether	µg/L						<0.23		NA		<0.23	NS	NS
EDB (1,2-Dibromoethane)	µg/L						<0.44		NA		<0.44	0.05	0.005
Ethylbenzene	µg/L	<0.50	<0.54	<0.54	<0.54	<0.54	<0.55	<0.54	NA	<0.50	<0.55	700	140
Hexachlorobutadiene	µg/L						<1.5		NA		<1.5	NS	NS
Isopropylbenzene	µg/L						<0.3		NA		<0.3	NS	NS
p-Isopropyltoluene	µg/L						<0.31		NA		<0.31	NS	NS
Methylene Chloride	µg/L						<0.5		NA		<0.5	5	0.5
Methyl-tert-butyl-ether	µg/L	<0.50	0.92	2.5	4.6	4.4	2.48	1.8	NA	<0.50	<0.23	60	12
Naphthalene	µg/L	<0.25	<0.89	<0.89	<0.89	<0.89	<1.7	<0.89	NA	<0.25	<1.7	100	10
n-Propylbenzene	µg/L						<0.25		NA		<0.25	NS	NS
Styrene	µg/L	<0.20	<0.86	<0.86	<0.86	<0.86	NA	<0.86	NA	<0.20	NA	100	10
1,1,2,2-Tetrachloroethane	µg/L						<0.45		NA		<0.45	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L						<0.33		NA		<0.33	70	7
Tetrachloroethene	µg/L	<0.50	<0.45	<0.45	<0.45	<0.45	<0.33	<0.45	NA	<0.50	<0.33	5	0.5
Toluene	µg/L	<0.20	<0.67	<0.67	<0.67	<0.67	<0.69	<0.67	NA	<0.20	<0.69	1,000	200
1,2,4-Trichlorobenzene	µg/L						<0.98		NA		<0.98	70	14
1,2,3-Trichlorobenzene	µg/L						<1.8		NA		<1.8	NS	NS
1,1,1-Trichloroethane	µg/L	<0.50	<0.90	<0.90	<0.90	<0.90	<0.33	<0.90	NA	<0.50	<0.33	200	40
1,1,2-Trichloroethane	µg/L						<0.34		NA		<0.34	5	0.5
Trichloroethene (TCE)	µg/L	<0.20	<0.48	<0.48	<0.48	<0.48	<0.33	<0.48	NA	<0.20	<0.33	5	0.5
Trichlorofluoromethane	µg/L						<0.71		NA		<0.71	3,490	698
1,2,4-Trimethylbenzene	µg/L	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	<0.97	NA	<0.20	<2.2	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.20	<0.83	<0.83	<0.83	<0.83	<1.4	<0.83	NA	<0.20	<1.4	NS	NS
Total Trimethylbenzene	µg/L	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	<0.97	NA	<0.20	<2.2	480	96
Vinyl Chloride	µg/L						<0.18		NA		<0.18	0.2	0.02
Xylenes, Total	µg/L	<0.50	<1.8	<1.8	<1.8	<1.8	<0.69	<1.8	NA	<0.50	<0.69	10,000	1,000

Notes:

- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- NA = Not Analyzed
- Laboratory flags:
  - \*J\* = Analyte detected between Limit of Detection and Limit of Quantitation.
- Trip blank results:
  - 1/1/13: All VOCs reported below laboratory detection limits.
- Equipment blank results:
  - 1/1/13: All VOCs reported below laboratory detection limits.
- Exceedances:
  - BOLD** = Concentration exceeds NR 140 ES
  - ITALICS** = Concentration exceeds NR 140 PAL
- Special notes:
  - \* = monitoring well screen submerged below water table
  - \*\* = not a statistically valid PAL exceedance per NR 140.14(3)(c)

**Table 1**  
**Potable Water Samples from Drinking Water Wells Analytical Data**  
**Twin Lakes Laundry & Dry Cleaning, 111 South Lake Avenue, Twin Lakes, WI**  
**Sigma Project No. 14990**

Well Location:		MW-1								NR 140 ES	NR 140 PAL
Date:		10/20/06	3/21/07	9/14/07	10/30/08	4/30/09	10/23/09	4/16/10	10/16/14		
<b>PVOCs &amp; Detected VOCs</b>											
Benzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	5	0.5
Bromobenzene	µg/L								<0.32	NS	NS
Bromodichloromethane	µg/L	<0.20	<0.20	<0.20	<0.56	<0.56	<0.56	<0.56	<0.37	0.6	0.06
Bromoform	µg/L								<0.35	4.4	0.44
tert-Butylbenzene	µg/L								<0.36	NS	NS
sec-Butylbenzene	µg/L								<0.33	NS	NS
n-Butylbenzene	µg/L								<0.35	NS	NS
Carbon Tetrachloride	µg/L								<0.33	5	0.5
Chlorobenzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	NS	NS
Chloroethane	µg/L								<0.63	400	80
Chloroform	µg/L	<0.20	<0.20	<0.20	<1.3	<1.3	<1.3	<1.3	<0.28	6	0.6
Chloromethane	µg/L	<0.20	<0.20	1.1	<0.24	14.3	<0.24	<0.24	<0.81	30	3
2-Chlorotoluene	µg/L								<0.21	NS	NS
4-Chlorotoluene	µg/L								<0.21	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L								<0.88	0.2	0.02
Dibromochloromethane	µg/L								<0.22	60	6
1,4-Dichlorobenzene	µg/L								<0.3	75	15
1,3-Dichlorobenzene	µg/L								<0.28	600	120
1,2-Dichlorobenzene	µg/L								<0.36	600	60
Dichlorodifluoromethane	µg/L								<0.44	1,000	200
1,2-Dichloroethane	µg/L								<0.41	5	0.5
1,1-Dichloroethane	µg/L	<0.50	<0.50	<0.50	<0.75	<0.75	<0.75	<0.75	<0.3	850	85
1,1-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.57	<0.57	<0.57	<0.57	<0.4	7	0.7
cis-1,2-Dichloroethene	µg/L	1.1	<0.50	<0.50	<0.83	<0.83	<0.83	<0.83	<0.38	70	7
trans-1,2-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.89	<0.89	<0.89	<0.89	<0.35	100	20
1,2-Dichloropropane	µg/L								<0.32	5	0.5
2,2-Dichloropropane	µg/L								<0.36	NS	NS
1,3-Dichloropropane	µg/L								<0.33	NS	NS
Di-isopropyl ether	µg/L								<0.23	NS	NS
EDB (1,2-Dibromoethane)	µg/L								<0.44	0.05	0.005
Ethylbenzene	µg/L	<0.50	<0.50	<0.50	<0.54	<0.54	<0.54	<0.54	<0.55	700	140
Hexachlorobutadiene	µg/L								<1.5	NS	NS
Isopropylbenzene	µg/L								<0.3	NS	NS
p-Isopropyltoluene	µg/L								<0.31	NS	NS
Methylene Chloride	µg/L								<0.5	5	0.5
Methyl-tert-butyl-ether	µg/L	<0.50	<0.50	<0.50	<0.61	<0.61	<0.61	<0.61	<0.23	60	12
Naphthalene	µg/L	<0.25	<0.25	<0.25	<0.89	<0.89	<0.89	<0.89	<1.7	100	10
n-Propylbenzene	µg/L								<0.25	NS	NS
Styrene	µg/L	<0.20	<0.20	<0.20	<0.86	<0.86	<0.86	<0.86	NA	100	10
1,1,1,2-Tetrachloroethane	µg/L								<0.45	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L								<0.33	70	7
Tetrachloroethene	µg/L	<0.50	<0.50	<0.50	<0.45	<0.45	<0.45	<0.45	<0.33	5	0.5
Toluene	µg/L	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.69	1,000	200
1,2,4-Trichlorobenzene	µg/L								<0.98	70	14
1,2,3-Trichlorobenzene	µg/L								<1.8	NS	NS
1,1,1-Trichloroethane	µg/L	<0.50	<0.50	<0.50	<0.90	<0.90	<0.90	<0.90	<0.33	200	40
1,1,2-Trichloroethane	µg/L								<0.34	5	0.5
Trichloroethene (TCE)	µg/L	0.26	<0.20	<0.20	<0.48	<0.48	<0.48	<0.48	<0.33	5	0.5
Trichlorofluoromethane	µg/L								<0.71	3,490	698
1,2,4-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.83	<0.83	<0.83	<0.83	<1.4	NS	NS
Total Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	480	96
Vinyl Chloride	µg/L	<0.20	<0.20	<0.20	<0.18	<0.18	<0.18	<0.18	<0.18	0.2	0.02
Xylenes, Total	µg/L	<0.50	<0.50	<0.50	<1.8	<1.8	<1.8	<1.8	<0.69	10,000	1,000

Notes:

- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- NA = Not Analyzed
- Laboratory flags:
  - "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
- Trip blank results:
  - 1/1/13: All VOCs reported below laboratory detection limits.
- Equipment blank results:
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- Exceedances:
  - BOLD** = Concentration exceeds NR 140 ES
  - ITALICS** = Concentration exceeds NR 140 PAL
- Special notes:
  - \* = monitoring well screen submerged below water table
  - \*\* = not a statistically valid PAL exceedance per NR 140.14(3)(c)

**Table 1**  
**Potable Water Samples from Drinking Water Wells Analytical Data**  
**Twin Lakes Laundry & Dry Cleaning, 111 South Lake Avenue, Twin Lakes, WI**  
**Sigma Project No. 14990**

Well Location:		MW-2								NR 140 ES	NR 140 PAL
Date:		10/20/06	3/21/07	9/14/07	10/30/08	4/30/09	10/23/09	4/16/10	10/16/14		
<b>PVOCs &amp; Detected VOCs</b>											
Benzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	5	0.5
Bromobenzene	µg/L								<0.32	NS	NS
Bromodichloromethane	µg/L	<0.20	<0.20	<0.20	<0.56	<0.56	<0.56	<0.56	<0.37	0.6	0.06
Bromoform	µg/L								<0.35	4.4	0.44
tert-Butylbenzene	µg/L								<0.36	NS	NS
sec-Butylbenzene	µg/L								<0.33	NS	NS
n-Butylbenzene	µg/L								<0.35	NS	NS
Carbon Tetrachloride	µg/L								<0.33	5	0.5
Chlorobenzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	NS	NS
Chloroethane	µg/L								<0.63	400	80
Chloroform	µg/L	<0.20	<0.20	<0.20	<1.3	<1.3	<1.3	<1.3	<0.28	6	0.6
Chloromethane	µg/L	<0.20	<0.20	1.4	<0.24	<b>14.3</b>	<0.24	<0.24	<0.81	30	3
2-Chlorotoluene	µg/L								<0.21	NS	NS
4-Chlorotoluene	µg/L								<0.21	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L								<0.88	0.2	0.02
Dibromochloromethane	µg/L								<0.22	60	6
1,4-Dichlorobenzene	µg/L								<0.3	75	15
1,3-Dichlorobenzene	µg/L								<0.28	600	120
1,2-Dichlorobenzene	µg/L								<0.36	600	60
Dichlorodifluoromethane	µg/L								<0.44	1,000	200
1,2-Dichloroethane	µg/L								<0.41	5	0.5
1,1-Dichloroethane	µg/L	<0.50	<0.50	<0.50	<0.75	<0.75	<0.75	<0.75	<0.3	850	85
1,1-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.57	<0.57	<0.57	<0.57	<0.4	7	0.7
cis-1,2-Dichloroethene	µg/L	<b>8.7</b>	<b>7.5</b>	<b>7.6</b>	3.0	1.7	2.2	1.8	4.9	70	7
trans-1,2-Dichloroethene	µg/L	2.8	2.5	2.5	0.93	<0.89	1.0	<0.89	1.46	100	20
1,2-Dichloropropane	µg/L								<0.32	5	0.5
2,2-Dichloropropane	µg/L								<0.36	NS	NS
1,3-Dichloropropane	µg/L								<0.33	NS	NS
Di-isopropyl ether	µg/L								<0.23	NS	NS
EDB (1,2-Dibromoethane)	µg/L								<0.44	0.05	0.005
Ethylbenzene	µg/L	<0.50	<0.50	<0.50	<0.54	<0.54	<0.54	<0.54	<0.55	700	140
Hexachlorobutadiene	µg/L								<1.5	NS	NS
Isopropylbenzene	µg/L								<0.3	NS	NS
p-Isopropyltoluene	µg/L								<0.31	NS	NS
Methylene Chloride	µg/L								<0.5	5	0.5
Methyl-tert-butyl-ether	µg/L	4.0	1.9	<0.50	<0.61	<0.61	<0.61	<0.61	<0.23	60	12
Naphthalene	µg/L	<0.25	<0.25	<0.25	<0.89	<0.89	<0.89	<0.89	<1.7	100	10
n-Propylbenzene	µg/L								<0.25	NS	NS
Styrene	µg/L	<0.20	<0.20	<0.20	<0.86	<0.86	<0.86	<0.86	NA	100	10
1,1,2,2-Tetrachloroethane	µg/L								<0.45	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L								<0.33	70	7
Tetrachloroethene	µg/L	<b>73</b>	<b>70</b>	<b>94</b>	<b>153</b>	<b>124</b>	<b>149</b>	<b>54.1</b>	<b>86</b>	5	0.5
Toluene	µg/L	0.41	0.3	0.22	<0.67	<0.67	<0.67	<0.67	<0.69	1,000	200
1,2,4-Trichlorobenzene	µg/L								<0.98	70	14
1,2,3-Trichlorobenzene	µg/L								<1.8	NS	NS
1,1,1-Trichloroethane	µg/L	<0.50	<0.50	<0.50	<0.90	<0.90	<0.90	<0.90	<0.33	200	40
1,1,2-Trichloroethane	µg/L								<0.34	5	0.5
Trichloroethene (TCE)	µg/L	<b>20</b>	<b>17</b>	<b>19</b>	<b>16.9</b>	<b>11.9</b>	<b>15</b>	<b>6.2</b>	<b>9.2</b>	5	0.5
Trichlorofluoromethane	µg/L								<0.71	3,490	698
1,2,4-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.83	<0.83	<0.83	<0.83	<1.4	NS	NS
Total Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	480	96
Vinyl Chloride	µg/L	<0.20	<0.20	<0.20	<0.18	<0.18	<0.18	<0.18	<0.18	0.2	0.02
Xylenes, Total	µg/L	<0.50	<0.50	<0.50	<1.8	<1.8	<1.8	<1.8	<0.69	10,000	1,000

Notes:

- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- NA = Not Analyzed
- Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
- Trip blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Equipment blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Exceedances: **BOLD** = Concentration exceeds NR 140 ES  
**ITALICS** = Concentration exceeds NR 140 PAL
- Special notes: \* = monitoring well screen submerged below water table  
\*\* = not a statistically valid PAL exceedance per NR 140.14(3)(c)

**Table 1**  
**Potable Water Samples from Drinking Water Wells Analytical Data**  
**Twin Lakes Laundry & Dry Cleaning, 111 South Lake Avenue, Twin Lakes, WI**  
**Sigma Project No. 14990**

Well Location:		MW-3								NR 140 ES	NR 140 PAL
Date:		10/20/06	3/21/07	9/14/07	10/30/08	4/30/09	10/23/09	4/16/10	10/16/14		
<b>PVOCs &amp; Detected VOCs</b>											
Benzene	µg/L	0.34	<8.0	<6.4	<16.4	<8.2	<10.2	<10.2	<60	5	0.5
Bromobenzene	µg/L								<80	NS	NS
Bromodichloromethane	µg/L	<0.20	<8.0	<6.4	<22.4	<11.2	<14	<14	<92.5	0.6	0.06
Bromoform	µg/L								<87.5	4.4	0.44
tert-Butylbenzene	µg/L								<90	NS	NS
sec-Butylbenzene	µg/L								<82.5	NS	NS
n-Butylbenzene	µg/L								<87.5	NS	NS
Carbon Tetrachloride	µg/L								<82.5	5	0.5
Chlorobenzene	µg/L	0.31	<8.0	<6.4	<16.4	<8.2	<10.2	<10.2	<60	NS	NS
Chloroethane	µg/L								<157.5	400	80
Chloroform	µg/L	<0.20	<8.0	<6.4	<52	<26	<32.5	<32.5	<70	6	0.6
Chloromethane	µg/L	<0.20	<8.0	<6.4	<9.6	<4.8	<6.0	<6.0	<202.5	30	3
2-Chlorotoluene	µg/L								<52.5	NS	NS
4-Chlorotoluene	µg/L								<52.5	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L								<220	0.2	0.02
Dibromochloromethane	µg/L								<55	60	6
1,4-Dichlorobenzene	µg/L								<75	75	15
1,3-Dichlorobenzene	µg/L								<70	600	120
1,2-Dichlorobenzene	µg/L								<90	600	60
Dichlorodifluoromethane	µg/L								<110	1,000	200
1,2-Dichloroethane	µg/L								<102.5	5	0.5
1,1-Dichloroethane	µg/L	<0.50	<20	<16	<30	<15	<18.8	<18.8	<75	850	85
1,1-Dichloroethene	µg/L	<b>2.5</b>	<20	<16	<22.8	<11.4	<14.2	<14.2	<100	7	0.7
cis-1,2-Dichloroethene	µg/L	<b>5100</b>	<b>1200</b>	<b>1800</b>	<b>808</b>	<b>533</b>	<b>468</b>	<b>495</b>	<b>1950</b>	70	7
trans-1,2-Dichloroethene	µg/L	<b>48</b>	<20	19	<35.6	<b>40.2</b>	<22.2	<22.2	<87.5	100	20
1,2-Dichloropropane	µg/L								<80	5	0.5
2,2-Dichloropropane	µg/L								<90	NS	NS
1,3-Dichloropropane	µg/L								<82.5	NS	NS
Di-isopropyl ether	µg/L								<57.5	NS	NS
EDB (1,2-Dibromoethane)	µg/L								<110	0.05	0.005
Ethylbenzene	µg/L	<0.50	<20	<16	<21.6	<10.8	<13.5	<13.5	<137.5	700	140
Hexachlorobutadiene	µg/L								<375	NS	NS
Isopropylbenzene	µg/L								<75	NS	NS
p-Isopropyltoluene	µg/L								<77.5	NS	NS
Methylene Chloride	µg/L								<125	5	0.5
Methyl-tert-butyl-ether	µg/L	7.9	<20	<16	<24.4	<12.2	<15.2	<15.2	<57.5	60	12
Naphthalene	µg/L	<0.25	<10	<8.0	<35.6	<17.8	<22.2	<22.2	<425	100	10
n-Propylbenzene	µg/L								<62.5	NS	NS
Styrene	µg/L	<0.20	<8.0	<6.4	<34.4	<17.2	<21.5	<21.5	NA	100	10
1,1,2,2-Tetrachloroethane	µg/L								<112.5	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L								<82.5	70	7
Tetrachloroethene	µg/L	<b>1900</b>	<b>1600</b>	<b>2500</b>	<b>2650</b>	<b>3350</b>	<b>3640</b>	<b>3050</b>	<b>12300</b>	5	0.5
Toluene	µg/L	0.93	<8.0	<6.4	<26.8	<13.4	<16.8	<16.8	<172.5	1,000	200
1,2,4-Trichlorobenzene	µg/L								<245	70	14
1,2,3-Trichlorobenzene	µg/L								<450	NS	NS
1,1,1-Trichloroethane	µg/L	<0.50	<20	<16	<36	<18	<22.5	<22.5	<82.5	200	40
1,1,2-Trichloroethane	µg/L								<85	5	0.5
Trichloroethene (TCE)	µg/L	<b>350</b>	<b>470</b>	<b>1100</b>	<b>1090</b>	<b>1240</b>	<b>991</b>	<b>1070</b>	<b>3200</b>	5	0.5
Trichlorofluoromethane	µg/L								<177.5	3,490	698
1,2,4-Trimethylbenzene	µg/L	<0.20	<8.0	<6.4	<38.8	19.4	<24.2	<24.2	<550	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.20	<8.0	<6.4	<33.2	16.6	<20.8	<20.8	<350	NS	NS
Total Trimethylbenzene	µg/L	<0.20	<8.0	<6.4	<38.8	36	<24.2	<24.2	<550	480	96
Vinyl Chloride	µg/L	<b>1.7</b>	<8.0	<6.4	<7.2	<3.6	<4.5	<4.5	<45	0.2	0.02
Xylenes, Total	µg/L	<0.50	<20	<16	<72	<36	<45	<45	<172.5	10,000	1,000

Notes:

- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- NA = Not Analyzed
- Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
- Trip blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Equipment blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Exceedances: **BOLD** = Concentration exceeds NR 140 ES  
**ITALICS** = Concentration exceeds NR 140 PAL
- Special notes: \* = monitoring well screen submerged below water table  
\*\* = not a statistically valid PAL exceedance per NR 140.14(3)(c)

**Table 1**  
**Potable Water Samples from Drinking Water Wells Analytical Data**  
**Twin Lakes Laundry & Dry Cleaning, 111 South Lake Avenue, Twin Lakes, WI**  
**Sigma Project No. 14990**

Well Location:		MW-4								NR 140 ES	NR 140 PAL
Date:		10/20/06	3/21/07	9/14/07	10/30/08	4/30/09	10/23/09	4/16/10	10/16/14		
<b>PVOCs &amp; Detected VOCs</b>											
Benzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	5	0.5
Bromobenzene	µg/L								<0.32	NS	NS
Bromodichloromethane	µg/L	<0.20	<0.20	<0.20	<0.56	<0.56	<0.56	<0.56	<0.37	0.6	0.06
Bromoform	µg/L								<0.35	4.4	0.44
tert-Butylbenzene	µg/L								<0.36	NS	NS
sec-Butylbenzene	µg/L								<0.33	NS	NS
n-Butylbenzene	µg/L								<0.35	NS	NS
Carbon Tetrachloride	µg/L								<0.33	5	0.5
Chlorobenzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	NS	NS
Chloroethane	µg/L								<0.63	400	80
Chloroform	µg/L	<0.20	<0.20	<0.20	<1.3	<1.3	<1.3	<1.3	<0.28	6	0.6
Chloromethane	µg/L	<0.20	<0.20	0.87	<0.24	<0.24	<0.24	<0.24	<0.81	30	3
2-Chlorotoluene	µg/L								<0.21	NS	NS
4-Chlorotoluene	µg/L								<0.21	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L								<0.88	0.2	0.02
Dibromochloromethane	µg/L								<0.22	60	6
1,4-Dichlorobenzene	µg/L								<0.3	75	15
1,3-Dichlorobenzene	µg/L								<0.28	600	120
1,2-Dichlorobenzene	µg/L								<0.36	600	60
Dichlorodifluoromethane	µg/L								<0.44	1,000	200
1,2-Dichloroethane	µg/L								<0.41	5	0.5
1,1-Dichloroethane	µg/L	<0.50	<0.50	<0.50	<0.75	<0.75	<0.75	<0.75	<0.3	850	85
1,1-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.57	<0.57	<0.57	<0.57	<0.4	7	0.7
cis-1,2-Dichloroethene	µg/L	0.84	<0.50	<0.50	<0.83	<0.83	<0.83	<0.83	<0.38	70	7
trans-1,2-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.89	<0.89	<0.89	<0.89	<0.35	100	20
1,2-Dichloropropane	µg/L								<0.32	5	0.5
2,2-Dichloropropane	µg/L								<0.36	NS	NS
1,3-Dichloropropane	µg/L								<0.33	NS	NS
Di-isopropyl ether	µg/L								<0.23	NS	NS
EDB (1,2-Dibromoethane)	µg/L								<0.44	0.05	0.005
Ethylbenzene	µg/L	<0.50	<0.50	<0.50	<0.54	<0.54	<0.54	<0.54	<0.55	700	140
Hexachlorobutadiene	µg/L								<1.5	NS	NS
Isopropylbenzene	µg/L								<0.3	NS	NS
p-Isopropyltoluene	µg/L								<0.31	NS	NS
Methylene Chloride	µg/L								<0.5	5	0.5
Methyl-tert-butyl-ether	µg/L	<0.50	<0.50	<0.50	<0.61	<0.61	<0.61	<0.61	<0.23	60	12
Naphthalene	µg/L	<0.25	<0.25	<0.25	<0.89	<0.89	<0.89	<0.89	<1.7	100	10
n-Propylbenzene	µg/L								<0.25	NS	NS
Styrene	µg/L	<0.20	<0.20	<0.20	<0.86	<0.86	<0.86	<0.86	NA	100	10
1,1,2,2-Tetrachloroethane	µg/L								<0.45	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L								<0.33	70	7
Tetrachloroethene	µg/L	<b>1.4</b>	<0.50	<0.50	<0.45	<0.45	<0.45	<0.45	<0.33	5	0.5
Toluene	µg/L	0.59	0.74	0.41	<0.67	<0.67	<0.67	<0.67	<0.69	1,000	200
1,2,4-Trichlorobenzene	µg/L								<0.98	70	14
1,2,3-Trichlorobenzene	µg/L								<1.8	NS	NS
1,1,1-Trichloroethane	µg/L	<0.50	<0.50	<0.50	<0.90	<0.90	<0.90	<0.90	<0.33	200	40
1,1,2-Trichloroethane	µg/L								<0.34	5	0.5
Trichloroethene (TCE)	µg/L	<b>0.51</b>	<0.20	<0.20	<0.48	<0.48	<0.48	<0.48	<0.33	5	0.5
Trichlorofluoromethane	µg/L								<0.71	3,490	698
1,2,4-Trimethylbenzene	µg/L	<0.20	0.33	0.33	<0.97	<0.97	<0.97	<0.97	<2.2	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.83	<0.83	<0.83	<0.83	<1.4	NS	NS
Total Trimethylbenzene	µg/L	<0.20	0.33	0.33	<0.97	<0.97	<0.97	<0.97	<2.2	480	96
Vinyl Chloride	µg/L	<0.20	<0.20	<0.20	<0.18	<0.18	<0.18	<0.18	<0.18	0.2	0.02
Xylenes, Total	µg/L	<0.50	0.51	0.51	<1.8	<1.8	<1.8	<1.8	<0.69	10,000	1,000

Notes:

- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- NA = Not Analyzed
- Laboratory flags:
  - "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
- Trip blank results:
  - 1/1/13: All VOCs reported below laboratory detection limits.
- Equipment blank results:
  - 1/1/13: All VOCs reported below laboratory detection limits.
- Exceedances:
  - BOLD** = Concentration exceeds NR 140 ES
  - ITALICS** = Concentration exceeds NR 140 PAL
- Special notes:
  - \* = monitoring well screen submerged below water table
  - \*\* = not a statistically valid PAL exceedance per NR 140.14(3)(c)



**Table 1**  
**Potable Water Samples from Drinking Water Wells Analytical Data**  
**Twin Lakes Laundry & Dry Cleaning, 111 South Lake Avenue, Twin Lakes, WI**  
**Sigma Project No. 14990**

Well Location:		MW-5								NR 140 ES	NR 140 PAL
Date:		10/20/06	3/21/07	9/14/07	10/30/08	4/30/09	10/23/09	4/16/10	10/16/14		
<b>PVOCs &amp; Detected VOCs</b>											
Benzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	5	0.5
Bromobenzene	µg/L								<0.32	NS	NS
Bromodichloromethane	µg/L	<0.20	<0.20	<0.20	<0.56	<0.56	<0.56	<0.56	<0.37	0.6	0.06
Bromoform	µg/L								<0.35	4.4	0.44
tert-Butylbenzene	µg/L								<0.36	NS	NS
sec-Butylbenzene	µg/L								<0.33	NS	NS
n-Butylbenzene	µg/L								<0.35	NS	NS
Carbon Tetrachloride	µg/L								<0.33	5	0.5
Chlorobenzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	NS	NS
Chloroethane	µg/L								<0.63	400	80
Chloroform	µg/L	<0.20	<0.20	<0.20	<1.3	<1.3	<1.3	<1.3	<0.28	6	0.6
Chloromethane	µg/L	<0.20	<0.20	1.3	<0.24	<0.24	<0.24	<0.24	<0.81	30	3
2-Chlorotoluene	µg/L								<0.21	NS	NS
4-Chlorotoluene	µg/L								<0.21	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L								<0.88	0.2	0.02
Dibromochloromethane	µg/L								<0.22	60	6
1,4-Dichlorobenzene	µg/L								<0.3	75	15
1,3-Dichlorobenzene	µg/L								<0.28	600	120
1,2-Dichlorobenzene	µg/L								<0.36	600	60
Dichlorodifluoromethane	µg/L								<0.44	1,000	200
1,2-Dichloroethane	µg/L								<0.41	5	0.5
1,1-Dichloroethane	µg/L	<0.50	<0.50	<0.50	<0.75	<0.75	<0.75	<0.75	<0.3	850	85
1,1-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.57	<0.57	<0.57	<0.57	<0.4	7	0.7
cis-1,2-Dichloroethene	µg/L	<0.50	<0.50	1.4	<0.83	<0.83	<0.83	<0.83	<0.38	70	7
trans-1,2-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.89	<0.89	<0.89	<0.89	<0.35	100	20
1,2-Dichloropropane	µg/L								<0.32	5	0.5
2,2-Dichloropropane	µg/L								<0.36	NS	NS
1,3-Dichloropropane	µg/L								<0.33	NS	NS
Di-isopropyl ether	µg/L								<0.23	NS	NS
EDB (1,2-Dibromoethane)	µg/L								<0.44	0.05	0.005
Ethylbenzene	µg/L	<0.50	<0.50	<0.50	<0.54	<0.54	<0.54	<0.54	<0.55	700	140
Hexachlorobutadiene	µg/L								<1.5	NS	NS
Isopropylbenzene	µg/L								<0.3	NS	NS
p-Isopropyltoluene	µg/L								<0.31	NS	NS
Methylene Chloride	µg/L								<0.5	5	0.5
Methyl-tert-butyl-ether	µg/L	<0.50	<0.50	<0.50	<0.61	<0.61	<0.61	<0.61	<0.23	60	12
Naphthalene	µg/L	<0.25	<0.25	<0.25	<0.89	<0.89	<0.89	<0.89	<1.7	100	10
n-Propylbenzene	µg/L								<0.25	NS	NS
Styrene	µg/L	<0.20	<0.20	<0.20	<0.86	<0.86	<0.86	<0.86	NA	100	10
1,1,2,2-Tetrachloroethane	µg/L								<0.45	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L								<0.33	70	7
Tetrachloroethene	µg/L	<b>1.0</b>	<0.50	<0.50	<0.45	<0.45	<0.45	<0.45	<0.33	5	0.5
Toluene	µg/L	0.35	<0.20	0.75	<0.67	<0.67	<0.67	<0.67	<0.69	1,000	200
1,2,4-Trichlorobenzene	µg/L								<0.98	70	14
1,2,3-Trichlorobenzene	µg/L								<1.8	NS	NS
1,1,1-Trichloroethane	µg/L	<0.50	<0.50	<0.50	<0.90	<0.90	<0.90	<0.90	<0.33	200	40
1,1,2-Trichloroethane	µg/L								<0.34	5	0.5
Trichloroethene (TCE)	µg/L	0.21	<0.20	<0.20	<0.48	<0.48	<0.48	<0.48	<0.33	5	0.5
Trichlorofluoromethane	µg/L								<0.71	3,490	698
1,2,4-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.83	<0.83	<0.83	<0.83	<1.4	NS	NS
Total Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	480	96
Vinyl Chloride	µg/L	<0.20	<0.20	<0.20	<0.18	<0.18	<0.18	<0.18	<0.18	0.2	0.02
Xylenes, Total	µg/L	<0.50	<0.50	<0.50	<1.8	<1.8	<1.8	<1.8	<0.69	10,000	1,000

Notes:

- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- NA = Not Analyzed
- Laboratory flags:
  - "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
- Trip blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Equipment blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Exceedances:
  - BOLD** = Concentration exceeds NR 140 ES
  - ITALICS** = Concentration exceeds NR 140 PAL
- Special notes:
  - \* = monitoring well screen submerged below water table
  - \*\* = not a statistically valid PAL exceedance per NR 140.14(3)(c)

**Table 1**  
**Potable Water Samples from Drinking Water Wells Analytical Data**  
**Twin Lakes Laundry & Dry Cleaning, 111 South Lake Avenue, Twin Lakes, WI**  
**Sigma Project No. 14990**

Well Location:		MW-6								NR 140 ES	NR 140 PAL
Date:		10/20/06	3/21/07	9/14/07	10/30/08	4/30/09	10/23/09	4/16/10	10/16/14		
<b>PVOCs &amp; Detected VOCs</b>											
Benzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	5	0.5
Bromobenzene	µg/L								<0.32	NS	NS
Bromodichloromethane	µg/L	<0.20	<0.20	<0.20	<0.56	<0.56	<0.56	<0.56	<0.37	0.6	0.06
Bromoform	µg/L								<0.35	4.4	0.44
tert-Butylbenzene	µg/L								<0.36	NS	NS
sec-Butylbenzene	µg/L								<0.33	NS	NS
n-Butylbenzene	µg/L								<0.35	NS	NS
Carbon Tetrachloride	µg/L								<0.33	5	0.5
Chlorobenzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	NS	NS
Chloroethane	µg/L								<0.63	400	80
Chloroform	µg/L	<0.20	<0.20	<0.20	<1.3	<1.3	<1.3	<1.3	<0.28	6	0.6
Chloromethane	µg/L	<0.20	<0.20	<0.20	<0.24	<0.24	<0.24	<0.24	<0.81	30	3
2-Chlorotoluene	µg/L								<0.21	NS	NS
4-Chlorotoluene	µg/L								<0.21	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L								<0.88	0.2	0.02
Dibromochloromethane	µg/L								<0.22	60	6
1,4-Dichlorobenzene	µg/L								<0.3	75	15
1,3-Dichlorobenzene	µg/L								<0.28	600	120
1,2-Dichlorobenzene	µg/L								<0.36	600	60
Dichlorodifluoromethane	µg/L								<0.44	1,000	200
1,2-Dichloroethane	µg/L								<0.41	5	0.5
1,1-Dichloroethane	µg/L	<0.50	<0.50	<0.50	<0.75	<0.75	<0.75	<0.75	<0.3	850	85
1,1-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.57	<0.57	<0.57	<0.57	<0.4	7	0.7
cis-1,2-Dichloroethene	µg/L	<b>11</b>	0.87	0.98	<0.83	3.1	<0.83	2.6	<0.38	70	7
trans-1,2-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.89	<0.89	<0.89	<0.89	<0.35	100	20
1,2-Dichloropropane	µg/L								<0.32	5	0.5
2,2-Dichloropropane	µg/L								<0.36	NS	NS
1,3-Dichloropropane	µg/L								<0.33	NS	NS
Di-isopropyl ether	µg/L								<0.23	NS	NS
EDB (1,2-Dibromoethane)	µg/L								<0.44	0.05	0.005
Ethylbenzene	µg/L	<0.50	<0.50	<0.50	<0.54	<0.54	<0.54	<0.54	<0.55	700	140
Hexachlorobutadiene	µg/L								<1.5	NS	NS
Isopropylbenzene	µg/L								<0.3	NS	NS
p-Isopropyltoluene	µg/L								<0.31	NS	NS
Methylene Chloride	µg/L								<0.5	5	0.5
Methyl-tert-butyl-ether	µg/L	<0.50	<0.50	<0.50	<0.61	<0.61	<0.61	<0.61	<0.23	60	12
Naphthalene	µg/L	<0.25	<0.25	<0.25	<0.89	<0.89	<0.89	<0.89	<1.7	100	10
n-Propylbenzene	µg/L								<0.25	NS	NS
Styrene	µg/L	<0.20	<0.20	<0.20	<0.86	<0.86	<0.86	<0.86	NA	100	10
1,1,2,2-Tetrachloroethane	µg/L								<0.45	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L								<0.33	70	7
Tetrachloroethene	µg/L	<b>1.8</b>	<0.50	<0.50	<0.45	<0.45	<0.45	<0.45	<0.33	5	0.5
Toluene	µg/L	0.45	0.27	0.23	<0.67	<0.67	<0.67	<0.67	<0.69	1,000	200
1,2,4-Trichlorobenzene	µg/L								<0.98	70	14
1,2,3-Trichlorobenzene	µg/L								<1.8	NS	NS
1,1,1-Trichloroethane	µg/L	<0.50	<0.50	<0.50	<0.90	<0.90	<0.90	<0.90	<0.33	200	40
1,1,2-Trichloroethane	µg/L								<0.34	5	0.5
Trichloroethene (TCE)	µg/L	<b>6.0</b>	<b>0.93</b>	<b>0.87</b>	<0.48	<0.48	<0.48	<0.48	<0.33	5	0.5
Trichlorofluoromethane	µg/L								<0.71	3,490	698
1,2,4-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.83	<0.83	<0.83	<0.83	<1.4	NS	NS
Total Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	480	96
Vinyl Chloride	µg/L	<0.20	<0.20	<0.20	<0.18	<0.18	<0.18	<0.18	<0.18	0.2	0.02
Xylenes, Total	µg/L	<0.50	<0.50	<0.50	<1.8	<1.8	<1.8	<1.8	<0.69	10,000	1,000

Notes:

- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- NA = Not Analyzed
- Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
- Trip blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Equipment blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Exceedances: **BOLD** = Concentration exceeds NR 140 ES  
**ITALICS** = Concentration exceeds NR 140 PAL
- Special notes: \* = monitoring well screen submerged below water table  
\*\* = not a statistically valid PAL exceedance per NR 140.14(3)(c)

**Table 1**  
**Potable Water Samples from Drinking Water Wells Analytical Data**  
**Twin Lakes Laundry & Dry Cleaning, 111 South Lake Avenue, Twin Lakes, WI**  
**Sigma Project No. 14990**

Well Location:		MW-7								NR 140 ES	NR 140 PAL
Date:		10/20/06	3/21/07	9/14/07	10/30/08	4/30/09	10/23/09	4/16/10	10/16/14		
<b>PVOCs &amp; Detected VOCs</b>											
Benzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	5	0.5
Bromobenzene	µg/L								<0.32	NS	NS
Bromodichloromethane	µg/L	<0.20	<0.20	<0.20	<0.56	<0.56	<0.56	<0.56	<0.37	0.6	0.06
Bromoform	µg/L								<0.35	4.4	0.44
tert-Butylbenzene	µg/L								<0.36	NS	NS
sec-Butylbenzene	µg/L								<0.33	NS	NS
n-Butylbenzene	µg/L								<0.35	NS	NS
Carbon Tetrachloride	µg/L								<0.33	5	0.5
Chlorobenzene	µg/L	<0.20	<0.20	<0.20	<0.41	<0.41	<0.41	<0.41	<0.24	NS	NS
Chloroethane	µg/L								<0.63	400	80
Chloroform	µg/L	<0.20	<0.20	<0.20	<1.3	<1.3	<1.3	<1.3	<0.28	6	0.6
Chloromethane	µg/L	<0.20	<0.20	0.98	<0.24	<0.24	<0.24	<0.24	<0.81	30	3
2-Chlorotoluene	µg/L								<0.21	NS	NS
4-Chlorotoluene	µg/L								<0.21	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L								<0.88	0.2	0.02
Dibromochloromethane	µg/L								<0.22	60	6
1,4-Dichlorobenzene	µg/L								<0.3	75	15
1,3-Dichlorobenzene	µg/L								<0.28	600	120
1,2-Dichlorobenzene	µg/L								<0.36	600	60
Dichlorodifluoromethane	µg/L								<0.44	1,000	200
1,2-Dichloroethane	µg/L								<0.41	5	0.5
1,1-Dichloroethane	µg/L	<0.50	<0.50	<0.50	<0.75	<0.75	<0.75	<0.75	<0.3	850	85
1,1-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.57	<0.57	<0.57	<0.57	<0.4	7	0.7
cis-1,2-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.83	<0.83	<0.83	<0.83	<0.38	70	7
trans-1,2-Dichloroethene	µg/L	<0.50	<0.50	<0.50	<0.89	<0.89	<0.89	<0.89	<0.35	100	20
1,2-Dichloropropane	µg/L								<0.32	5	0.5
2,2-Dichloropropane	µg/L								<0.36	NS	NS
1,3-Dichloropropane	µg/L								<0.33	NS	NS
Di-isopropyl ether	µg/L								<0.23	NS	NS
EDB (1,2-Dibromoethane)	µg/L								<0.44	0.05	0.005
Ethylbenzene	µg/L	<0.50	<0.50	<0.50	<0.54	<0.54	<0.54	<0.54	<0.55	700	140
Hexachlorobutadiene	µg/L								<1.5	NS	NS
Isopropylbenzene	µg/L								<0.3	NS	NS
p-Isopropyltoluene	µg/L								<0.31	NS	NS
Methylene Chloride	µg/L								<0.5	5	0.5
Methyl-tert-butyl-ether	µg/L	<0.50	<0.50	<0.50	<0.61	<0.61	<0.61	<0.61	<0.23	60	12
Naphthalene	µg/L	<0.25	<0.25	<0.25	<0.89	<0.89	<0.89	<0.89	<1.7	100	10
n-Propylbenzene	µg/L								<0.25	NS	NS
Styrene	µg/L	<0.20	<0.20	<0.20	<0.86	<0.86	<0.86	<0.86	NA	100	10
1,1,2,2-Tetrachloroethane	µg/L								<0.45	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L								<0.33	70	7
Tetrachloroethene	µg/L	<b>1.7</b>	<0.50	<0.50	<0.45	<0.45	<0.45	<0.45	<0.33	5	0.5
Toluene	µg/L	0.40	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.69	1,000	200
1,2,4-Trichlorobenzene	µg/L								<0.98	70	14
1,2,3-Trichlorobenzene	µg/L								<1.8	NS	NS
1,1,1-Trichloroethane	µg/L	<0.50	<0.50	<0.50	<0.90	<0.90	<0.90	<0.90	<0.33	200	40
1,1,2-Trichloroethane	µg/L								<0.34	5	0.5
Trichloroethene (TCE)	µg/L	0.4	<0.20	<0.20	<0.48	<0.48	<0.48	<0.48	<0.33	5	0.5
Trichlorofluoromethane	µg/L								<0.71	3,490	698
1,2,4-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	NS	NS
1,3,5-Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.83	<0.83	<0.83	<0.83	<1.4	NS	NS
Total Trimethylbenzene	µg/L	<0.20	<0.20	<0.20	<0.97	<0.97	<0.97	<0.97	<2.2	480	96
Vinyl Chloride	µg/L	<0.20	<0.20	<0.20	<0.18	<0.18	<0.18	<0.18	<0.18	0.2	0.02
Xylenes, Total	µg/L	<0.50	<0.50	<0.50	<1.8	<1.8	<1.8	<1.8	<0.69	10,000	1,000

Notes:

- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- NA = Not Analyzed
- Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
- Trip blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Equipment blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Exceedances: **BOLD** = Concentration exceeds NR 140 ES  
**ITALICS** = Concentration exceeds NR 140 PAL
- Special notes: \* = monitoring well screen submerged below water table  
\*\* = not a statistically valid PAL exceedance per NR 140.14(3)(c)

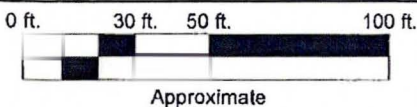
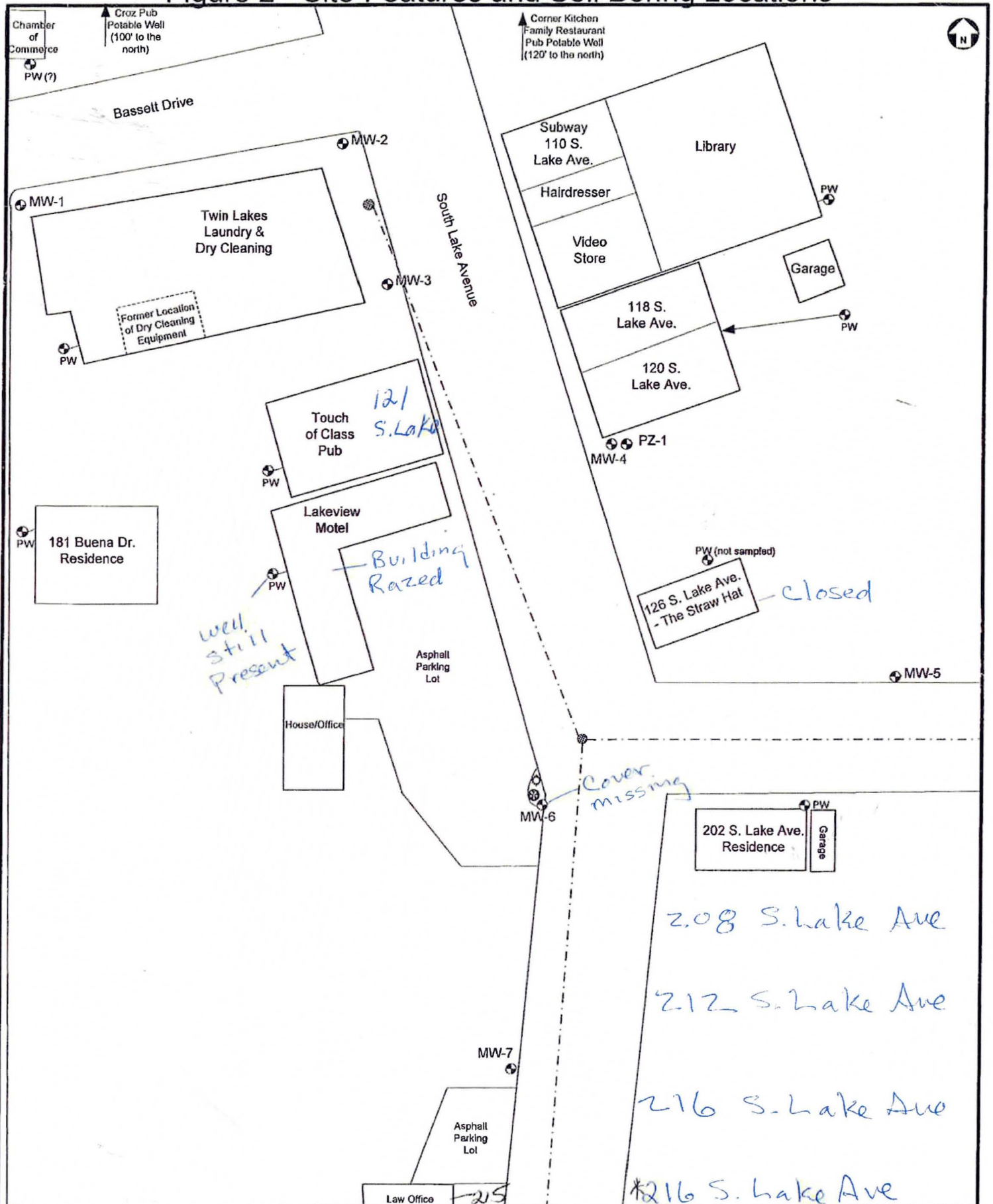
**Table 1**  
**Potable Water Samples from Drinking Water Wells Analytical Data**  
**Twin Lakes Laundry & Dry Cleaning, 111 South Lake Avenue, Twin Lakes, WI**  
**Sigma Project No. 14990**

Well Location:		PZ-1								NR 140 ES	NR 140 PAL
Date:		10/20/06	3/21/07	9/14/07	10/30/08	4/30/09	10/23/09	4/16/10	10/16/14		
<b>PVOCs &amp; Detected VOCs</b>											
Benzene	µg/L	<2.0	<0.20	<2.0	<2.0	<4.1	<4.1	<4.1	<4.8	5	0.5
Bromobenzene	µg/L								<6.4	NS	NS
Bromodichloromethane	µg/L	<2.0	<0.20	<2.0	<2.8	<5.6	<5.6	<5.6	<7.4	0.6	0.06
Bromoform	µg/L								<7.0	4.4	0.44
tert-Butylbenzene	µg/L								<7.2	NS	NS
sec-Butylbenzene	µg/L								<6.6	NS	NS
n-Butylbenzene	µg/L								<7.0	NS	NS
Carbon Tetrachloride	µg/L								<6.6	5	0.5
Chlorobenzene	µg/L	<2.0	<0.20	<2.0	<2.0	<4.1	<4.1	<4.1	<4.8	NS	NS
Chloroethane	µg/L								<12.6	400	80
Chloroform	µg/L	<2.0	<0.20	<2.0	<6.5	<13	<13	<13	<5.6	6	0.6
Chloromethane	µg/L	<2.0	<0.20	<2.0	<1.2	<2.4	<2.4	<2.4	<16.2	30	3
2-Chlorotoluene	µg/L								<4.2	NS	NS
4-Chlorotoluene	µg/L								<4.2	NS	NS
1,2-Dibromo-3-Chloropropane	µg/L								<17.6	0.2	0.02
Dibromochloromethane	µg/L								<4.4	60	6
1,4-Dichlorobenzene	µg/L								<6.0	75	15
1,3-Dichlorobenzene	µg/L								<5.6	600	120
1,2-Dichlorobenzene	µg/L								<7.2	600	60
Dichlorodifluoromethane	µg/L								<8.8	1,000	200
1,2-Dichloroethane	µg/L								<8.2	5	0.5
1,1-Dichloroethane	µg/L	<5.0	<0.50	<5.0	<3.8	<7.5	<7.5	<7.5	<6.0	850	85
1,1-Dichloroethene	µg/L	<5.0	<0.50	<5.0	<2.8	<5.7	<5.7	<5.7	<8.0	7	0.7
cis-1,2-Dichloroethene	µg/L	<b>510</b>	<b>710</b>	<b>540</b>	<b>469</b>	<b>722</b>	<b>968</b>	<b>742</b>	<b>390</b>	70	7
trans-1,2-Dichloroethene	µg/L	6.4	17	17	<b>29.4</b>	<b>73.7</b>	<b>50</b>	<b>38.5</b>	<b>142.2 J</b>	100	20
1,2-Dichloropropane	µg/L								<6.4	5	0.5
2,2-Dichloropropane	µg/L								<7.2	NS	NS
1,3-Dichloropropane	µg/L								<6.6	NS	NS
Di-isopropyl ether	µg/L								<4.6	NS	NS
EDB (1,2-Dibromoethane)	µg/L								<8.8	0.05	0.005
Ethylbenzene	µg/L	<5.0	<0.50	<5.0	<2.7	<5.4	<5.4	<5.4	<11	700	140
Hexachlorobutadiene	µg/L								<30	NS	NS
Isopropylbenzene	µg/L								<6.0	NS	NS
p-Isopropyltoluene	µg/L								<6.2	NS	NS
Methylene Chloride	µg/L								<10	5	0.5
Methyl-tert-butyl-ether	µg/L	<5.0	8.3	<5.0	7.4	<6.1	<6.1	<6.1	<4.6	60	12
Naphthalene	µg/L	<2.5	<0.25	<2.5	<4.4	<8.9	<8.9	<8.9	<34	100	10
n-Propylbenzene	µg/L								<5.0	NS	NS
Styrene	µg/L	<2.0	<0.20	<2.0	<4.3	<8.6	<8.6	<8.6	NA	100	10
1,1,2,2-Tetrachloroethane	µg/L								<9.0	0.2	0.02
1,1,1,2-Tetrachloroethane	µg/L								<6.6	70	7
Tetrachloroethene	µg/L	<5.0	<0.50	<5.0	<2.2	<4.5	<4.5	<4.5	<6.6	5	0.5
Toluene	µg/L	<2.0	<0.20	<2.0	<3.4	<6.7	<6.7	<6.7	<13.8	1,000	200
1,2,4-Trichlorobenzene	µg/L								<19.6	70	14
1,2,3-Trichlorobenzene	µg/L								<36	NS	NS
1,1,1-Trichloroethane	µg/L	<5.0	<0.50	<5.0	<4.5	<9.0	<9.0	<9.0	<6.6	200	40
1,1,2-Trichloroethane	µg/L								<6.8	5	0.5
Trichloroethene (TCE)	µg/L	<b>20</b>	<b>28</b>	<b>17</b>	<b>15.2</b>	<b>10.3</b>	<b>9.4</b>	<b>5.7</b>	<6.6	5	0.5
Trichlorofluoromethane	µg/L								<14.2	3,490	698
1,2,4-Trimethylbenzene	µg/L	<2.0	<0.20	<2.0	<4.8	<9.7	<9.7	<9.7	<44	NS	NS
1,3,5-Trimethylbenzene	µg/L	<2.0	<0.20	<2.0	<4.2	<8.3	<8.3	<8.3	<28	NS	NS
Total Trimethylbenzene	µg/L	<2.0	<0.20	<2.0	<4.8	<9.7	<9.7	<9.7	<44	480	96
Vinyl Chloride	µg/L	<2.0	<b>1.1</b>	<2.0	<b>1.8</b>	<1.8	<b>5.6</b>	<b>4.5</b>	<3.6	0.2	0.02
Xylenes, Total	µg/L	<5.0	<0.50	<5.0	<9.0	<18	<18	<18	<13.8	10,000	1,000

Notes:

- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- NS = no standard
- µg/L = micrograms per liter (equivalent to parts per billion, ppb)
- NA = Not Analyzed
- Laboratory flags: "J" = Analyte detected between Limit of Detection and Limit of Quantitation.
- Trip blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Equipment blank results: 1/1/13: All VOCs reported below laboratory detection limits.
- Exceedances: **BOLD** = Concentration exceeds NR 140 ES  
**ITALICS** = Concentration exceeds NR 140 PAL
- Special notes: \* = monitoring well screen submerged below water table  
\*\* = not a statistically valid PAL exceedance per NR 140.14(3)(c)

Figure 2 - Site Features and Soil Boring Locations



- Soil Boring Location and Number
- Manhole
- SS Storm Sewer
- SAN Sanitary Sewer

PEP Environmental Services, LLC	
Twin Lakes Laundry Twin Lakes, WI	26010.01

SUMMARY SHEET FOR GROUNDWATER SERVICES

Project # 14990 Date 10-16-14  
 Project Name: Twin Lakes Laundry  
 Project Location: 111 S. Lake Avenue, Twin Lakes, WI  
 Weather: Overcast, light drizzle Field Service Personnel: D.D.  
 Analytes: VOCS  
 Purging Device / Sampling Device  
 Type of Device: Disposable Bailer / Peristaltic Pump  
 How was Device Decontaminated: Sigma's Standard Operating Procedures  
 How was the Line Decontaminated: New Line / New Tubing

Well Volume	Monitoring Well IDs								126	215
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	PZ 1	S Lake	S Lake
Well Diameter	2"	2"	2"	2"	2"	2"	2"	2"	X	X
Stickup/Flushmount	Flush	Flush	Flush	Flush	Flush	Flush	Flush	Flush	X	X
Depth to Bottom (ft)	14.40	14.30	14.40	14.40	13.40	14.50	12.80	34.60	X	X
Depth to Water (ft)	6.53	5.91	5.74	5.15	4.33	5.13	3.13	5.04	X	X
Length of Water (ft)	7.87	8.39	8.66	9.25	9.07	9.37	9.67	29.56	X	X
Volume (gal)	1.26	1.34	1.38	1.48	1.45	1.50	1.54	4.73	X	X
x4	5.0	5.3	5.5	5.9	5.8	6.0	6.2	19.0	X	X
Time Purged									X	X
Time Sampled	9:45	9:55	10:07	11:06	12:20	1:00	12:50	11:10	12:00	11:38

In-Situ Testing	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	PZ 1	S Lake	S Lake
D.O. (mg/l)	X	X	X	X	X	X	X	X	X	X
Redox (mV)	X	X	X	X	X	X	X	X	X	X
pH (S.U.)	X	X	X	X	X	X	X	X	X	X
Conductivity (uS/cm)	X	X	X	X	X	X	X	X	X	X
Ferrous Fe (mg/L)	X	X	X	X	X	X	X	X	X	X
Temperature (°C)	X	X	X	X	X	X	X	X	X	X
Turbidity (C/T/O)	clear	turbid	clear	clear	turbid	Slight turbid	mostly clear	mostly clear	clear	clear
Odor (Y or N)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Volume (Gallons)	5.0	5.5	4.0	3.0	5.0	3.0	6.0	20.0	20.0	20.0
Well Recovery	Good	Good	going dry Fair	Slightly cloudy Fair	Fair	going dry Fair	Good	Good	?	?

Note: Above is for one well volume.

Well Size	Gallons/Linear Foot
2 inch	x 0.16
4 inch	x 0.65
6 inch	x 1.47

Notes  
 \* Dup at MW-3  
 215 S. Lake "Low Firm" (outside spigot)  
 52 gallons purge water

## 10-16-14 Twin Lakes Laundry

# 14990 001

111 S. Lake Ave.  
Twin Lakes, WI

- Arrived on site and located wells.
- Can not locate MW-6, for now 8:30 AM
- MW-6 was located; It has NO flushmount, but PVC is still intact with a expandable plug.
- Purged and Sampled MW: 1, 2, 3, 4, PZ-1, MW-5, 6, 7 for VOC's
- Duplicate poured at MW-3 / Trip blank provided by Lab
- Sampled 215 S. Lake Ave. "Low Firm" for VOC's  
Mary Herkman - outside spigot
- Sampled 126 S. Lake Ave. "Victor Marquez" for VOC's  
cell 262-676-4065 - out side spigot
- Samples to "Synergy Labs" Wrote on C.O.C  
"Results due Morning of Fri. Oct. 24, 2014"
- All purge water left on site, behind Laundry Mat by Dumpsters  
2-55 gal. drum.
- MW-5 TOC of PVC is broken, no top plug, plus PVC is Bent  
Difficult to get bailer down  
Recommend to use peristaltic pump next sampling event.

Equip. used: 8 bailers, 1 WLI, 1 drum, 117 miles

D. Dailey

Read and Understood By

10-16-14

Checked

Checked

# Synergy Environmental Lab, INC.

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

TIM WIMMER  
THE SIGMA GROUP, INC.  
1300 W. CANAL STREET  
MILWAUKEE, WI 53233

Report Date 23-Oct-14

Project Name TWIN LAKES LAUNDRY  
Project # 14990  
Lab Code 5027903A  
Sample ID MW-1  
Sample Matrix Water  
Sample Date 10/16/2014

Invoice # E27903

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/21/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/21/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/21/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/21/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/21/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/21/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/21/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/21/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/21/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/21/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/21/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/21/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/21/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1



Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903A  
 Sample ID MW-1  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/21/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/21/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/21/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/21/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/21/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/21/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/21/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/21/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/21/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/21/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/21/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/21/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/21/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			1	8260B		10/21/2014	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		10/21/2014	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		10/21/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			1	8260B		10/21/2014	CJR	1

Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903B  
 Sample ID MW-2  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/22/2014	CJR	1
cis-1,2-Dichloroethene	4.9	ug/l	0.38	1.2	1	8260B		10/22/2014	CJR	1
trans-1,2-Dichloroethene	1.46	ug/l	0.35	1.1	1	8260B		10/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/22/2014	CJR	4
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/22/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/22/2014	CJR	1
Tetrachloroethene	86	ug/l	0.33	1.1	1	8260B		10/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/22/2014	CJR	1
Trichloroethene (TCE)	9.2	ug/l	0.33	1	1	8260B		10/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/22/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		10/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	117	REC %			1	8260B		10/22/2014	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		10/22/2014	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		10/22/2014	CJR	1

Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903C  
 Sample ID MW-3  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 60	ug/l	60	192.5	250	8260B		10/22/2014	CJR	1
Bromobenzene	< 80	ug/l	80	250	250	8260B		10/22/2014	CJR	1
Bromodichloromethane	< 92.5	ug/l	92.5	300	250	8260B		10/22/2014	CJR	1
Bromoform	< 87.5	ug/l	87.5	275	250	8260B		10/22/2014	CJR	1
tert-Butylbenzene	< 90	ug/l	90	300	250	8260B		10/22/2014	CJR	1
sec-Butylbenzene	< 82.5	ug/l	82.5	250	250	8260B		10/22/2014	CJR	1
n-Butylbenzene	< 87.5	ug/l	87.5	275	250	8260B		10/22/2014	CJR	1
Carbon Tetrachloride	< 82.5	ug/l	82.5	275	250	8260B		10/22/2014	CJR	1
Chlorobenzene	< 60	ug/l	60	192.5	250	8260B		10/22/2014	CJR	1
Chloroethane	< 157.5	ug/l	157.5	500	250	8260B		10/22/2014	CJR	1
Chloroform	< 70	ug/l	70	220	250	8260B		10/22/2014	CJR	1
Chloromethane	< 202.5	ug/l	202.5	650	250	8260B		10/22/2014	CJR	1
2-Chlorotoluene	< 52.5	ug/l	52.5	165	250	8260B		10/22/2014	CJR	1
4-Chlorotoluene	< 52.5	ug/l	52.5	170	250	8260B		10/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 220	ug/l	220	700	250	8260B		10/22/2014	CJR	1
Dibromochloromethane	< 55	ug/l	55	175	250	8260B		10/22/2014	CJR	1
1,4-Dichlorobenzene	< 75	ug/l	75	240	250	8260B		10/22/2014	CJR	1
1,3-Dichlorobenzene	< 70	ug/l	70	222.5	250	8260B		10/22/2014	CJR	1
1,2-Dichlorobenzene	< 90	ug/l	90	300	250	8260B		10/22/2014	CJR	1
Dichlorodifluoromethane	< 110	ug/l	110	350	250	8260B		10/22/2014	CJR	1
1,2-Dichloroethane	< 102.5	ug/l	102.5	325	250	8260B		10/22/2014	CJR	1
1,1-Dichloroethane	< 75	ug/l	75	242.5	250	8260B		10/22/2014	CJR	1
1,1-Dichloroethene	< 100	ug/l	100	325	250	8260B		10/22/2014	CJR	1
cis-1,2-Dichloroethene	1950	ug/l	95	300	250	8260B		10/22/2014	CJR	1
trans-1,2-Dichloroethene	< 87.5	ug/l	87.5	275	250	8260B		10/22/2014	CJR	1
1,2-Dichloropropane	< 80	ug/l	80	250	250	8260B		10/22/2014	CJR	1
2,2-Dichloropropane	< 90	ug/l	90	300	250	8260B		10/22/2014	CJR	4
1,3-Dichloropropane	< 82.5	ug/l	82.5	250	250	8260B		10/22/2014	CJR	1
Di-isopropyl ether	< 57.5	ug/l	57.5	182.5	250	8260B		10/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 110	ug/l	110	350	250	8260B		10/22/2014	CJR	1
Ethylbenzene	< 137.5	ug/l	137.5	425	250	8260B		10/22/2014	CJR	1
Hexachlorobutadiene	< 375	ug/l	375	1200	250	8260B		10/22/2014	CJR	1
Isopropylbenzene	< 75	ug/l	75	240	250	8260B		10/22/2014	CJR	1
p-Isopropyltoluene	< 77.5	ug/l	77.5	245	250	8260B		10/22/2014	CJR	1
Methylene chloride	< 125	ug/l	125	400	250	8260B		10/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 57.5	ug/l	57.5	185	250	8260B		10/22/2014	CJR	1
Naphthalene	< 425	ug/l	425	1375	250	8260B		10/22/2014	CJR	1
n-Propylbenzene	< 62.5	ug/l	62.5	202.5	250	8260B		10/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 112.5	ug/l	112.5	350	250	8260B		10/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 82.5	ug/l	82.5	275	250	8260B		10/22/2014	CJR	1
Tetrachloroethene	12300	ug/l	82.5	275	250	8260B		10/22/2014	CJR	1
Toluene	< 172.5	ug/l	172.5	550	250	8260B		10/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 245	ug/l	245	775	250	8260B		10/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 450	ug/l	450	1450	250	8260B		10/22/2014	CJR	1
1,1,1-Trichloroethane	< 82.5	ug/l	82.5	250	250	8260B		10/22/2014	CJR	1
1,1,2-Trichloroethane	< 85	ug/l	85	275	250	8260B		10/22/2014	CJR	1
Trichloroethene (TCE)	3200	ug/l	82.5	250	250	8260B		10/22/2014	CJR	1
Trichlorofluoromethane	< 177.5	ug/l	177.5	575	250	8260B		10/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 550	ug/l	550	1725	250	8260B		10/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 350	ug/l	350	1125	250	8260B		10/22/2014	CJR	1
Vinyl Chloride	< 45	ug/l	45	142.5	250	8260B		10/22/2014	CJR	1
m&p-Xylene	< 172.5	ug/l	172.5	550	250	8260B		10/22/2014	CJR	1
o-Xylene	< 157.5	ug/l	157.5	500	250	8260B		10/22/2014	CJR	1
SUR - Toluene-d8	104	REC %			250	8260B		10/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	91	REC %			250	8260B		10/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			250	8260B		10/22/2014	CJR	1
SUR - Dibromofluoromethane	91	REC %			250	8260B		10/22/2014	CJR	1

Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903D  
 Sample ID MW-4  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/21/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/21/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/21/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/21/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/21/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/21/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/21/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/21/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/21/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/21/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/21/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/21/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/21/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/21/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/21/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/21/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/21/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/21/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/21/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/21/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/21/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/21/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/21/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/21/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/21/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/21/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		10/21/2014	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		10/21/2014	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		10/21/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	109	REC %			1	8260B		10/21/2014	CJR	1

Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903E  
 Sample ID MW-5  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/21/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/21/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/21/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/21/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/21/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/21/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/21/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/21/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/21/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/21/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/21/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/21/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/21/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/21/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/21/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/21/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/21/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/21/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/21/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/21/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/21/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/21/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/21/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/21/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/21/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/21/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		10/21/2014	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		10/21/2014	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		10/21/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		10/21/2014	CJR	1

Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903F  
 Sample ID MW-6  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/21/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/21/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/21/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/21/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/21/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/21/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/21/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/21/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/21/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/21/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/21/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/21/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/21/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/21/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/21/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/21/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/21/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/21/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/21/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/21/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/21/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/21/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/21/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/21/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/21/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/21/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		10/21/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			1	8260B		10/21/2014	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		10/21/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		10/21/2014	CJR	1

Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903G  
 Sample ID MW-7  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/21/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/21/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/21/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/21/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/21/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/21/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/21/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/21/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/21/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/21/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/21/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/21/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/21/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/21/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/21/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/21/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/21/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/21/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/21/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/21/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/21/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/21/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/21/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/21/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/21/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/21/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		10/21/2014	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		10/21/2014	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		10/21/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		10/21/2014	CJR	1

Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903H  
 Sample ID PZ-1  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 4.8	ug/l	4.8	15.4	20	8260B		10/22/2014	CJR	1
Bromobenzene	< 6.4	ug/l	6.4	20	20	8260B		10/22/2014	CJR	1
Bromodichloromethane	< 7.4	ug/l	7.4	24	20	8260B		10/22/2014	CJR	1
Bromoform	< 7	ug/l	7	22	20	8260B		10/22/2014	CJR	1
tert-Butylbenzene	< 7.2	ug/l	7.2	24	20	8260B		10/22/2014	CJR	1
sec-Butylbenzene	< 6.6	ug/l	6.6	20	20	8260B		10/22/2014	CJR	1
n-Butylbenzene	< 7	ug/l	7	22	20	8260B		10/22/2014	CJR	1
Carbon Tetrachloride	< 6.6	ug/l	6.6	22	20	8260B		10/22/2014	CJR	1
Chlorobenzene	< 4.8	ug/l	4.8	15.4	20	8260B		10/22/2014	CJR	1
Chloroethane	< 12.6	ug/l	12.6	40	20	8260B		10/22/2014	CJR	1
Chloroform	< 5.6	ug/l	5.6	17.6	20	8260B		10/22/2014	CJR	1
Chloromethane	< 16.2	ug/l	16.2	52	20	8260B		10/22/2014	CJR	1
2-Chlorotoluene	< 4.2	ug/l	4.2	13.2	20	8260B		10/22/2014	CJR	1
4-Chlorotoluene	< 4.2	ug/l	4.2	13.6	20	8260B		10/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 17.6	ug/l	17.6	56	20	8260B		10/22/2014	CJR	1
Dibromochloromethane	< 4.4	ug/l	4.4	14	20	8260B		10/22/2014	CJR	1
1,4-Dichlorobenzene	< 6	ug/l	6	19.2	20	8260B		10/22/2014	CJR	1
1,3-Dichlorobenzene	< 5.6	ug/l	5.6	17.8	20	8260B		10/22/2014	CJR	1
1,2-Dichlorobenzene	< 7.2	ug/l	7.2	24	20	8260B		10/22/2014	CJR	1
Dichlorodifluoromethane	< 8.8	ug/l	8.8	28	20	8260B		10/22/2014	CJR	1
1,2-Dichloroethane	< 8.2	ug/l	8.2	26	20	8260B		10/22/2014	CJR	1
1,1-Dichloroethane	< 6	ug/l	6	19.4	20	8260B		10/22/2014	CJR	1
1,1-Dichloroethene	< 8	ug/l	8	26	20	8260B		10/22/2014	CJR	1
cis-1,2-Dichloroethene	390	ug/l	7.6	24	20	8260B		10/22/2014	CJR	1
trans-1,2-Dichloroethene	14.2 "J"	ug/l	7	22	20	8260B		10/22/2014	CJR	1
1,2-Dichloropropane	< 6.4	ug/l	6.4	20	20	8260B		10/22/2014	CJR	1
2,2-Dichloropropane	< 7.2	ug/l	7.2	24	20	8260B		10/22/2014	CJR	4
1,3-Dichloropropane	< 6.6	ug/l	6.6	20	20	8260B		10/22/2014	CJR	1
Di-isopropyl ether	< 4.6	ug/l	4.6	14.6	20	8260B		10/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 8.8	ug/l	8.8	28	20	8260B		10/22/2014	CJR	1
Ethylbenzene	< 11	ug/l	11	34	20	8260B		10/22/2014	CJR	1
Hexachlorobutadiene	< 30	ug/l	30	96	20	8260B		10/22/2014	CJR	1
Isopropylbenzene	< 6	ug/l	6	19.2	20	8260B		10/22/2014	CJR	1
p-Isopropyltoluene	< 6.2	ug/l	6.2	19.6	20	8260B		10/22/2014	CJR	1
Methylene chloride	< 10	ug/l	10	32	20	8260B		10/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.6	ug/l	4.6	14.8	20	8260B		10/22/2014	CJR	1
Naphthalene	< 34	ug/l	34	110	20	8260B		10/22/2014	CJR	1
n-Propylbenzene	< 5	ug/l	5	16.2	20	8260B		10/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 9	ug/l	9	28	20	8260B		10/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 6.6	ug/l	6.6	22	20	8260B		10/22/2014	CJR	1
Tetrachloroethene	< 6.6	ug/l	6.6	22	20	8260B		10/22/2014	CJR	1
Toluene	< 13.8	ug/l	13.8	44	20	8260B		10/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 19.6	ug/l	19.6	62	20	8260B		10/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 36	ug/l	36	116	20	8260B		10/22/2014	CJR	1
1,1,1-Trichloroethane	< 6.6	ug/l	6.6	20	20	8260B		10/22/2014	CJR	1
1,1,2-Trichloroethane	< 6.8	ug/l	6.8	22	20	8260B		10/22/2014	CJR	1
Trichloroethene (TCE)	< 6.6	ug/l	6.6	20	20	8260B		10/22/2014	CJR	1
Trichlorofluoromethane	< 14.2	ug/l	14.2	46	20	8260B		10/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 44	ug/l	44	138	20	8260B		10/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 28	ug/l	28	90	20	8260B		10/22/2014	CJR	1
Vinyl Chloride	< 3.6	ug/l	3.6	11.4	20	8260B		10/22/2014	CJR	1
m&p-Xylene	< 13.8	ug/l	13.8	44	20	8260B		10/22/2014	CJR	1
o-Xylene	< 12.6	ug/l	12.6	40	20	8260B		10/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	103	REC %			20	8260B		10/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	111	REC %			20	8260B		10/22/2014	CJR	1
SUR - Dibromofluoromethane	98	REC %			20	8260B		10/22/2014	CJR	1
SUR - Toluene-d8	104	REC %			20	8260B		10/22/2014	CJR	1



Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903I  
 Sample ID 126 S. LAKE  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/21/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/21/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/21/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/21/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/21/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/21/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/21/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/21/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/21/2014	CJR	1
cis-1,2-Dichloroethene	11.4	ug/l	0.38	1.2	1	8260B		10/21/2014	CJR	1
trans-1,2-Dichloroethene	0.36 "J"	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/21/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/21/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/21/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/21/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/21/2014	CJR	1
Methyl tert-butyl ether (MTBE)	2.48	ug/l	0.23	0.74	1	8260B		10/21/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/21/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/21/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/21/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/21/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/21/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/21/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/21/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/21/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/21/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/21/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		10/21/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		10/21/2014	CJR	1
SUR - 4-Bromofluorobenzene	116	REC %			1	8260B		10/21/2014	CJR	1
SUR - Dibromofluoromethane	89	REC %			1	8260B		10/21/2014	CJR	1

Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903J  
 Sample ID 215 S. LAKE  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/21/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/21/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/21/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/21/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/21/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/21/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/21/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/21/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/21/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/21/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/21/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/21/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/21/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/21/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/21/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/21/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/21/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/21/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/21/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/21/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/21/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/21/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/21/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/21/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/21/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/21/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		10/21/2014	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		10/21/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		10/21/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		10/21/2014	CJR	1

Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903K  
 Sample ID DUP  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 60	ug/l	60	192.5	250	8260B		10/22/2014	CJR	1
Bromobenzene	< 80	ug/l	80	250	250	8260B		10/22/2014	CJR	1
Bromodichloromethane	< 92.5	ug/l	92.5	300	250	8260B		10/22/2014	CJR	1
Bromoform	< 87.5	ug/l	87.5	275	250	8260B		10/22/2014	CJR	1
tert-Butylbenzene	< 90	ug/l	90	300	250	8260B		10/22/2014	CJR	1
sec-Butylbenzene	< 82.5	ug/l	82.5	250	250	8260B		10/22/2014	CJR	1
n-Butylbenzene	< 87.5	ug/l	87.5	275	250	8260B		10/22/2014	CJR	1
Carbon Tetrachloride	< 82.5	ug/l	82.5	275	250	8260B		10/22/2014	CJR	1
Chlorobenzene	< 60	ug/l	60	192.5	250	8260B		10/22/2014	CJR	1
Chloroethane	< 157.5	ug/l	157.5	500	250	8260B		10/22/2014	CJR	1
Chloroform	< 70	ug/l	70	220	250	8260B		10/22/2014	CJR	1
Chloromethane	< 202.5	ug/l	202.5	650	250	8260B		10/22/2014	CJR	1
2-Chlorotoluene	< 52.5	ug/l	52.5	165	250	8260B		10/22/2014	CJR	1
4-Chlorotoluene	< 52.5	ug/l	52.5	170	250	8260B		10/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 220	ug/l	220	700	250	8260B		10/22/2014	CJR	1
Dibromochloromethane	< 55	ug/l	55	175	250	8260B		10/22/2014	CJR	1
1,4-Dichlorobenzene	< 75	ug/l	75	240	250	8260B		10/22/2014	CJR	1
1,3-Dichlorobenzene	< 70	ug/l	70	222.5	250	8260B		10/22/2014	CJR	1
1,2-Dichlorobenzene	< 90	ug/l	90	300	250	8260B		10/22/2014	CJR	1
Dichlorodifluoromethane	< 110	ug/l	110	350	250	8260B		10/22/2014	CJR	1
1,2-Dichloroethane	< 102.5	ug/l	102.5	325	250	8260B		10/22/2014	CJR	1
1,1-Dichloroethane	< 75	ug/l	75	242.5	250	8260B		10/22/2014	CJR	1
1,1-Dichloroethene	< 100	ug/l	100	325	250	8260B		10/22/2014	CJR	1
cis-1,2-Dichloroethene	2160	ug/l	95	300	250	8260B		10/22/2014	CJR	1
trans-1,2-Dichloroethene	< 87.5	ug/l	87.5	275	250	8260B		10/22/2014	CJR	1
1,2-Dichloropropane	< 80	ug/l	80	250	250	8260B		10/22/2014	CJR	1
2,2-Dichloropropane	< 90	ug/l	90	300	250	8260B		10/22/2014	CJR	4
1,3-Dichloropropane	< 82.5	ug/l	82.5	250	250	8260B		10/22/2014	CJR	1
Di-isopropyl ether	< 57.5	ug/l	57.5	182.5	250	8260B		10/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 110	ug/l	110	350	250	8260B		10/22/2014	CJR	1
Ethylbenzene	< 137.5	ug/l	137.5	425	250	8260B		10/22/2014	CJR	1
Hexachlorobutadiene	< 375	ug/l	375	1200	250	8260B		10/22/2014	CJR	1
Isopropylbenzene	< 75	ug/l	75	240	250	8260B		10/22/2014	CJR	1
p-Isopropyltoluene	< 77.5	ug/l	77.5	245	250	8260B		10/22/2014	CJR	1
Methylene chloride	< 125	ug/l	125	400	250	8260B		10/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 57.5	ug/l	57.5	185	250	8260B		10/22/2014	CJR	1
Naphthalene	< 425	ug/l	425	1375	250	8260B		10/22/2014	CJR	1
n-Propylbenzene	< 62.5	ug/l	62.5	202.5	250	8260B		10/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 112.5	ug/l	112.5	350	250	8260B		10/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 82.5	ug/l	82.5	275	250	8260B		10/22/2014	CJR	1
Tetrachloroethene	12300	ug/l	82.5	275	250	8260B		10/22/2014	CJR	1
Toluene	< 172.5	ug/l	172.5	550	250	8260B		10/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 245	ug/l	245	775	250	8260B		10/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 450	ug/l	450	1450	250	8260B		10/22/2014	CJR	1
1,1,1-Trichloroethane	< 82.5	ug/l	82.5	250	250	8260B		10/22/2014	CJR	1
1,1,2-Trichloroethane	< 85	ug/l	85	275	250	8260B		10/22/2014	CJR	1
Trichloroethene (TCE)	3150	ug/l	82.5	250	250	8260B		10/22/2014	CJR	1
Trichlorofluoromethane	< 177.5	ug/l	177.5	575	250	8260B		10/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 550	ug/l	550	1725	250	8260B		10/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 350	ug/l	350	1125	250	8260B		10/22/2014	CJR	1
Vinyl Chloride	< 45	ug/l	45	142.5	250	8260B		10/22/2014	CJR	1
m&p-Xylene	< 172.5	ug/l	172.5	550	250	8260B		10/22/2014	CJR	1
o-Xylene	< 157.5	ug/l	157.5	500	250	8260B		10/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			250	8260B		10/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	110	REC %			250	8260B		10/22/2014	CJR	1
SUR - Dibromofluoromethane	98	REC %			250	8260B		10/22/2014	CJR	1
SUR - Toluene-d8	100	REC %			250	8260B		10/22/2014	CJR	1

Project Name TWIN LAKES LAUNDRY  
 Project # 14990

Invoice # E27903

Lab Code 5027903L  
 Sample ID TRIP  
 Sample Matrix Water  
 Sample Date 10/16/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/21/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/21/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/21/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/21/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/21/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/21/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/21/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/21/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/21/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/21/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/21/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/21/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/21/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/21/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/21/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/21/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/21/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/21/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/21/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/21/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/21/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/21/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/21/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/21/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/21/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/21/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/21/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/21/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/21/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/21/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/21/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/21/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/21/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/21/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/21/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/21/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/21/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		10/21/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		10/21/2014	CJR	1
SUR - 4-Bromofluorobenzene	118	REC %			1	8260B		10/21/2014	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		10/21/2014	CJR	1

**Project Name** TWIN LAKES LAUNDRY  
**Project #** 14990

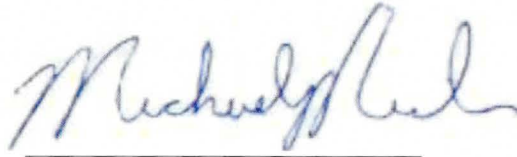
**Invoice #** E27903

"J" Flag: Analyte detected between LOD and LOQ                      LOD Limit of Detection                      LOQ Limit of Quantitation

<i>Code</i>	<i>Comment</i>
1	Laboratory QC within limits.
4	The continuing calibration standard not within established limits.
8	Closing calibration standard not within established 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 STUDY RECORD

# Synergy

## Environmental Lab, Inc.

Chain # **№ 3146**

Page **1** of **2**

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

**Sample Handling Request <sup>10-21-14</sup>**  
 Rush Analysis Date Required  
 (Rushes accepted only with prior authorization)  
 \_\_\_ Normal Turn Around

Lab I.D. #  
 Account No.: Quote No.:  
 Project #: **14990**  
 Sampler: (signature) **David Daily**

Project (Name / Location): **Twin Lakes Laundry, Twin Lakes, WI**  
 Reports To: **Tim Wimmer** Invoice To:  
 Company: **Sigma** Company:  
 Address: **1300 W. Canal St.** Address:  
 City State Zip: **Milw. WI 53233** City State Zip:  
 Phone: **414.643.4200** Phone:  
 FAX: FAX:

Analysis Requested		Other Analysis												
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 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5027903A	MW-1	10-16-14	9:45		G	N	3	GW	HCL
B	MW-2		9:55		G	N	3		
C	MW-3		10:07		G	N	3		
D	MW-4		11:06		G	N	3		
E	MW-5		12:20		G	N	3		
F	MW-6		1:00		G	N	3		
G	MW-7		12:50		G	N	3		
H	PZ-1		11:10		G	N	3		
I	126 S. Lake		12:00		G	N	3		
J	215 S. Lake		11:38		G	N	3		

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

**⊗ Results required "due" Morning of Fri. Oct. 24th, 2014**

Sample Integrity - To be completed by receiving lab.  
 Method of Shipment: **Drum**  
 Temp. of Temp. Blank \_\_\_ °C On Ice:   
 Cooler seal intact upon receipt:  Yes \_\_\_ No

Relinquished By: (sign) **David Daily** Time **3:00** Date **10-16-14**  
 Received By: (sign) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_  
 Received in Laboratory By: **[Signature]** Time: **10:00** Date: **10/18/14**

## Environmental Lab, Inc.

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

**Sample Handling Request** *10-24-14*

Rush Analysis Date Required \_\_\_\_\_  
(Rushes accepted only with prior authorization)

\_\_\_\_\_ Normal Turn Around

Lab I.D. # \_\_\_\_\_

Account No.: \_\_\_\_\_ Quote No.: \_\_\_\_\_

Project #: **14990**

Sampler: (signature) *Dairl Dailey*

Project (Name / Location): **Twin Lakes Laundry, Twin Lakes, WI**

Reports To: **Tim Wimmer** Invoice To: \_\_\_\_\_

Company: **Sigma** Company: \_\_\_\_\_

Address: **1300 W. Canal St.** Address: \_\_\_\_\_

City State Zip: **Milw. WI 53233** City State Zip: \_\_\_\_\_

Phone: **414-643-4200** Phone: \_\_\_\_\_

FAX: \_\_\_\_\_ FAX: \_\_\_\_\_

Analysis Requested										Other Analysis													
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 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID									
												<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<del>5027902</del>	<b>Dup. Trip</b>	<b>10-16-14</b>	<b>-</b>		<b>G</b>	<b>N</b>	<b>3</b>	<b>GW</b>	<b>HCL</b>
		<b>-</b>	<b>-</b>		<b>-</b>	<b>N</b>	<b>1</b>	<b>-</b>	<b>I</b>

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

**⊗ Results due Morning of Fri. Oct. 24th, 2014**

Sample Integrity - To be completed by receiving lab.

Method of Shipment: **Random**

Temp. of Temp. Blank \_\_\_\_\_ °C On Ice

Cooler seal intact upon receipt:  Yes \_\_\_\_\_ No

Relinquished By: (sign) *Dairl Dailey* Time **3:00** Date **10-16-14**

Received By: (sign) \_\_\_\_\_ Time **10:00** Date **10/18/14**

Figure 2 - Site Features and Soil Boring Locations

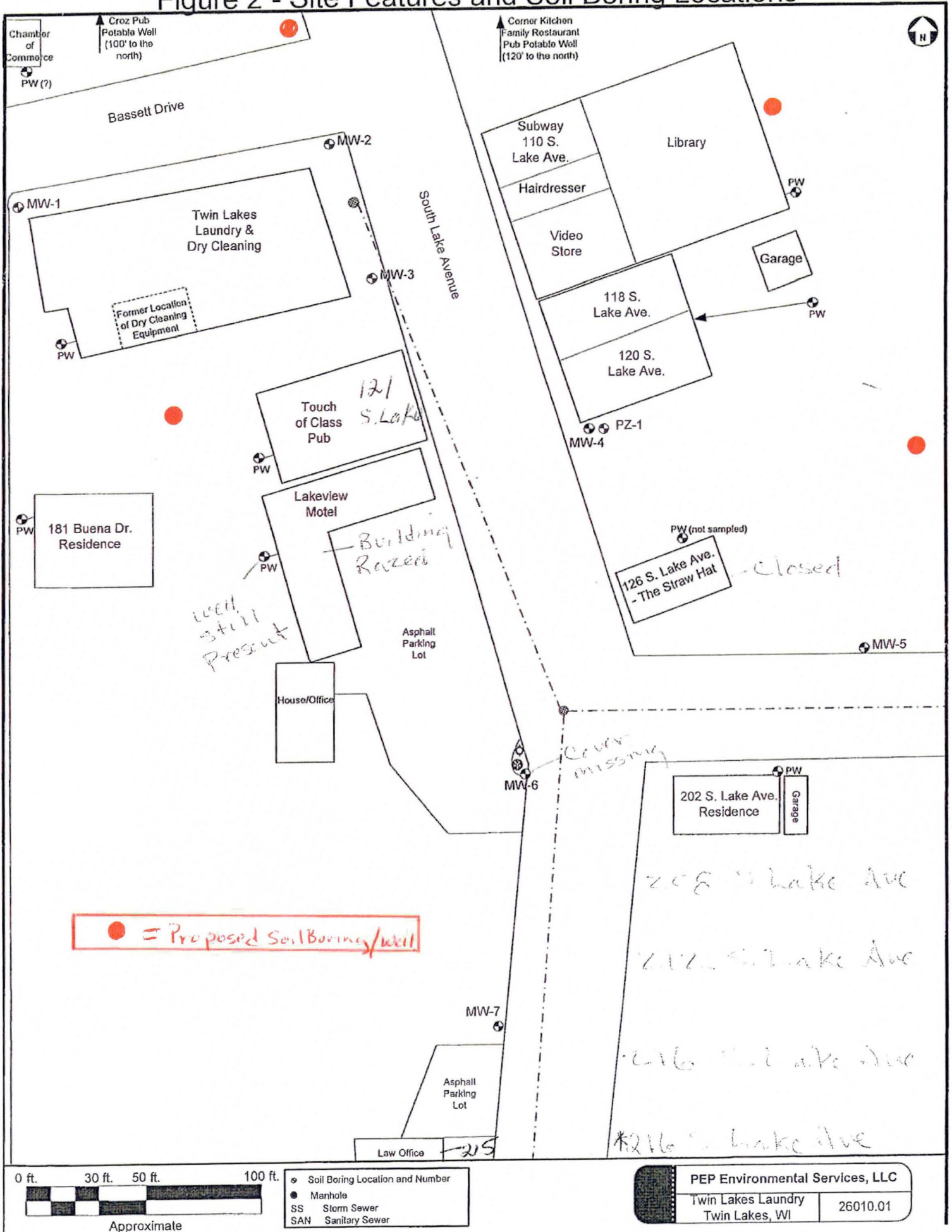
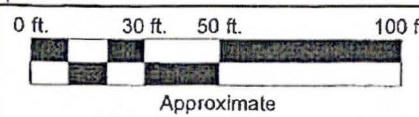
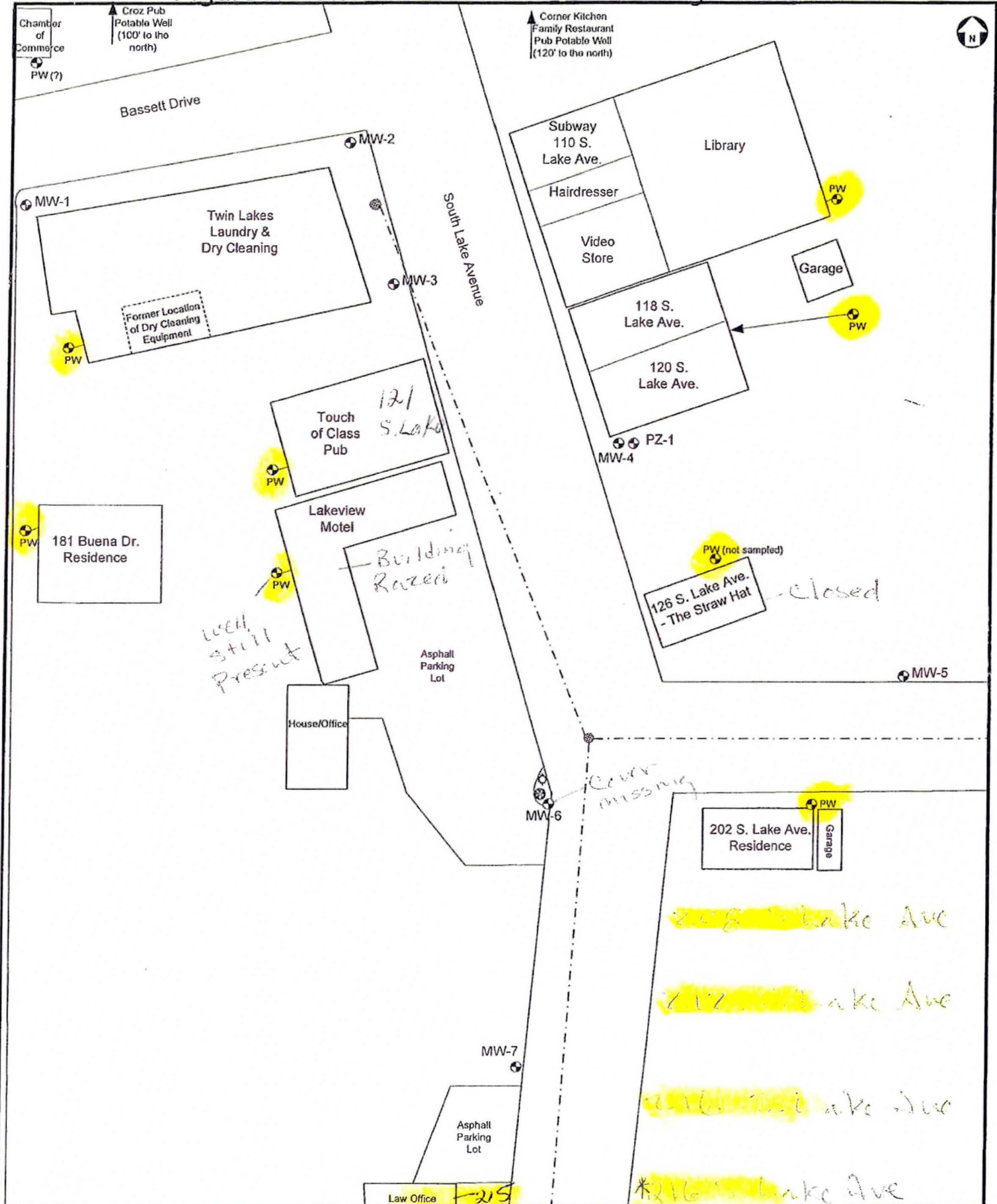


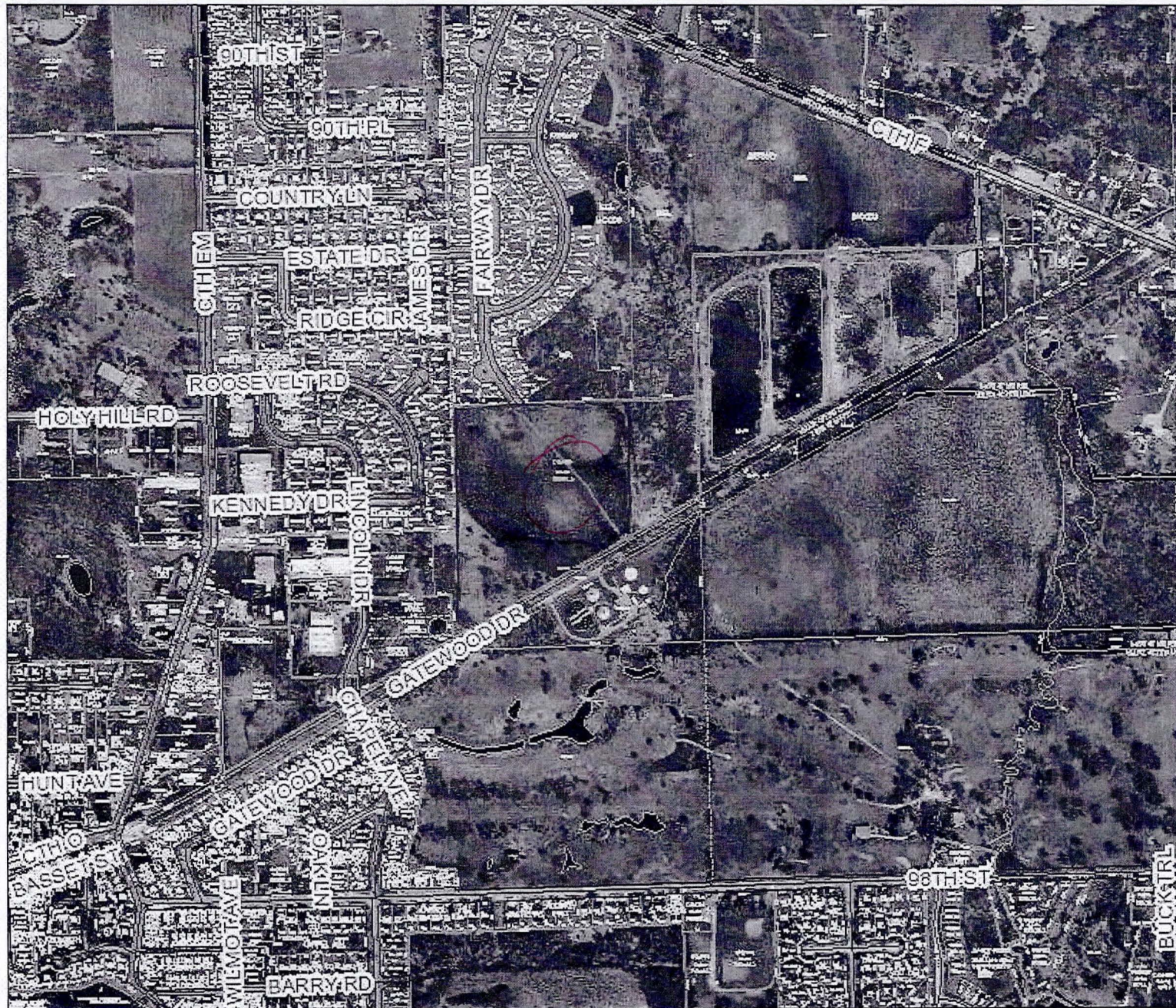


Figure 2 - Site Features and Soil Boring Locations



- Soil Boring Location and Number
- Manhole
- SS Storm Sewer
- SAN Sanitary Sewer

PEP Environmental Services, LLC	
Twin Lakes Laundry	26010.01
Twin Lakes, WI	



- Legend
- Street Centerlines
  - Right-of-Ways
  - Water Features
  - ⋮ Parcels
  - ⋮ Certified Survey Maps
  - ⋮ Condominiums
  - ⋮ Subdivisions
  - Municipal Boundaries

*33 miles  
one way*



1 inch = 801 feet

DISCLAIMER This map is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, data and information located in various state, county and municipal offices and other sources affecting the area shown and is to be used for reference purpose only. Kenosha County is not responsible for any inaccuracies herein contained. If discrepancies are found, please contact Kenosha County.

Date Printed: 11/24/2014