

March 27, 2015

Mr. Tauren Beggs
Hydrogeologist
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313-6727

**Subject: 2014 Third Quarterly Potable Well Monitoring Letter Report
Former Town of Newton Gravel Pit
BRRTS No. 02-36-000268
AECOM Project No: 60135471(82518)**

Dear Mr. Beggs:

AECOM Technical Services, Inc. (AECOM), on the behalf of the City of Manitowoc, is pleased to submit this 2014 Third Quarterly Potable Well Monitoring Letter Report for wells in the vicinity of the Former Town of Newton Gravel Pit site (See Figure1). The report presents the potable well sampling results from the third quarterly sampling event September through November 2014.

Presented below are site background information, sampling methodology, well documentation research, the potable well monitoring results, and an update to the Potable Well Monitoring Work Plan.

BACKGROUND INFORMATION

Previous work and data on the potable well sampling can be found in the 2013-2014 Potable Well Monitoring Letter Report¹ and the 2014 First and Second Quarterly Potable Well Monitoring Letter Reports^{2,3}.

The third quarterly potable well sampling event followed the sampling schedule presented in the Potable Well Sampling Plan update submitted to the WDNR with the 2014 Second Quarterly Potable Well Monitoring Letter Report. The Work Plan groups the potable wells into the following categories:

- Target Zone Wells – wells with detectable contaminants of concern (COCs) or wells bounded by impacted wells.
- Replacement Wells – wells that were replaced due to enforcement standard exceedances of the COCs.
- Sentinel Zone Wells – wells outside and adjacent to the Target Zone that do not have detectable COCs.
- Data Gap Wells – wells not previously sampled.
- Upgradient and Historically Sampled Wells – wells outside the Sentinel Zone that have been sampled in the past but are not currently scheduled to be sampled.

¹ 2013-2014 Potable Well Monitoring Letter Report Former Town of Newton Gravel Pit, BRRTS No. 02-36-000268, AECOM Project No: 60135471(82518), August 15, 2014.

² 2014 First Quarterly Potable Well Monitoring Letter Report, Former Newton Gravel Pit, BRRTS No. 02-36-000268, AECOM Project No: 60135471(82518), November 28, 2014.

³ 2014 Second Quarterly Potable Well Monitoring Letter Report, Former Newton Gravel Pit, BRRTS No. 02-36-000268, AECOM Project No: 60135471(82518), December 2, 2014.

Based on the first and second quarter sampling results ten new Data Gap well locations were added to the sample list for the third quarter. They are as follows:

Third Quarter Data Gap Wells	
3902 Silver Creek Road	3817 Viebahn Street
4004 Silver Creek Road	3825 Viebahn Street
3617 Viebahn Street	4025 Viebahn Street
3701 Viebahn Street	4101 Viebahn Street
3815 Viebahn Street	3911 Blackhawk Court

An update to the Work Plan for the fourth quarterly sampling event, based on the third quarter monitoring results, is presented at the end of this report.

The third quarterly sampling started on September 29, 2014 and ended on November 25, 2014. In total 40 well locations were proposed in the Work Plan to be sampled. During the sampling event a total of 37 well locations were sampled. Details of the sampling event are as follows.

On September 29, October 8 and 21, 2014 a total of five samples were collected from the newly installed replacement potable wells:

September 29, October 8 & 21, 2014 Sampling Addresses	
3515 Hecker Road	3120 CTH CR
3609 Hecker Road	3403 CTH CR
3023 CTH CR	

On October 29, 2014 a total of five data gap wells were sampled:

October 29, 2014 Sampling Addresses	
3701 Viebahn Street	4025 Viebahn Street
3817 Viebahn Street	4101 Viebahn Street
3825 Viebahn Street	

On November 4, 2014 a total of five second round confirmation samples were collected on the newly installed replacement potable wells:

November 4, 2014 Sampling Addresses	
3515 Hecker Road	3120 CTH CR
3609 Hecker Road	3403 CTH CR
3023 CTH CR	

On November 5, 2014 lab results were received for the October 29 sampling event indicating that the residences at 3701 Viebahn Street, 4025 Viebahn Street, and 4101 Viebahn Street had an NR 140 Enforcement Standard (ES) exceedance of vinyl chloride (VC). The City informed the property owners of the results and provided a temporary supply of clean potable water.

On November 7, 2014 a total of five confirmation (confirm) samples were collected along Viebahn along with samples from two initially non-responsive data gap well property owners:

November 7, 2014 Sampling Addresses	
3617 Viebahn Street	3825 Viebahn Street (confirm)
3701 Viebahn Street (confirm)	4025 Viebahn Street (confirm)
3815 Viebahn Street	4101 Viebahn Street (confirm)
3817 Viebahn Street (confirm)	

On November 18, 2014 lab results were received indicating that the residences at 3617 Viebahn Street and 3815 Viebahn Street had an NR 140 Enforcement Standard (ES) exceedance of VC. The City informed the property owners of the results and provided a temporary supply of clean potable water.

On November 10, 11, 13, 14, 17, 18 and 19, 2014 a total of 27 wells were sampled including two confirmation (confirm) samples:

November 10, 11, 13, 14, 17, 18, and 19, 2014 Sampling Addresses		
3303 Hecker Road	2717 CTH CR(4141 Viebahn St)	3618 CTH CR
3327 Hecker Road	2734 (2804) CTH CR	4005 Thunder Ridge Road
3461 (3417) Hecker Road	2916 CTH CR	4111 Thunder Ridge Road
3518 Hecker Road	3224 CTH CR	4027 Thunder Ridge Road
3702 Hecker Road	3312 CTH CR	4101 Thunder Ridge Road
3902 Silver Creek Road	3322 CTH CR	3617 Viebahn Street (confirm)
4156 Silver Creek Road	3412 CTH CR	3815 Viebahn Street (confirm)
4004 Silver Creek Road	3422 CTH CR	3921 Black Hawk Court
2716 CTH CR	3504 CTH CR	3027 Orchard Lane

On November 19, 2014 lab results were received indicating that the residences at 2734 CTH CR and 2916 CTH CR had an NR 140 Enforcement Standard (ES) exceedance of vinyl chloride. The City informed the property owners of the results and provided a temporary supply of clean potable water.

On November 25, 2014 a total of two confirmation samples were collected at 2734 CTH CR and 2916 CTH CR:

November 25, 2014 Sampling Addresses	
2734 CTH CR	2916 CTH CR

Three proposed well locations, 3911 Blackhawk Court, 4002 Thunder Ridge Road, and 4010 Thunder Ridge Road were not sampled during the third quarterly sampling event. The residents did not respond to phone calls by the City to set up sampling appointments.

SAMPLING METHODOLOGY

Samples were collected following purging from a cold water tap or spigot as near to the well as possible, and preferably before any storage/pressure tanks or physical/chemical treatment system that might be present.

Prior to the collection of samples, field screening was conducted with a handheld YSI 556MPS water quality meter to obtain pH, conductivity, temperature, and oxidation/reduction (redox) potential measurements. The measurements were collected by running the tap water into a clean glass bottle until the readings stabilize then the readings were recorded on a sample collection form. Whenever possible, each system was purged for at least 10 minutes immediately prior to sampling.

Samples for volatile organic compound (VOC) laboratory analyses were collected in three 40-ml glass vials with hydrochloric acid preservative and Teflon septa. The vials were filled to the top, leaving no headspace or bubbles, and then quickly capped. Samples were labeled and stored on ice for shipment, with chain of custody, to the laboratory.

Samples collected by AECOM were submitted to a Wisconsin Administrative Code (WAC) Chapter NR 149 certified laboratory (Synergy Environmental Lab, Inc., Appleton, Wisconsin) for analyses of VOCs by EPA Method 8260B.

WELL DOCUMENTATION

During the well sampling period four replacement wells were installed, five wells were abandoned, and AECOM made efforts to research the construction of the latest potable wells being sampled.

Based on information obtained from historical well construction reports (WCRs) the well at 3120 CTH CR was thought to be 145 feet in depth and completed within bedrock. Based on measurements obtained during the abandonment of the well, the well is now known to have been approximately 51 feet in depth and completed within a sand/gravel layer. The other wells abandoned during this period had total depths similar to the historical WCRs.

Research of the latest potable wells being sampled included interviewing the well owners, searching on the Wisconsin Department of Agriculture Trade and Consumer Protection (DATCP) Well Constructor's Reports web site⁴ for historical WCRs through 1989, and searching the WDNR's online Drinking Water Data Retrieval System⁵ for WCRs since 1987.

The main goal of the data search was to determine the installed depth of the potable wells to assist in the interpretation of the groundwater impacts. Unfortunately, the overall lack of WCRs for many addresses currently limits the use of the data. This data collection effort will be continued in the future to improve the data set.

New well construction information along with historical information and address specific sampling information is presented on Table 1, *Summary of Potable Well Information*. Copies of the replacement well WCRs, the well abandonment forms, and the WCRs for the latest wells sampled are provided in Attachment A.

⁴ Wisconsin Department of Agriculture Trade and Consumer Protection (DATCP) Well Constructor's Reports web site, at: <http://datcpgis.wi.gov/WellLogs/>

⁵ Wisconsin Department of Natural Resources – Wisconsin DNR Drinking Water Data, at: [http://prodoasext.dnr.wi.gov/inter1/watr\\$.startup](http://prodoasext.dnr.wi.gov/inter1/watr$.startup)

DATCP provides the following qualification of the historical WCRs provided on its web site:

“DATCP has created an interactive web map for accessing historic (1936 - 1989) well construction reports (WCRs) that were obtained from the Wisconsin Geological and Natural History Survey (WGNHS). Wells were mapped to the centroid of either a section, quarter section, or quarter-quarter section as recorded on the original WCR. These locations have not been field verified, and errors are very common. The average success rate for finding a specific WCR for a specific well is only 50%. Electronic copies of the well construction reports were converted to PDF format for easier web viewing. See the [WGNHS site](#) for more information regarding Well Records, or contact WGNHS staff at geodata@wgnhs.uwex.edu.

The Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) does not guarantee the accuracy, completeness or legality of data provided by other sources. No warranty, expressed or implied is made regarding the accuracy or utility of this data. See [DATCP Legal Notice](#) for more information.”

MONITORING RESULTS

The results for the third quarterly potable well sampling event, September 29 through November 25, 2014, are discussed below. During this sample period AECOM obtained a total of 52 water samples (not including quality control samples) from a total of 37 wells over a series of sampling events.

A number of wells were sampled twice during the third quarter, either because they were replacement wells or because confirmation samples were obtained. The following wells were sampled twice:

- 3515 Hecker Road (replacement),
- 3518 Hecker Road (replacement),
- 3609 Hecker Road (replacement),
- 2717 CTH CR (4141 Viebahn St.),
- 2734(2804) CTH CR,
- 3023 CTH CR,
- 3120 CTH CR (replacement),
- 3403 CTH CR (replacement),
- 3617(3621) Viebahn Street,
- 3701 Viebahn Street,
- 3815 Viebahn Street,
- 3817 Viebahn Street,
- 3825 Viebahn Street,
- 4025 Viebahn Street, and
- 4101 Viebahn Street.

The wells at 3911 Blackhawk Court, 4002 Thunder Ridge Road, and 4010 Thunder Ridge Road were not sampled.

A summary of the sampled wells with detected laboratory analytical results is presented on Table 2 and on Figure 2. Table 3 provides a summary of wells sampled with all laboratory analytical results. The laboratory analytical reports are provided in Attachment B.

Field Screening Results

Field screening measurements for pH, temperature, conductivity, dissolved oxygen, and oxidation reduction potential provide general indications of water quality. Field screening data are summarized in Table 3.

Laboratory Analytical Results

The laboratory analytical data indicates that contaminant compounds are present in some of the potable well water samples. The concentration of the COCs found in the potable well water samples were compared to applicable WAC Chapter NR 140 Table 1 Public Health enforcement standards (ESs) and preventive action limits (PALs).

The laboratory analytical results are presented categorically as follows:

- COCs with NR 140 ES exceedences
- COCs with NR 140 PAL exceedences
- Detected COCs with no regulatory exceedences
- Observed changes in analytical results since the last monitoring event

Potable Wells with NR 140 COC ES Exceedences:

There were a total of eight potable wells with vinyl chloride ES exceedance's and cis-1,2-dichloroethene detects below regulatory limits. They are:

ES Exceedences of Vinyl Chloride	
2717 CTH CR (4141 Viebahn St.)	3701 Viebahn Street
2734(2804) CTH CR	3815 Viebahn Street
2916 CTH CR	4025 Viebahn Street
3617(3621) Viebahn Street	4101 Viebahn Street

Potable Wells with NR 140 COC PAL Exceedences:

There were no wells that had a COC PAL exceedences of cis-1,2-dichloroethene.

Detected COCs with No Regulatory Exceedences:

There were a total of nine wells with a single COC (cis-1,2-dichloroethene) below regulatory limits.

Cis-1,2-dichloroethene Detects	
3327 Hecker Road	4027 Thunder Ridge Road
3461(3417) Hecker Road	4101 Thunder Ridge Road
4159 Silver Creek Road	3817 Viebahn Street
3504 CTH CR	3921 Black Hawk Court
3618 CTH CR	

One well, 4025 Viebahn Street, also had a detection of toluene below regulatory limits.

Other Detected Compounds:

Laboratory analytical data indicates that water from the well at 3701 Viebahn Street had a detection of methylene chloride and the well at 2734(2804) CTH CR had a detection of chloromethane. These compounds are not typically considered as COCs because they can be present from other sources including:

- As a residual chlorination byproduct present in the water from disinfecting a well,
- from a reaction of the preservatives typically used for environmental soil and groundwater sampling (hydrochloric acid and methanol),
- or due to solvents used by the laboratory.

A summary of the sampled wells with detectable COC laboratory results is presented on Table 2 and on Figure 2. Table 3 provides a summary of sampled wells with all laboratory results. The laboratory analytical reports are provided in Attachment B.

Observed Changes in Analytical Results Since the Last Monitoring Event:

The following changes since the second quarterly sampling event were noted in the analytical results:

- The following seven wells were either Data Gap or Sentinel Zone wells where VC detections are currently above the ES.
 - 2734(2804) CTH CR
 - 2916 CTH CR
 - 3617(3621) Viebahn Street
 - 3701 Viebahn Street
 - 3815 Viebahn Street
 - 4025 Viebahn Street
 - 4101 Viebahn Street

These wells are now identified as Target Zone Wells.

- The initial third quarter sample from 3504 CTH CR had no detectable VC. The duplicate sample had a detection of VC above the MDL but below the ES. Vinyl chloride had previously been detected in this well.
- During this quarterly period, replacement wells were installed at the following address:
 - 3515 Hecker Road
 - 3609 Hecker Road
 - 3023 CTH CR
 - 3120 CTH CR

The original wells at these locations contained VC above the ES standard. The new replacement wells have no detectable COCs.

- The following were Data Gap wells sampled for the first time. They contained cis-1,2-dichloroethene at levels above the MDL but below the PAL:
 - 3701 Viebahn Street
 - 3817 Viebahn Street
 - 3825 Viebahn Street
 - 4025 Viebahn Street
 - 4101 Viebahn Street
- The following four wells had a change in cis-1,2-dichloroethene from above the MDL but below the PAL to non-detect levels below the MDL.
 - 3303 Hecker Road
 - 4005 Thunder Ridge Road
 - 4111 Thunder Ridge Road
 - 3027 Orchard Lane

UPDATES TO THE POTABLE WELL MONITORING WORK PLAN

Based on the third quarter analytical results, the Potable Well Monitoring Work Plan for the fourth quarterly monitoring event has been updated as follows.

Seven wells have been moved from the Data Gap to the Target Zone:

- 3617(3621) Viebahn Street
- 3701 Viebahn Street
- 3815 Viebahn Street
- 3817 Viebahn Street
- 3825 Viebahn Street
- 4025 Viebahn Street
- 4101 Viebahn Street

Five wells have been moved from the Target Zone to a new category of Replacement Wells:

- 3515 Hecker Road
- 3518 Hecker Road
- 3609 Hecker Road
- 3023 CTH CR
- 3120 CTH CR

Six wells have been moved from the Target Zone to Sentinel Zone:

- 2716 CTH CR
- 3224 CTH CR
- 3312 CTH CR
- 3322 CTH CR
- 3412 CTH CR
- 3422 CTH CR

Two wells have been moved from the Data Gap to the Sentinel Zone:

- 3902 Silver Creek Road
- 4004 Silver Creek Road

One well remained as a Data Gap well to be sampled during the fourth quarterly event due to cis-1,2-dichlorethene detections located in the vicinity of Thunder Ridge Road.

- 3911 Blackhawk Court

Two wells have been moved from Historically Sampled Wells to Sentinel Zone:

- 3627 Hecker Road
- 4127 Thunder Ridge Road

Three wells have been moved from Sentinel Zone to Historically Sampled Wells:

- 3114 Hecker Road
- 3627 Hecker Road
- 3523 Orchard Lane

During the fourth quarterly sampling event 32 wells (Target Zone and Data Gap Wells) are scheduled to be sampled. No other expansion of the potable well sampling program is anticipated during the fourth quarter sampling event.

The updated Work Plan list and a figure showing the sample locations are presented as Table 4 and Figure 3, respectively. The Table 4 list identifies the wells that will be sampled during the fourth quarterly sampling event.

SUMMARY

The following is a summary of the impacted wells sampled during the September 2014 through November 2014 potable well water monitoring period.

Analytical results indicate NR 140 ES standard exceedances for vinyl chloride with cis-1,2-dichloroethene detects below regulatory limits from the following eight wells:

- 2717 CTH CR (4141 Viebahn St.)
- 2734 (2804) CTH CR
- 2916 CTH CR
- 3617(3621) Viebahn Street
- 3701 Viebahn Street
- 3815 Viebahn Street
- 4025 Viebahn Street
- 4101 Viebahn Street

Analytical results from nine potable well water samples indicate contaminants of concern below regulatory limits:

- 3327 Hecker Road
- 3461(3417) Hecker Road
- 4159 Silver Creek Road
- 3403 CTH CR
- 3504 CTH CR
- 3618 CTH CR
- 4027 Thunder Ridge Road
- 4101 Thunder Ridge Road
- 3921 Blackhawk Court

The only Data Gap well scheduled for sampling during the fourth quarter sampling event is at 3911 Blackhawk Court. No other expansion of the potable well sampling program is anticipated during the fourth quarter sampling event.

If you have any questions regarding these results, please contact Dave Henderson at 414.944.6190 or dave.henderson@aecom.com.

Yours sincerely,

AECOM Technical Services, Inc.



Jordan Junion
Project Scientist
Jordan.junior@aecom.com



David Henderson
Senior Project Manager
dave.henderson@aecom.com

Cc: Kathleen M. McDaniel, City Attorney, City of Manitowoc
Dan Koski, Director of Public Infrastructure, City of Manitowoc

Attachments: Tables, Figures, Attachment A: Well Construction Reports, Attachment B:
Laboratory Reports

Tables:

Table 1, Summary of Potable Well Information

Table 2, Summary of Contaminates Detected in Potable Wells

Table 3, Summary of Contaminates Analyzed in Potable Wells

Table 4, Updated 3rd Quarter 2014 Summary of Quarterly Potable Well Sampling

TABLE 1
SUMMARY OF POTABLE WELL INFORMATION

**TABLE 1
SUMMARY OF POTABLE WELL INFORMATION
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Well Address	Sampling Events			Well Depth (ft. BGS)	Casing Depth (ft. BGS)	Well Draws From	Well/Casing Depth Reference	Well and 2013/2014 Sample Description
	1993 ¹	2008 ²	2013-14 ³					
3114 Hecker Rd.	---	---	10/22/13 11/8/13 5/28/14	153	149	Limestone	Well Const. Rpt., dated 4/30/12.	10/22/13 and 11/8/13 - Sampled from spigot on north side of house.
3121 Hecker Rd.	2	---	10/22/13 11/7/13 5/28/14	NA	NA	NA	No well const. rpt. identified for this property. Owner reports that well possibly installed by Sieracki Well Drilling.	10/22/13 and 11/7/13 - Sampled in basement, directly from well.
3303 Hecker Rd.	3	---	10/23/13 11/7/13 6/3/14 11/17/14	143	120	Limestone	Well Const. Rpt., dated 4/14/87.	10/23/13 and 11/7/13 - Sampled from basement spigot through garden hose.
3320 Hecker Rd.	4, 5	---	10/22/13 11/7/13 5/28/14	138	115	Limestone	Well Const. Rpt., dated 5/8/01.	10/22/13 - Sampled from spigot nearest well. 11/7/13 - Sampled from spigot on east side of outbuilding near diesel fuel AST.
3327 Hecker Rd.	---	---	10/23/13 11/7/13 5/28/14 8/25/14 11/10/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	10/23/13 and 11/7/13 - Sampled from west spigot.
3461(3417) Hecker Rd.	---	---	10/24/13 11/12/13 5/30/14 8/26/14 11/10/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	10/24/13 and 11/12/13 - Sampled from indoor sink faucet.
3515 Hecker Rd.	---	---	10/22/13 11/7/13 11/22/13 5/28/14 8/28/14	52	52	Gravel	Well Const. Rpt., dated 2/14/79.	Well located to NW corner of house. 10/22/13 - Sampled from front spigot. 11/7/13 - Samples from west spigot and indoor kitchen faucet. 11/22/13 - Sampled from west spigot.
	---	---	9/29/14 11/4/14	300	277	Limestone	Well Const. Rpt., dated 9/2/14.	Well is located to NW corner of house. Sampled from west spigot.
3518 Hecker Rd.	---	---	10/23/13 11/7/13	120	NA	Sandy Clay with Sand Seams	Well abandonment Rpt., indicating this well abandoned on 12/10/13.	Well located to SE corner of house. 10/23/13 - Sampled from south spigot near well. 11/7/13 - Sampled from south spigot near well and indoor kitchen faucet. Well abandoned based on abandonment form dated 3/18/14.
	---	---	3/11/14 3/31/14 4/22/14 5/29/14 8/25/14 11/10/14	282	250	Limestone	Well Const. Rpt., dated 3/6/14.	3/11/14 - Sampled from outdoor spigot on east side of house. 3/31/14 and 4/22/14 - Sampled from newly installed outdoor spigot on south side of house.
3609 Hecker Rd.	---	---	10/22/13 11/7/13 11/22/13 5/28/14 7/11/14 8/25/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	10/22/13 - Sampled from only spigot on house. 11/7/13 - Samples from east spigot and kitchen faucet. 11/22/13 - Sampled from SE spigot.
	---	---	9/29/14 11/4/14	300	290	Limestone	Well Const. Rpt., dated 9/2/14.	Well is located southwest of house. Sampled from east spigot.
3625 Hecker Rd.	---	---	10/22/13 11/7/13 5/28/14	105	105	NA	Well Const. Rpt., dated 6/14/89.	10/22/13 and 11/7/13 - Sampled from south spigot on house.
3627 Hecker Rd.	---	---	10/23/13 11/7/13 5/29/14	NA	NA	Gravel	No well const. rpt. identified for this property.	10/23/13 and 11/7/13 - Sampled from south spigot.
3702 Hecker Rd.	---	---	10/22/13 11/12/13 6/3/14 8/25/14 11/13/14	160	144	Gravel	Well Const. Rpt., dated 7/13/05.	10/22/13 and 11/12/13 - Sampled from south spigot.
3720 Hecker Rd.	---	---	10/22/13 11/12/13 6/2/14	NA	NA	NA	No well const. rpt. identified for this property.	10/22/13 and 11/12/13 - Sampled from front spigot.
3812 Silver Creek Rd.	---	---	5/28/14	NA	NA	NA	No well const. rpt. identified for this property.	Well is located northeast corner of the house. Sampled from outside spigot on north side of house.
3902 Silver Creek Rd.	---	---	11/18/14	180	160	Limestone	Well Const. Rpt., dated 8/9/06. TL919	Well is located east of the house. Sampled off pressure tank in basement.
4004 Silver Creek Rd.	---	---	11/18/14	NA	NA	NA	No well Const. Rpt identified for this property.	Well is located north of building. Sampled off of pressure tank.
4156 Silver Creek Rd.	---	---	5/28/14	60	NA	NA	No well const. rpt. Identified for this property. Interview with homeowner stated well is 60 feet deep	Well is located east of the deck. Collected sample from spigot on east side of the house.
4159 Silver Creek Rd.	---	---	12/12/13 1/6/14 6/4/14 9/8/14 11/10/14	181	172	Limestone	Well Const. Rpt., dated 1/2/09.	Well located to northwest corner of property. 12/12/13 and 1/6/14 - Sampled from pressure tank spigot.
4212/4220/5236 Silver Creek Rd.	---	---	5/30/14	NA	NA	NA	No well const. rpt. Identified for this property. Owner had no information.	Well is shared with the three properties. Well is located between 4220 and 4212. Sampled from 4220 kitchen sink
4314 Silver Creek Rd.	---	---	12/5/13 6/4/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Well located to south of house. 12/5/13 - Sampled from pump spicket in basement.
4315 Silver Creek Rd.	---	---	12/12/13 6/2/14	200	NA	Limestone	No well const. rpt. identified for this property. Owner had no information.	Well located to southwest corner of house. 12/12/13 - Sampled from pressure tank spigot in basement.
4609 Silver Creek Rd.	---	---	12/3/13 6/3/14	76	76	Gravel	Well Const. Rpt., dated 8/13/49.	12/3/13 - Sampled by WDNR, Sampled from pressure tank spigot.
4620 Silver Creek Rd.	---	---	11/8/13 11/12/13 5/28/14	160	139	Limestone /Dolomite	Well Const. Rpt., dated 4/29/05.	11/8/13 - House well, Sampled from spicket on east side of house. 11/12/13 - Sampled from second well in barn, spigot in barn. 5/28/14 sampled from barn and house.

**TABLE 1
SUMMARY OF POTABLE WELL INFORMATION
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Well Address	Sampling Events			Well Depth (ft. BGS)	Casing Depth (ft. BGS)	Well Draws From	Well/Casing Depth Reference	Well and 2013/2014 Sample Description
	1993 ¹	2008 ²	2013-14 ³					
4752 Silver Creek Rd.	---	---	12/5/13 6/2/14	93	93	Gravel	Well Const. Rpt., dated 11/15/78.	Well located at south side of house. 12/5/13 - Sampled from kitchen sink.
4808 Silver Creek Rd.	---	---	12/5/13 5/30/14	105	105	Gravel	Well Const. Rpt., dated 12/15/98.	Well located at NW corner of house. 12/5/13 - Sampled from spicket by pump.
5202 Silver Creek Rd.	---	X	1/9/08	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Well location not provided. 12/5/13 - Sampled from pressure tank in barn.
2706 CTH CR	NA	NA	8/26/14	NA	NA	NA	No well const. rpt. Identified for this property.	Well is located east of the house. Collected sample on the north spigot.
2716 CTH CR	NA	NA	9/8/14 11/18/14	NA	NA	NA	No well const. rpt. Identified for this property.	Well is located west of garage. Collected sample off of pressure tank in garage.
2717 CTH CR 4141 Viebahn	NA	NA	8/25/14 9/8/14 11/10/14	146	132	Limestone	Well Const. Rpt., dated 4/2/91	Well is located north of residential garage. Collected sample off of pressure tank.
2734/2804 CTH CR	---	---	6/3/14 8/25/14 11/10/14 11/25/14	139	137	Gravel	Well Const. Rpt., dated 11/01/90. DE552	Well is located between the two buildings. Sampled from spigot in recycling facilities garage.
2832 (2904) CTH CR	---	---	2/4/14 6/3/14	NA	NA	NA	No well const. rpt. identified for this property. Owner believes well is 100 feet deep based on interview on 2/4/2014.	Both properties are on the same well. 2832 was a former hotel with several buildings. Well is located in the northern most building. Sampled from kitchen sink in third hotel building.
2911 CTH CR	---	---	5/29/14	NA	NA	NA	No well const. rpt. Identified for this property. Owner had no information.	Well is located in basement on the east side of the house. Sampled off pressure tank.
2916 CTH CR	---	---	2/4/14 5/28/14 8/25/14 11/10/14 11/25/14	132	131	Limestone	Well Const. Rpt., dated 5/23/00.	Well is located W of building. Sampled from pressure tank spigot.
2917 CTH CR	---	---	2/4/14 5/30/14	162	137	Limestone	Well Const. Rpt., dated 4/13/94.	Well is located E of building. Sampled from kitchen sink.
3023 CTH CR	---	---	2/4/14 6/2/14 8/25/14	160	NA	Limestone	Well Const. Rpt., undated. Based on depth, assume draws from limestone.	Well is located E of building. Sampled from outside spigot.
	---	---	10/8/14 11/4/14	308	275	Limestone	Well Const. Rpt., dated 9/9/14.	Well is located E of building. Sampled from outside spigot.
3120 CTH CR	---	---	1/3/14 2/4/14 5/28/14 8/25/14	51	NA	Gravel?	Updated based on Well Abandonment Form, date 10/21/14	Well located at SW corner of house. 1/3/14 and 2/4/14 - Sampled from pressure tank spigot.
	---	---	10/8/14 11/4/14	305	279	Limestone	Well Const. Rpt., dated 9/9/14.	Well is located at SW corner of the house. Sampled from pressure tank.
3224 CTH CR	---	---	2/4/14 6/4/14 8/25/14 11/17/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Pump is located in pumproom in the west side of the basement. Sampled from pressure tank spigot.
3312 CTH CR	---	---	2/26/14 6/2/14 8/26/14 11/10/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Sampled by James Blaha, Health Officer for Manitowoc Co. Sampled from bath tub.
3322 CTH CR	---	---	1/6/14 6/4/14 8/25/14 11/10/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Well located at south side of house. 1/6/14 - Sampled from kitchen sink.
	---	---	1/3/14 2/5/14 5/28/14 8/25/14	32	NA	Gravel	Well Const. Rpt., dated 10/25/38, indicates pump depth at 32' in gravel. Owner estimated 28' per interview on 1/3/14.	Well located in white shed north of house. 1/3/14 and 2/5/14 - Sampled from kitchen sink.
3403 CTH CR	---	---	10/21/14 11/4/14	307	275	Limestone	Well Const. Rpt., dated 10/15/14.	Well is located northeast of house. Sampled out of kitchen sink.
	---	---	1/3/14 8/26/14 11/10/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Well located at SW corner of house. 1/3/14 - Sampled from pressure tank spigot.
3422 CTH CR	---	---	1/6/14 5/30/14 8/25/14 11/18/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Well located 15' south of house. 1/6/14 - Sampled from pressure tank spigot.
3504 CTH CR	---	---	12/5/13 1/6/14 2/5/14 5/30/14 8/25/14 11/18/14	180	172	Hardpan	Well Const. Rpt., dated 9/3/99.	Well is located to NE of building. 12/5/13 - Sampled from spicket on north side of building. 1/6/14 and 2/5/14 - Sampled from pressure tank spigot in basement.
3523 CTH CR	---	---	1/3/14 6/3/14	250	NA	Limestone	No well const. rpt. identified for this property. Well is ~250' and constructed ~1960s, per owner interview on 1/3/14. Based on depth, assume draws from limestone.	Well located to west of house. 1/3/14 - Sampled from basement sink.
3533 CTH CR	---	---	1/6/14 6/3/14	40-50	NA	Gravel	Well Const. Rpt. not available. Owner estimated 40-50' per interview on 1/6/14. Based on depth, assume well draws from gravel.	Well located south of garage. 1/6/14 - Sampled from basement sink.
3611 CTH CR	---	---	5/30/14	~14	NA	NA	No well const. rpt. identified for this property. Owner believes well is 14 feet deep, sandpoint well	Sampled from spigot on east side of house. Well is located on the northeast corner of the house.
3618 CTH CR	---	---	1/3/14 5/29/14 8/25/14 11/10/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Well located 100' west of house. 1/3/14 - Sampled from kitchen sink.
3626 CTH CR and 3626 CTH CR #B	---	---	12/5/13 5/30/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Well serves two adjacent business/parcels, Well located to NW of Nelson Truck business buildings. 12/5/13 - Sampled from auto shop bathroom sink, after pressure tank.

**TABLE 1
SUMMARY OF POTABLE WELL INFORMATION
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Well Address	Sampling Events			Well Depth (ft. BGS)	Casing Depth (ft. BGS)	Well Draws From	Well/Casing Depth Reference	Well and 2013/2014 Sample Description
	1993 ¹	2008 ²	2013-14 ³					
3627 CTH CR	---	---	12/5/13 5/29/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Well located to SE of building. 12/5/13 - Sampled from basement sink, after pressure tank.
3904 CTH CR	---	---	12/5/13 5/28/14	84	84	Gravel	Well Const. Rpt., dated 2/17/95.	Well located to east of house. 12/5/13 - Sampled from pressure tank in basement.
4024 CTH CR	---	---	12/12/13 5/28/14	168	160	Limestone	Well Const. Rpt., dated 11/10/06.	Well located to southwest corner of house. 12/12/13 - Sampled from spigot in barn.
4101 CTH CR	---	---	5/29/14	NA	NA	NA	No well const. rpt. identified for this property.	Well is located south of house. Sampled from pressure tank.
4002 Thunder Ridge Rd.	---	---	1/3/14 8/25/14	200	181	Limestone	Well Const. Rpt., dated 10/21/03.	Well located in basement of house. 1/3/14 - Sampled from pressure tank spigot in basement.
4005 Thunder Ridge Rd.	---	---	5/29/14 8/26/14 11/11/14	NA	NA	NA	No well const. rpt. identified for this property.	Well is located on south side of house. Sample from south spigot, nearest well.
4010 Thunder Ridge Rd.	---	---	5/28/14 8/26/14	200	176	Limestone	Well Const. Rpt., dated 4/24/03.	Sampled off of south spigot.
4027 Thunder Ridge Rd.	---	---	5/29/14 8/26/14 11/11/14	201	181	Limestone	Well Const. Rpt., dated 6/27/07.	Sampled off of east spigot in backyard.
4101 Thunder Ridge Rd.	---	---	8/26/14 11/17/14	NA	NA	NA	No well const. rpt. Identified for this property	Well is located on the east side of the house. Collected sample off spigot on west side of house
4111 Thunder Ridge Rd.	---	---	8/25/14 11/17/14	220	197	Limestone	Well Const. Rpt., dated 9/23/03.	Well is located on northeast corner of house. Sampled from spigot on northeast corner of house.
4127 Thunder Ridge Rd.	---	---	12/5/13 5/29/14	220	194	Limestone	Well Const. Rpt., dated 9/22/03.	Well located east of house. 12/5/13 - Sampled from east spicket.
2925 Fricke Dr.	12	---	---	NA	NA	NA	No well const. rpt. identified for this property.	NA
3107 Fricke Dr.	---	---	12/5/13	200	NA	Limestone	Owner stated well is ~200' and constructed ~2003 per interview on 12/5/13. Based on depth, assume well draws from limestone.	Well located 10' south of building. 12/5/13 - Sampled from indoor well pump.
	10	---	---	115	115	Gravel	Well Const. Rpt. for non-potable well, dated 4/17/80.	Well located inside building. Not used during winter.
	11	---	---	NA	NA	NA	No well const. rpt. identified for this property.	This well is/was located near former house trailer on north side of Fricke property (3107 Fricke Dr.).
3617 Viebahn St.	---	---	11/7/14 11/19/14	166	158	Limestone	Possible well log, Well Const. Rpt. Dated 6/7/62, for property at So. 35th & Veibohn (sic) - Owner John Hruby	Sampled off of pressure tank in basement.
3701 Viebahn St.	---	---	10/29/14 11/7/14	147	143	Limestone	Well Const. Rpt. Dated 11/8/72.	Sampled off of pressure tank.
3815 Viebahn St.	---	---	11/7/14 11/19/14	125	NA	Gravel	Well depth located on pressure tank.	Sampled off of pressure tank in basement.
3817 Viebahn St.	---	---	10/29/14 11/7/14	129	129	Gravel	Well Const. Rpt. Dated 1964.	Sampled off of spigot on the SE side of the house.
3825 Viebahn St.	---	---	10/29/14 11/7/14	NA	NA	NA	No well Const. Rpt identified for this property.	Sampled off of south spigot.
4025 Viebahn St.	---	---	10/29/14 11/7/14	138	134	Limestone	Well Const. Rpt., Dated 11/29/66.	Sampled off of pressure tank in basement. Well is located on NE of the house.
4101 Viebahn St.	---	---	10/29/14 11/7/14	NA	NA	NA	No well const. rpt. Identified for this property	Well is located west of the house. Sampled off of pressure tank in basement.
4219 Viebahn St.	---	---	9/8/14	NA	NA	NA	No well const. rpt. identified for this property.	Sampled from south spigot. Well is located east of the property
5107 Viebahn St.	1	---	12/5/13	189	184	Limestone	Well Const. Rpt., dated 8/24/72.	12/5/13 - Sampled from kitchen sink.
3609 M&M Ln.	6	---	12/4/13 12/16/13	109	NA	Gravel	Measured 1998, installed 1973, per sticker on pump. Based on depth, assume well draws from gravel.	12/4/13 and 12/16/13 - Sampled by WDNR, Sampled from pressure tank spigot.
3717 M&M Ln.	7	---	---	NA	NA	NA	No well const. rpt. identified for this property.	NA
3840 M&M Ln.	8	---	---	126	126	Gravel	Well Const. Rpt., dated 10/30/87.	NA
3610 Gass Lake Rd.	9	---	---	NA	NA	NA	No well const. rpt. identified for this property.	NA
3027 Orchard Ln.	---	---	2/5/14 6/4/14 8/28/14 11/11/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Sampled from pressure tank spigot.
3128 Orchard Ln.	---	---	2/4/14 6/4/14	142	137	Limestone	Well Const. Rpt., dated 10/16/86.	CONFIRM RICHARD RATAJCZAK WAS OWNER IN 1986. Current owner is William Ratajczak and Brenda Birringer. Rental property, well is located to the S of building. 2/4/14 - Sampled from pressure tank spigot.
3318 Orchard Ln.	---	---	7/11/14	NA	NA	NA	No well const. rpt. identified for this property. Previous homeowners name is John.	Well is located approximately 100 feet to the southeast. Sampled from east spigot.
3420 Orchard Ln.	---	---	2/4/14 6/2/14	NA	NA	NA	No well const. rpt. identified for this property. Owner stated pump is installed at 100 feet per interview on 2/4/2014.	Well is located to SW of building. Sampled from kitchen sink.
3523 Orchard Ln.	---	---	2/4/14 5/28/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Well is located to S of building. Sampled from kitchen sink.
3524 Orchard Ln.	---	---	2/4/14 6/2/14	NA	NA	NA	No well const. rpt. identified for this property. Owner had no information.	Well is located to N of building. Sampled from kitchen sink.
3921 Black Hawk Ct.	---	---	2/4/14 6/2/14 8/26/14 11/10/14	182	168	Limestone	Well Const. Rpt., dated 9/24/02.	Sampled from pressure tank spigot.

Notes:

¹ Shown are location IDs from Figure 6 in "Investigation Report - Former Gravel Pit, Town of Newton, Wisconsin," August 1993.

² Only one well sampled in 2008.

³ Sampling dates provided for each well. Samples collected from 4609 Silver Creek Rd. on 12/3/13 and 3609 M&M Ln. on 12/16/13 were collected by WDNR.

BGS = Below Ground Surface

NA = Not Available

Table 2
SUMMARY OF CONTAMINANTS DETECTED IN POTABLE WELLS

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3303 Hecker Rd.					3327 Hecker Rd.				
			10/23/13	11/7/13	6/3/14	6/3/2014(DUP)	11/17/14	10/23/13	11/7/13	5/28/14	8/25/14	11/10/14
			Basement	Basement	Basement	Basement	Basement	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot
Volatile Organic Compounds (VOCs) (µg/L):												
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	< 0.38	< 0.38	0.68 J	0.68 J	< 0.38	11	11.6	6.4	6.9	5.6
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
RCRA Metals (mg/L)												
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3461(3417) Hecker Rd.					3515 Hecker Rd.										
								Original Potable Well				Replacement Potable Well						
			10/24/13	11/12/13	5/30/14	8/26/14	11/10/14	10/22/13	11/7/13	11/7/13	11/22/13	5/28/14	8/28/14	9/29/14	11/4/14			
					Inside Sink	Inside Sink	Inside Sink	Inside Sink	Inside Sink	Outside Spigot	Outside Spigot	Inside Kitchen	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	
Volatile Organic Compounds (VOCs) (µg/L):																		
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	NA	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	2.58	2.15	2.12	1.79	1.49	7.4	7.2	7.4	NA	10	7.8	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	NA	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	NA	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	0.22 J	0.24 J	0.24 J	NA	0.47 J	0.28 J	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
RCRA Metals (mg/L)																		
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	0.0019	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	0.15	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	0.00034 J	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	0.000061 J	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3518 Hecker Rd.										
			Original Potable Well			Replacement Potable Well							
			10/23/13	11/7/13	11/7/13	3/11/14	3/11/2014 (DUP)	3/31/14	4/22/14	5/29/14	5/29/14(DUP)	8/25/14	11/10/14
			Outside Spigot	Outside Spigot	Inside Kitchen	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot
Volatile Organic Compounds (VOCs) (µg/L):													
Benzene	5	0.5	1.74	< 2.4	< 2.4	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	0.42 J	< 4.1	< 4.1	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	1.62	< 4	< 4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	510	510	530	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
trans-1,2-Dichloroethene	100	20	5.5	< 3.5	< 3.5	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 6.9	< 6.9	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	102	86	92	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
RCRA Metals (mg/L)													
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3609 Hecker Rd.										
			Original Potable Well									Replacement Potable Well	
			10/22/13	11/7/13	11/7/13	11/22/13	5/28/14	5/28/2014(DUP)	7/11/14	8/25/16	8/25/2016(DUP)	9/29/14	11/4/14
			Outside Spigot	Outside Spigot	Inside Kitchen	Outside Spigot	Outside Spigot	Outside Spigot	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank
Volatile Organic Compounds (VOCs) (µg/L):													
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	NA	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	NA	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	NA	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	45	45	46	NA	49	49	51	35	36	< 0.38	< 0.38
trans-1,2-Dichloroethene	100	20	< 0.35	0.39 J	< 0.35	NA	0.42 J	0.37 J	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	NA	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	1.0	1.09	1.02	NA	7.40	7.60	8.60	4.60	5.20	< 0.18	< 0.18
RCRA Metals (mg/L)													
Arsenic	0.01	0.001	NA	NA	NA	0.00032 J	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	0.065	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	0.00056 J	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	< 0.000049	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3702 Hecker Rd.					4159 Silver Creek Rd						
			10/22/13	11/12/13	6/3/14	8/25/14	11/13/14	12/12/13	1/6/14	6/4/14	6/4/2014(DUP)	9/8/14	11/10/14	11/10/14 (DUP)
			Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank
Volatile Organic Compounds (VOCs) (µg/L):														
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	0.71 J	0.61 J	< 0.38	< 0.38	< 0.38	0.49 J	0.73 J	0.72 J	0.64 J	0.54 J	0.59 J	0.52 J
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
RCRA Metals (mg/L)														
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	2717 CTH CR(4141 Viebahn St.)				2734(2804) CTH CR				
			8/25/14	9/8/14	9/8/2014(DUP)	11/10/14	6/3/14	8/25/14	11/10/14	11/25/14	11/25/2014 (DUP)
			Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Garage Spigot	Garage Spigot	Garage Spigot	Garage Spigot	Garage Spigot
Volatile Organic Compounds (VOCs) (µg/L):											
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	1.4	1.31	1.44	1.3	0.77 J	0.77 J	0.63 J	0.93 J	1.02 J
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	0.21 J	0.29 J	0.31 J	0.39 J	< 0.18	< 0.18	0.26 J	0.38 J	0.43 J
RCRA Metals (mg/L)											
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	2916 CTH CR					3023 CTH CR				
								Original Potable Well		Replacement Potable Well		
			2/4/14 Pressure Tank	5/28/14 Pressure Tank	8/25/14 Pressure Tank	11/10/14 Pressure Tank	11/25/14 Pressure Tank	2/4/14 Outside Spigot	6/2/14 Outside Spigot	8/25/14 Outside Spigot	10/8/14 Outside Spigot	11/4/14 Outside Spigot
Volatile Organic Compounds (VOCs) (µg/L):												
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	0.97 J	0.9 J	1.02 J	0.74 J	0.82 J	2.84	2.87	2.34	< 0.38	< 0.38
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	0.18 J	< 0.18	< 0.18	0.28 J	0.37 J	0.55 J	0.41 J	0.33 J	< 0.18	< 0.18
RCRA Metals (mg/L)												
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3120 CTH CR							
			Original Potable Well						Replacement Potable Well	
			1/3/14	2/4/14	5/28/14	5/28/2014(DUP)	8/25/14	8/25/2014(DUP)	10/8/14	11/4/14
			Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank
Volatile Organic Compounds (VOCs) (µg/L):										
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	2.74	2.86	2.65	2.68	1.89	2.23	< 0.38	< 0.38
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	0.60	0.43 J	0.35 J	0.26 J	0.27 J	0.24 J	< 0.18	< 0.18
RCRA Metals (mg/L)										
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3403 CTH CR					
			Original Potable Well				Replacement Potable Well	
			1/3/14	2/5/14	5/28/14	8/25/14	10/21/14	11/4/14
			Kitchen Sink	Kitchen Sink	Kitchen Sink	Kitchen Sink	Kitchen Sink	Kitchen Sink
Volatile Organic Compounds (VOCs) (µg/L):								
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	1.3	1.67	1.48	1.34	< 0.38	< 0.38
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	0.56 J	0.25 J	0.22 J	< 0.18	< 0.18	< 0.18
RCRA Metals (mg/L)								
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3504 CTH CR									
			12/5/13	1/6/14	1/6/2014 (DUP)	2/5/14	5/30/14	5/30/14(DUP)	8/25/14	8/25/14(DUP)	11/18/14	11/18/2014 (DUP)
			Outside Spigot	Basement	Basement	Basement	Basement	Basement	Basement	Basement	Basement	Basement
Volatile Organic Compounds (VOCs) (µg/L):												
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	1.28	1.43	1.34	1.42	1.22	1.13 J	0.99 J	1.02 J	1.41	1.26
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	< 0.18	< 0.18	0.23 J	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	0.18 J
RCRA Metals (mg/L)												
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3618 CTH CR				4002 Thunder Ridge Rd.		4005 Thunder Ridge Rd.		
			1/3/14	5/29/14	8/25/14	11/10/14	1/3/14	8/25/14	5/29/14	8/26/14	11/11/14
			Kitchen Sink	Kitchen Sink	Kitchen Sink	Kitchen Sink	Pressure Tank	Pressure Tank	Outside Spigot	Outside Spigot	Outside Spigot
Volatile Organic Compounds (VOCs) (µg/L):											
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	1.24	1.16 J	0.48 J	0.83 J	1.67	1.29	0.83 J	0.9 J	< 0.38
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
RCRA Metals (mg/L)											
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	4010 Thunder Ridge Rd.		4027 Thunder Ridge Rd.				4101 Thunder Ridge Rd.		4111 Thunder Ridge Rd.	
			5/28/14	8/26/14	5/29/14	8/26/14	11/11/14	11/11/14 DUP	8/26/14	11/17/14	8/25/14	11/17/14
			Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot
Volatile Organic Compounds (VOCs) (µg/L):												
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	1.37	1.18 J	0.59 J	0.52 J	0.6 J	0.53 J	0.73 J	0.63 J	0.41 J	< 0.38
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
RCRA Metals (mg/L)												
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3617 Viebahn St.		3701 Viebahn St.			3815 Viebahn St.		3817 Viebahn St.		4025 Viebahn St.	
			11/7/14	11/19/14	10/29/14	11/7/14	11/7/2014 (DUP)	11/7/14	11/19/14	10/29/14	11/7/14	10/29/14	11/7/14
			Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Outside Spigot	Outside Spigot	Pressure Tank
Volatile Organic Compounds (VOCs) (µg/L):													
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	1.13 J	1.12 J	1.23	1.18 J	1.29	0.74 J	0.94 J	0.4 J	< 0.38	1.38	1.46
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	0.95 J	< 0.69
Vinyl Chloride	0.2	0.02	0.48 J	0.4 J	0.29 J	0.32 J	0.49 J	0.33 J	0.31 J	< 0.18	< 0.18	0.34 J	0.31 J
RCRA Metals (mg/L)													
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	4101 Viebahn St.		3027 Orchard Ln.				3921 Black Hawk Ct.			
			10/29/14	11/7/14	2/5/14	6/4/14	8/28/14	11/11/14	2/4/14	6/2/14	8/26/14	11/10/14
			Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank	Pressure Tank
Volatile Organic Compounds (VOCs) (µg/L):												
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	1.48	1.13 J	0.47 J	0.39 J	0.49 J	< 0.38	0.87 J	0.97 J	1.14 J	0.65 J
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
Vinyl Chloride	0.2	0.02	0.38 J	0.39 J	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
RCRA Metals (mg/L)												
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**SUMMARY OF CONTAMINATES DETECTED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

NOTES:

(1) Enforcement Standard from NR140, January 2012.

(2) Preventive Action Limit from NR140, January 2012.

NL - ES or PAL not listed in NR140.

NA - Not analyzed.

ND - Not detected.

NM - Not measured.

NS - Not sampled.

J - Compound was detected at a concentration between the limit of detection (LOD) and the limit of quantitation (LOQ).

Q - Compound was detected at a concentration between the limit of detection (LOD) and the limit of quantitation (LOQ).

& - LCS recovery was outside of control limits.

H - Holding time exceeded by (n) days

D - The result is from a dilution analysis.

A - Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.

ED - Elevated detection limit due to matrix effects.

MS - Either the matrix spike or matrix spike duplicate was outside of the acceptable control limits. All other supporting QC was within the acceptable control limits.

E - Analyte concentration exceeds calibration range (see Sample Narrative).

* - Duplicate analyses not within control limits.

B(x) - Analyte is detected in the method blank at "x" concentration. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.

N - Spiked sample recovery not within control limits; post-digestion spike recovery accepted.

B - Analyte found in method blank.

OC - Elevated reporting limit due to analyte concentration.

Bold indicates a PAL exceedance.

Bold and underlining indicates an ES exceedance.

Table 3
SUMMARY OF CONTAMINATES ANALYZED IN POTABLE WELLS

SUMMARY OF CONTAMINATES ANALYZED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN

Table with columns for Analyte, ES, PAL, and sampling locations: 3114 Hecker Rd., 3121 Hecker Rd., 3303 Hecker Rd. Rows include Volatile Organic Compounds (VOCs), RCRA Metals (mg/L), and Polychlorinated Biphenyls (PCBs).

SUMMARY OF CONTAMINATES ANALYZED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3461(3417) Hecker Rd.				
			10/24/13	11/12/13	5/30/14	8/26/14	11/10/14
			Inside Sink	Inside Sink	Inside Sink	Inside Sink	Inside Sink
Volatile Organic Compounds (VOCs) (µg/L):							
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromobenzene	NL	NL	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Bromochloromethane	NL	NL	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Bromoform	4.4	0.44	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
tert-Butylbenzene	NL	NL	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
sec-Butylbenzene	NL	NL	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
n-Butylbenzene	NL	NL	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Carbon Tetrachloride	5	0.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chlorobenzene	NL	NL	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Chloroethane	400	80	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
Chloroform	6	0.6	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Chloromethane	3	0.3	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
2-Chlorotoluene	NL	NL	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
4-Chlorotoluene	NL	NL	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.02	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Dibromochloromethane	60	6	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dibromomethane	NL	NL	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	15	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,3-Dichlorobenzene	600	120	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichlorobenzene	600	60	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Dichlorodifluoromethane	1000	200	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethane	850	85	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	2.58	2.15	2.12	1.79	1.49
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	5	0.5	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
2,2-Dichloropropane	NL	NL	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
1,3-Dichloropropane	NL	NL	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,1-Dichloropropene	NL	NL	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	0.04	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	0.04	NA	NA	NA	NA	NA
Di-isopropyl ether	NL	NL	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
EDB (1,2-Dibromoethane)	0.05	0.005	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Ethylbenzene	700	140	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
Hexachlorobutadiene	NL	NL	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Isopropylbenzene	NS	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
p-Isopropyltoluene	NL	NL	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Methylene Chloride	5	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methyl tert-butyl ether (MTBE)	60	12	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Naphthalene	100	10	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
n-Propylbenzene	NL	NL	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Styrene	100	10	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	0.2	0.02	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
1,1,1,2-Tetrachloroethane	70	7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Tetrachloroethene	5	0.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
1,2,4-Trichlorobenzene	70	14	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98
1,2,3-Trichlorobenzene	NL	NL	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,1,1-Trichloroethane	200	40	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,1,2-Trichloroethane	5	0.5	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Trichloroethene (TCE)	5	0.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Trichlorofluoromethane	NL	NL	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2,3-Trichloropropane	60	12	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	--	--	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
1,3,5-Trimethylbenzene	--	--	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total Trimethylbenzene	480	96	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Vinyl Chloride	0.2	0.02	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
m&p-Xylene	--	--	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
o-Xylene	--	--	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
Total Xylenes	2,000	400	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
RCRA Metals (mg/L)							
Antimony	0.006	0.0012	NA	NA	NA	NA	NA
Arsenic	0.01	0.001	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA
Beryllium	0.004	0.0004	NA	NA	NA	NA	NA
Cadmium	0.005	0.0005	NA	NA	NA	NA	NA
Chromium	0.1	0.01	NA	NA	NA	NA	NA
Copper	1.3	0.13	NA	NA	NA	NA	NA
Iron	0.3	0.15	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA
Manganese	0.05	0.025	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA
Nickel	0.1	0.02	NA	NA	NA	NA	NA
Selenium	0.05	0.01	NA	NA	NA	NA	NA
Silver	0.05	0.01	NA	NA	NA	NA	NA
Sodium	increase of 10		NA	NA	NA	NA	NA
Thallium	0.002	0.0004	NA	NA	NA	NA	NA
Zinc	5	2.5	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (µg/L):							
Aroclor-1016	--	--	NA	NA	NA	NA	NA
Aroclor-1221	--	--	NA	NA	NA	NA	NA
Aroclor-1232	--	--	NA	NA	NA	NA	NA
Aroclor-1242	--	--	NA	NA	NA	NA	NA
Aroclor-1248	--	--	NA	NA	NA	NA	NA
Aroclor-1254	--	--	NA	NA	NA	NA	NA
Aroclor-1260	--	--	NA	NA	NA	NA	NA
Total PCBs	0.03	0.003	NA	NA	NA	NA	NA
Field Screening Measurements							
pH (IU)	--	--	7.55	7.27	7.45	7.89	7.81
Conductivity (uS)	--	--	723	554	562	721	733
Temperature (°C)	--	--	10.5	9.43	11.9	14.1	10.72
Dissolved Oxygen (ppm)	--	--	4.73	17.93	1.53	0.95	2.47
Redox Potential (mV)	--	--	69	91.7	146	237	-112.9

SUMMARY OF CONTAMINATES ANALYZED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN

Table with columns: Analyte, ES(1), PAL(2), and sampling locations (10/22/13, 11/7/13, 11/7/13, 11/22/13, 5/28/14, 8/28/14, 9/29/14, 11/4/14) under '3515 Hecker Rd.'. Includes sections for Volatile Organic Compounds (VOCs), RCRA Metals (mg/L), and Polychlorinated Biphenyls (PCBs) (ug/L). Also includes Field Screening Measurements at the bottom.

SUMMARY OF CONTAMINATES ANALYZED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN

Analyte	ES ⁽¹⁾	PAL ⁽²⁾	3720 Hecker Rd.			3812 Silver Creek Rd	3902 Silver Creek Rd	4004 Silver Creek Rd	4156 Silver Creek Rd
			10/22/13	11/12/13	6/2/14	5/28/14	11/18/14	11/18/14	5/28/14
			Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Outside Spigot	Pressure Tank	Outside Spigot
Volatile Organic Compounds (VOCs) (µg/L):									
Benzene	5	0.5	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromobenzene	NL	NL	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
Bromochloromethane	NL	NL	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	0.6	0.06	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
Bromoform	4.4	0.44	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
tert-Butylbenzene	NL	NL	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
sec-Butylbenzene	NL	NL	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
n-Butylbenzene	NL	NL	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
Carbon Tetrachloride	5	0.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Chlorobenzene	NL	NL	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Chloroethane	400	80	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
Chloroform	6	0.6	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
Chloromethane	3	0.3	1.48 J	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
2-Chlorotoluene	NL	NL	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
4-Chlorotoluene	NL	NL	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.02	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88
Dibromochloromethane	60	6	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Dibromomethane	NL	NL	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	15	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,3-Dichlorobenzene	600	120	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichlorobenzene	600	60	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Dichlorodifluoromethane	1000	200	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
1,2-Dichloroethane	5	0.5	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
1,1-Dichloroethane	850	85	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,1-Dichloroethene	7	0.7	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
cis-1,2-Dichloroethene	70	7	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
trans-1,2-Dichloroethene	100	20	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35
1,2-Dichloropropane	5	0.5	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
2,2-Dichloropropane	NL	NL	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
1,3-Dichloropropane	NL	NL	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,1-Dichloropropene	NL	NL	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	0.4	0.04	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	0.4	0.04	NA	NA	NA	NA	NA	NA	NA
Di-isopropyl ether	NL	NL	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
EDB (1,2-Dibromoethane)	0.05	0.005	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44
Ethylbenzene	700	140	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
Hexachlorobutadiene	NL	NL	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Isopropylbenzene	NS	NS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
p-Isopropyltoluene	NL	NL	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31
Methylene Chloride	5	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methyl tert-butyl ether (MTBE)	60	12	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
Naphthalene	100	10	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
n-Propylbenzene	NL	NL	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Styrene	100	10	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	0.2	0.02	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
1,1,1,2-Tetrachloroethane	70	7	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Tetrachloroethene	5	0.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	800	160	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
1,2,4-Trichlorobenzene	70	14	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98	< 0.98
1,2,3-Trichlorobenzene	NL	NL	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,1,1-Trichloroethane	200	40	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
1,1,2-Trichloroethane	5	0.5	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
Trichloroethene (TCE)	5	0.5	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Trichlorofluoromethane	NL	NL	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2,3-Trichloropropane	60	12	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	--	--	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
1,3,5-Trimethylbenzene	--	--	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Total Trimethylbenzene	480	96	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Vinyl Chloride	0.2	0.02	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
m&p-Xylene	--	--	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
o-Xylene	--	--	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
Total Xylenes	2,000	400	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69	< 0.69
RCRA Metals (mg/L)									
Antimony	0.006	0.0012	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.01	0.001	NA	NA	NA	NA	NA	NA	NA
Barium	2	0.4	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.004	0.0004	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.005	0.0005	NA	NA	NA	NA	NA	NA	NA
Chromium	0.1	0.01	NA	NA	NA	NA	NA	NA	NA
Copper	1.3	0.13	NA	NA	NA	NA	NA	NA	NA
Iron	0.3	0.15	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.0015	NA	NA	NA	NA	NA	NA	NA
Manganese	0.05	0.025	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	0.0002	NA	NA	NA	NA	NA	NA	NA
Nickel	0.1	0.02	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	0.01	NA	NA	NA	NA	NA	NA	NA
Silver	0.05	0.01	NA	NA	NA	NA	NA	NA	NA
Sodium	increase of 10		NA	NA	NA	NA	NA	NA	NA
Thallium	0.002	0.0004	NA	NA	NA	NA	NA	NA	NA
Zinc	5	2.5	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (µg/L):									
Aroclor-1016	--	--	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221	--	--	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232	--	--	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242	--	--	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	--	--	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	--	--	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	--	--	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.03	0.003	NA	NA	NA	NA	NA	NA	NA
Field Screening Measurements									
pH (IU)	--	--	8.03	7.86	7.43	7.97	8.26	7.96	7.91
Conductivity (uS)	--	--	775	529	622	520	654	826	683
Temperature (°C)	--	--	9.56	10.58	12.1	10.4	10	9.68	12.2
Dissolved Oxygen (ppm)	--	--	3.81	7.26	1.22	1.98	7.75	2.8	3.76
Redox Potential (mV)	--	--	20.1	87.4	155	112.0	-38.0	65.8	117.0

SUMMARY OF CONTAMINATES ANALYZED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN

Table with columns for Analyte, ES(1), PAL(2), and sampling locations: 4315 Silver Creek Rd (Pressure Tank 12/12/13, 6/2/14), 4609 Silver Creek Rd (Pressure Tank 12/3/13, 6/3/14), 4620 Silver Creek Rd (House-Outside 11/8/13, Barn-Inside 11/12/13, House-Outside 5/28/14, Barn-Inside 5/28/14), and 4752 Silver Creek Rd (Kitchen Sink 12/5/13, Kitchen Sink 6/2/14). Rows include Volatile Organic Compounds (VOCs), RCRA Metals, and Polychlorinated Biphenyls (PCBs).

SUMMARY OF CONTAMINATES ANALYZED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN

Table with columns: Analyte, ES(1), PAL(2), 3412 CTH CR (1/3/14, 8/26/14, 11/10/14), 3422 CTH CR (1/6/14, 5/30/14, 8/25/14, 11/18/14). Rows include Volatile Organic Compounds (VOCs), RCRA Metals, and Psychlorinated Biphenyls (PCBs).

SUMMARY OF CONTAMINATES ANALYZED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN

Table with columns for Analyte, ES(1), PAL(2), and sampling locations (3523 CTH CR, 3533 CTH CR, 3611 CTH CR, 3618 CTH CR, 3626 CTH CR) across various dates. Rows include Volatile Organic Compounds (VOCs) such as Benzene, Chloroethane, and Dichloroethane, RCRA Metals like Antimony and Arsenic, and Polychlorinated Biphenyls (PCBs). A final section shows Field Screening Measurements for pH, Conductivity, Temperature, Dissolved Oxygen, and Redox Potential.

SUMMARY OF CONTAMINATES ANALYZED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN

Table with columns for Analyte, ES(1), PAL(2), and sampling locations: 3318 Orchard Ln., 3420 Orchard Ln., 3523 Orchard Ln., 3524 Orchard Ln., and 3921 Black Hawk Ct. Rows include Volatile Organic Compounds (VOCs), RCRA Metals (mg/L), and Polychlorinated Biphenyls (PCBs).

**SUMMARY OF CONTAMINATES ANALYZED IN POTABLE WELLS
FORMER TOWN OF NEWTON GRAVEL PIT
MANITOWOC, WISCONSIN**

NOTES:

(1) Enforcement Standard from NR140, January 2012.

(2) Preventive Action Limit from NR140, January 2012.

NL - ES or PAL not listed in NR140.

NA - Not analyzed.

ND - Not detected.

NM - Not measured.

NS - Not sampled.

J - Compound was detected at a concentration between the limit of detection (LOD) and the limit of quantitation (LOQ).

Q - Compound was detected at a concentration between the limit of detection (LOD) and the limit of quantitation (LOQ).

& - LCS recovery was outside of control limits.

H - Holding time exceeded by (n) days

D - The result is from a dilution analysis.

A - Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.

ED - Elevated detection limit due to matrix effects.

MS - Either the matrix spike or matrix spike duplicate was outside of the acceptable control limits. All other supporting QC was within the acceptable control limits.

E - Analyte concentration exceeds calibration range (see Sample Narrative).

* - Duplicate analyses not within control limits.

B(x) - Analyte is detected in the method blank at "x" concentration. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.

N - Spiked sample recovery not within control limits; post-digestion spike recovery accepted.

B - Analyte found in method blank.

OC - Elevated reporting limit due to analyte concentration.

Bold indicates a PAL exceedance.

Bold and underlining indicates an ES exceedance.

Table 4
POTABLE WELL MONITORING WORK PLAN, 3rd QUARTER 2014 UPDATE

TABLE 4
 POTABLE WELL MONITORING WORK PLAN
 3rd QUARTER 2014 UPDATE
 SUMMARY OF QUARTERLY POTABLE WELL SAMPLING
 FORMER TOWN OF NEWTON GRAVEL PIT
 MANITOWOC, WISCONSIN

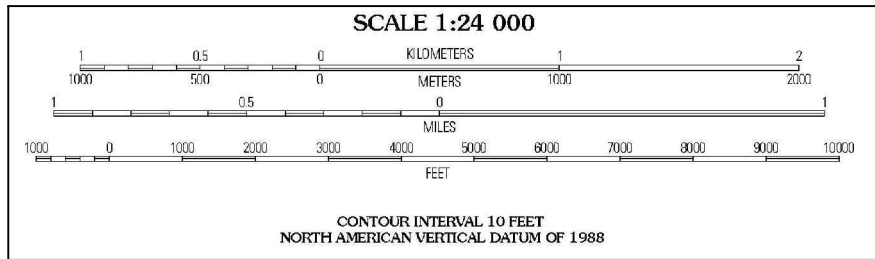
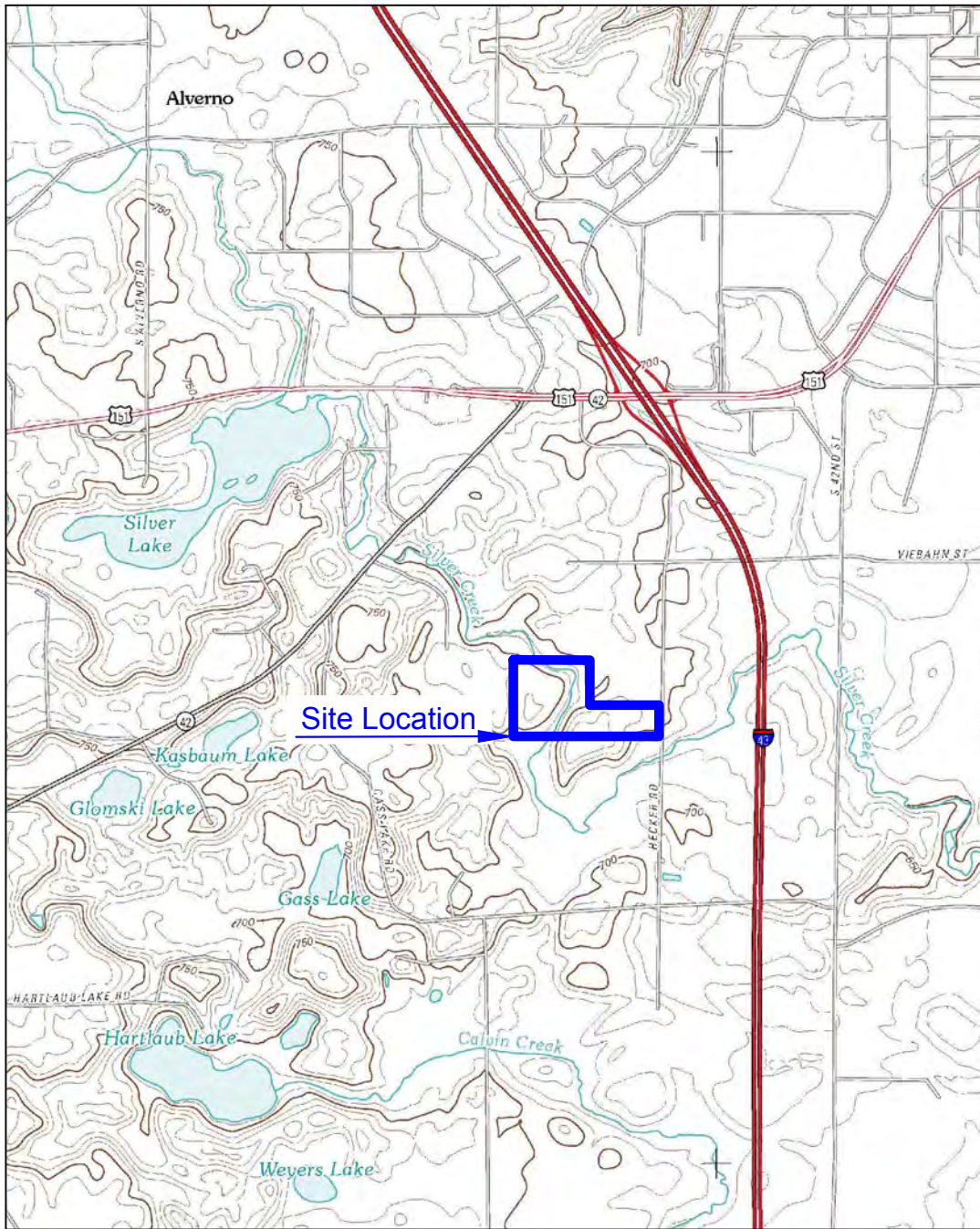
Well Address	1st Quarter May 2014	Notes Based on Results from Q1:	2nd Quarter August 2014	Notes Based on Results from Q2:	3rd Quarter November 2014	Notes Based on Results from Q3:	4th Quarter February 2015
Target Zone Wells							
3617(3621) Viebahn St	na		na	Q2, new DG well for Q3	1	Q3, moved from DG to Target	1
3701 Viebahn St	na		na	Q2, new DG well for Q3	1	Q3, moved from DG to Target	1
3815 Viebahn St	na		na	Q2, new DG well for Q3	1	Q3, moved from DG to Target	1
3817 Viebahn St	na		na	Q2, new DG well for Q3	1	Q3, moved from DG to Target	1
3825 Viebahn St	na		na	Q2, new DG well for Q3	1	Q3, moved from DG to Target	1
4025 Viebahn St	na		na	Q2, new DG well for Q3	1	Q3, moved from DG to Target	1
4101 Viebahn St	na		na	Q2, new DG well for Q3	1	Q3, moved from DG to Target	1
4141 Viebahn St	na	Q1, new DG well, 2 properties served by 1 well	1	Q2, moved from DG to Target	1		1
2717 CTH CR	1	Q1, moved from Sent. to Target	0	not sampled	1		1
3303 Hecker Rd.	1		1		1		1
3327 Hecker Rd.	1		1		1		1
3461(3417) Hecker Rd.	1		1		1		1
3702 Hecker Rd.	1		1		1		1
2734(2804) CTH CR	1	Q1, moved from DG to Target	1		1		1
2916 CTH CR	1		1		1		1
3403 CTH CR	1		1		1		1
3504 CTH CR	1		1		1	Replacement well not installed yet	1
3618 CTH CR	1		1		1		1
4002 Thunder Ridge	O	Q1, not sampled, non responsive	1		O	Q3, not sampled, non responsive	1
4005 Thunder Ridge	1	Q1, moved from DG to Target	1		1		1
4010 Thunder Ridge	1	Q1, moved from DG to Target	1		O	Q3, not sampled, non responsive	1
4027 Thunder Ridge	1	Q1, moved from DG to Target	1		1		1
4101 Thunder Ridge	na	Q1, new DG well	1	Q2, moved from DG to Target	1		1
4111 Thunder Ridge	na	Q1, new DG well	1	Q2, moved from DG to Target	1		1
3921 Black Hawk Ct.	1		1		1		1
4159 Silver Creek Rd.	1		1		1		1
3027 Orchard Ln.	1		1		1		1
Replacement Wells							
3515 Hecker Rd.	1		1		1	Q3, moved from Target to Replacement	1
3518 Hecker Rd.	1		1		1	Q3, moved from Target to Replacement	1
3609 Hecker Rd.	1		1		1	Q3, moved from Target to Replacement	1
3023 CTH CR	1		1		1	Q3, moved from Target to Replacement	1
3120 CTH CR	1		1		1	Q3, moved from Target to Replacement	1
Sentinel Zone Wells							
4219 Viebahn St	na	Q1, new DG well	1	Q2, moved from DG to Sentinel			
3121 Hecker Rd.	1						
3320 Hecker Rd.	1						
3625 Hecker Rd.	1						
3720 Hecker Rd.	1						
2706 CTH CR	na	Q1, new DG well	1	Q2, moved from DG to Sentinel			
2716 CTH CR	na	Q1, new DG well	1	Q2, moved from DG to Target	1	Q3, moved from Target to Sentinel	
2832 (2904) CTH CR	1					Q3, perm. Sentinel to targ. Sentinel	
2911 CTH CR	1	Q1, moved from DG to Sentinel				Q3, perm. Sentinel to targ. Sentinel	
2917 CTH CR	1					Q3, perm. Sentinel to targ. Sentinel	
3224 CTH CR	1		1		1	Q3, moved from Target to targ. Sentinel	
3312 CTH CR	1		1		1	Q3, moved from Target to targ. Sentinel	
3322 CTH CR	1		1		1	Q3, moved from Target to targ. Sentinel	
3412 CTH CR	O	Q1, not sampled, non responsive	1		1	Q3, moved from Target to targ. Sentinel	
3422 CTH CR	1		1		1	Q3, moved from Target to targ. Sentinel	
3523 CTH CR	1					Q3, perm. Sentinel to targ. Sentinel	
3533 CTH CR	1					Q3, perm. Sentinel to targ. Sentinel	
3611 CTH CR	1	Q1, moved from DG to Sentinel				Q3, perm. Sentinel to targ. Sentinel	
3626(3626B) CTH CR	1					Q3, perm. Sentinel to targ. Sentinel	
3627 CTH CR	1					Q3, moved from Historical to targ. Sentinel	
4024 CTH CR	1						
4101 CTH CR	1	Q1, moved from DG to Sentinel					
4127 Thunder Ridge Rd.	1		na		na	Q3, moved from Historical to Sentinel	
3128 Orchard Ln.	1						
3420 Orchard Ln.	1						
3524 Orchard Ln.	1						
3318 Orchard Ln.	1	Q1, moved from DG to Sentinel					
3812 Silver Creek	1	Q1, moved from DG to Sentinel					
3902 Silver Creek Rd.	na		na	Q2, new DG well for Q3	1	Q3, moved from DG to Sentinel	
4004 Silver Creek Rd.	na		na	Q2, new DG well for Q3	1	Q3, moved from DG to Sentinel	
4156 Silver Creek	1	Q1, moved from DG to Sentinel					
Data Gap Wells							
3911 Blackhawk Ct	O	Q1, not sampled, non responsive	O	Q2, not sampled, non responsive	O	Q3, not sampled, non responsive	1
Historically Sampled Wells							
5107 Veibahn St.	na	Q1, not sampled, upgradient					
2925 Fricke Rd.	na	Q1, not sampled, upgradient					
3107 Fricke Rd.	na	Q1, not sampled, upgradient					
3610 Gass Lake Rd.	na	Q1, not sampled, upgradient					
3609 M&M Ln.	na	Q1, not sampled, upgradient					
3717 M&M Ln.	na	Q1, not sampled, upgradient					
3804 M&M Ln.	na	Q1, not sampled, upgradient					
3114 Hecker Rd.	1		na		na	Q3, moved from Sentinel to Historical	
3627 Hecker Rd.	1		na		na	Q3, moved from Sentinel to Historical	
2881 CTH CR	O	Q1, not sampled, out of service					
3904 CTH CR	1						
4212 Silver Creek		Q1, moved from DG to Historical - 3 properties served by 1 well, 4212 Silver Crk					
4220 Silver Creek	1						
4236 Silver Creek							
4314 Silver Creek Rd.	1						
4315 Silver Creek Rd.	1						
4609 Silver Creek Rd.	1						
4620 Silver Creek Rd. (two wells)	2						
4752 Silver Creek Rd.	1						
4808 Silver Creek Rd.	1						
5202 Silver Creek Rd.	na	Q1, not sampled, upgradient					
3523 Orchard Ln.	1		na		na	Q3, moved from Sentinel to Historical	

Figures:

Figure 1; Site Location

Figure 2; 2014 Third Quarter Potable Well VOC Sampling Results

Figure 3; 2014 Fourth Quarter Potable Well VOC Sampling



Topographic Map courtesy of the
United States Geological Survey

[http://store.usgs.gov/b2c_usgs/usgs/maplocator/\(ctype=areaDetails&xcm=3standardpitrex_prd&carearea=%24ROOT&layout=6_1_61_48&uiarea=2\)/do](http://store.usgs.gov/b2c_usgs/usgs/maplocator/(ctype=areaDetails&xcm=3standardpitrex_prd&carearea=%24ROOT&layout=6_1_61_48&uiarea=2)/do)

Map Date: 2010

AECOM
Milwaukee Office
1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

FORMER NEWTON GRAVEL PIT

SITE LOCATION

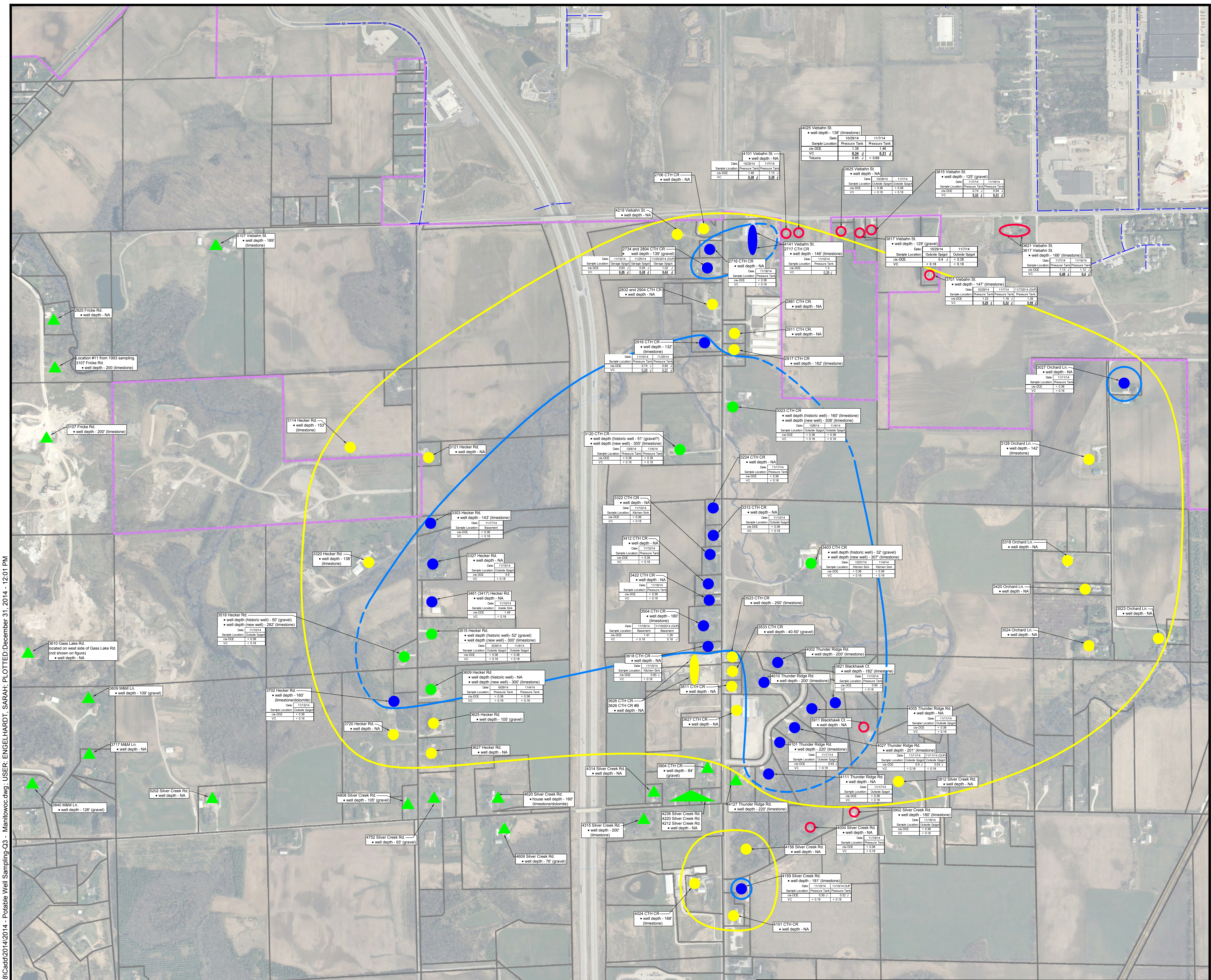


Project Number:
60135471

Drawn By:
SAE

Date:
2/8/2013

Figure No. 1



File: \\US\NW\K1\F5001\prod\Data\Library\work\82518\Cadd\2014\2014.1 - Potable Well Sampling-Q3 - USER: ENGELHARDT, SARAH - PLOTTED: December 31, 2014 - 12:01 PM

LEGEND:

- PROPERTY BOUNDARY
- PROPERTY BOUNDARY - CITY LIMITS
- W POTABLE WATER SUPPLY (from City of Manitowoc)
- POTABLE WELL SAMPLE LOCATIONS
- -WITHIN TARGET ZONE
- -WITHIN SENTINEL ZONE
- -REPLACEMENT WELL WITHIN TARGET ZONE
- ▲ -UPGRADIENT AND HISTORICALLY SAMPLED WELLS
- TARGET ZONE
- SENTINEL ZONE
- DATA GAP SAMPLE LOCATION
- WELL OUT OF SERVICE

NOTES:

1. VOCs detected from likely laboratory or sampling cross-contamination not reported on figure.
2. VOC values for Q3-2014 sampling event reported on figure.
3. Analytical data presented in µg/L.

- VOCs = Volatile Organic Compounds
- cis-DCE = cis-1,2-Dichloroethene
- VC = Vinyl Chloride
- **bold** = PAL exceedance
- **bold and underlined** = ES exceedance
- PAL = Preventive Action Limit
- ES = Enforcement Standard

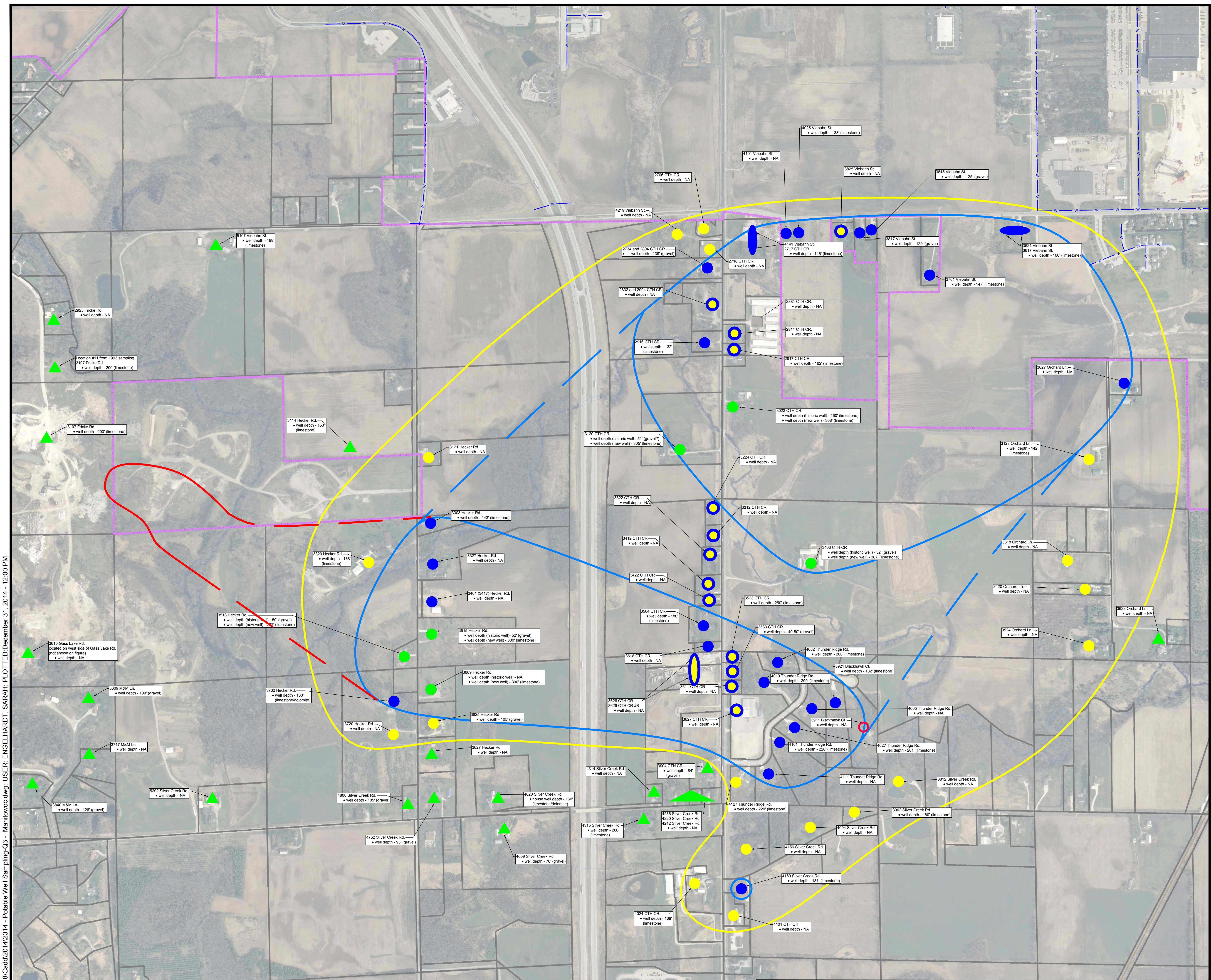
AECOM
 Milwaukee Office
 1555 RiverCenter Dr
 Milwaukee, WI
 414.944.6080

FORMER NEWTON GRAVEL PIT

**2014 QUARTER 3
 POTABLE WELL
 SAMPLING RESULTS**

Project Number: 60311767
 Drawn By: SAE
 Date: 12/31/2014

Figure No. 2



File: \US\NW\K1\F5001\prod\Data\Library\work\82518\Cadd\2014\2014.1 - Potable Well Sampling-Q3 - Manitowoc.dwg; USER: ENGELHARDT, SARAH; PLOTTED: December 31, 2014 - 12:00 PM

LEGEND:

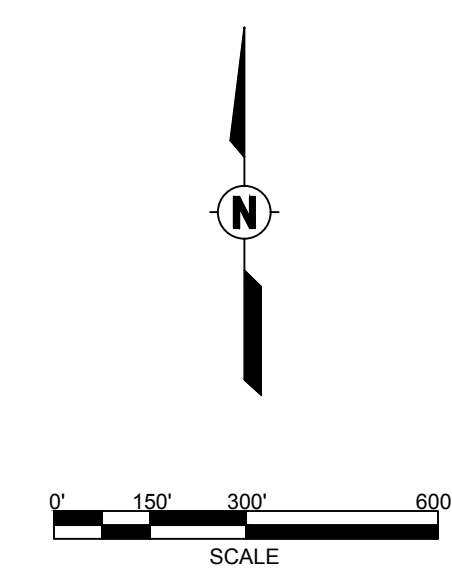
- PROPERTY BOUNDARY
- PROPERTY BOUNDARY - CITY LIMITS
- UTILITIES:
 - POTABLE WATER SUPPLY (from City of Manitowoc)
- POTABLE WELL SAMPLE LOCATIONS
 - WITHIN TARGET ZONE
 - WITHIN TARGET ZONE WITH NO DETECTS
 - WITHIN SENTINEL ZONE
- ▲ -REPLACEMENT WELL WITHIN TARGET ZONE
- ▲ -UPGRADIENT AND HISTORICALLY SAMPLED WELLS
- TARGET ZONE
- SENTINEL ZONE
- FORMER GRAVEL PIT ZONE
- DATA GAP SAMPLE LOCATION
- WELL OUT OF SERVICE

AECOM
 Milwaukee Office
 1555 RiverCenter Dr
 Milwaukee, WI
 414.944.6080

FORMER NEWTON GRAVEL PIT

**2014 QUARTER 3
 PROPOSED QUARTER 4
 POTABLE WELL SAMPLING LOCATIONS**

Project Number: 60311767	Drawn By: SAE	Date: 12/31/2014
		Figure No. 3



Attachment A:

Well Construction Reports

Property Owner **James Schnuelle** Telephone Number ()

Mailing Address **3403 Hwy CR**

City **Manitowoc** State **WI** Zip Code **54220-**

County of Well Location **MANITOWOC** Co. Well Permit No. **W** Well Completion Date (mm-dd-yyyy) **10 - 15 - 2014**

Well Constructor (Business Name) **Ground Source** License # **4462** Facility ID Number (Public Wells)

Address **3671 Monroe Road** Well Plan Approval #

City **De Pere** State **WI** Zip Code **54115-** Date of Approval (mm/dd/yyyy)

Hicap Permanent Well # Common Well # Specific Capacity gpm/ft

3. Well serves **1** # of home (For example: home, barn, restaurant, church, school, industry, etc.) High Capacity: Well? Yes No Property? Yes No

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Yes No Well located within 1,200 feet of a quarry? Yes No If yes, distance in feet from quarry: Well located in floodplain? Yes No If no, explain on back side.

- Distance in feet from well to nearest: (include proposed)
- 1. Landfill
 - 22. Building Overhang
 - 40. 3. Septic Holding Tank
 - 65. 4. Sewage Absorption Unit
 - 5. Nonconforming Pit
 - 6. Buried Home Heating Oil Tank
 - 7. Buried Petroleum Tank
 - 8. Shoreline Swimming Pool
 - 9. Downspout/Yard Hydrant
 - 10. Privy
 - 11. Foundation Drain to Clearwater
 - 12. Foundation Drain to Sewer
 - 13. Building Drain Cast Iron or Plastic Other
 - 14. Building Sewer Gravity Pressure Cast Iron or Plastic Other
 - 15. Collector Sewer: sanitary units in. diam. storm ≤ 6" > 6"
 - 16. Clearwater Sump
 - 17. Wastewater Sump
 - 18. Paved Animal Barn Pen
 - 19. Animal Yard or Shelter
 - 20. Silo
 - 21. Barn Gutter
 - 22. Manure Pipe Gravity Pressure Cast Iron or Plastic Other
 - 23. Other Manure Storage
 - 24. Ditch
 - 25. Other NR 812 Waste Source

1. Well Location Town City Village Fire # (If avail.) of **Newton**

Street Address or Road Name and Number **3403 Hwy CR**

Subdivision Name Lot # Block #

Gov't Lot # or **NW** 1/4 of **SW** 1/4 of Section **1**, T **18** N; R **23** E W

Latitude Deg. **44** Min. **3.486**

Longitude Deg. **87** Min. **41.916**

2. Well Type New Replacement Reconstruction Lat/Long Method **GPS008**

(see item 12 below) Reason for replaced or reconstructed well? Contamination

Drilled Driven Point Jetted Other

5. Drillhole Dimensions and Construction Method			
From Dia. (in.)	To Dia. (ft.)	Upper Enlarged Drillhole	Lower Open Bedrock
13	surface	172	
9	172	275	
6	275	307	

8. Geology			
Geology Codes	Type, Caving/Noncaving, Color, Hardness, etc.	From (ft.)	To (ft.)
Z	Clay & Gravel	0	13
C	Clay	13	100
Z	Clay & Gravel	100	130
P	Hardpan	130	150
L	Limestone/Dolomite	150	164
C L	Cavernous, Limestone/Dolomite	165	168
L	Limestone/Dolomite	168	240
B L	Broken, Limestone/Dolomite	240	242
L	Limestone/Dolomite	242	307

6. Casing, Liner, Screen			
Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
10	new pln end blk steel welded 4	surface	172
6	new pln end blk steel welded 18		275
	.97 .280 A53 Exltube		
Dia. (in.)	Screen type, material & slot size	From	To

9. Static Water Level		11. Well Is:	
1	ft. above ground surface	24	in. <input checked="" type="checkbox"/> Above Grade <input type="checkbox"/> Below
	ft. below ground surface		
10. Pump Test		Developed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Pumping level	50 ft. below surface	Disinfected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Pumping at	30 GPM for 1 Hrs.	Capped?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

7. Grout or Other Sealing Material			
Method	Kind of Sealing Material	From (ft.)	To (ft.)
Bradenhead	Neat cement grout	surface	275
	(Gravel pack if applicable)		130

12. Did you permanently abandon and fill all unused, noncomplying or unsafe wells on this property? Yes No If no, explain on reverse.

13. Signature of Well Constructor or Supervisory Driller **tv** Date Signed **10/23/2014**

Print Name of Drill Rig Operator (Mandatory unless same as above) **kv** Date **10/23/2014**

Make additional comments on reverse side about geology, additional screens, water quality, etc. Comments on reverse side (CHECK ✓, IF YES) Variance Issued Yes No Notification # **53012471**

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER

YK875

State of WI - Private Water Systems-DG/5 Form 3300-077A
Department of Natural Resources, Box 7921 (R 7/10)
Madison, WI 53707

Property Owner **John C. Shoop** Telephone Number ()

Mailing Address **3120 Hwy CR**

City **Manitowoc** State **WI** Zip Code **54220-**

County of Well Location **MANITOWOC** Co. Well Permit No. **W** Well Completion Date (mm-dd-yyyy) **9/ - 9/ - 014**

Well Constructor (Business Name) **Ground Source** License # **4462** Facility ID Number (Public Wells)

Address **3671 Monroe Road** Well Plan Approval #

City **De Pere** State **WI** Zip Code **54115-** Date of Approval (mm/dd/yyyy)

Hicap Permanent Well # Common Well # Specific Capacity gpm/ft

3. Well serves **1** # of **home** (For example: home, barn, restaurant, church, school, industry, etc.) High Capacity: Well? Yes No Property? Yes No

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Yes No If yes, distance in feet from quarry: Well located in floodplain? Yes No

- Distance in feet from well to nearest: (include proposed)
- 1. Landfill
 - 22. Building Overhang
 - 40. 3. Septic Holding Tank X
 - 58. 4. Sewage Absorption Unit
 - 5. Nonconforming Pit
 - 6. Buried Home Heating Oil Tank
 - 7. Buried Petroleum Tank
 - 8. Shoreline Swimming Pool
 - 9. Downspout/Yard Hydrant
 - 10. Privy
 - 11. Foundation Drain to Clearwater
 - 12. Foundation Drain to Sewer
 - 13. Building Drain Cast Iron or Plastic Other
 - 14. Building Sewer Gravity Pressure Cast Iron or Plastic Other
 - 15. Collector Sewer: sanitary units in, diam. storm ≤ 6" > 6"
 - 16. Clearwater Sump
 - 17. Wastewater Sump
 - 18. Paved Animal Barn Pen
 - 19. Animal Yard or Shelter
 - 20. Silo
 - 21. Barn Gutter
 - 22. Manure Pipe Gravity Pressure Cast Iron or Plastic Other
 - 23. Other Manure Storage
 - 24. Ditch
 - 25. Other NR 812 Waste Source

1. Well Location Town City Village Fire # (If avail.) of **Newton**

Street Address or Road Name and Number **3120 Hwy CR**

Subdivision Name Lot # Block #

Gov't Lot # or **SE** 1/4 of **NE** 1/4 of Section **2**, T **18** N; R **23** E W

Latitude Deg. Min. Longitude Deg. Min.

2. Well Type New Replacement Reconstruction Lat/Long Method

(see item 12 below) of previous unique well # constructed in Reason for replaced or reconstructed well? **contamination**

Drilled Driven Point Jetted Other

5. Drillhole Dimensions and Construction Method			
From Dia. (in.)	To Dia. (in.)	Upper Enlarged Drillhole (ft.)	Lower Open Bedrock (ft.)
9	surface	279	
6	279	305	

8. Geology Type, Caving/Noncaving, Color, Hardness, etc.			
Geology Codes	From (ft.)	To (ft.)	
X - C	0	6	Sand & Clay
- C	6	50	Clay
- Z	50	121	Clay & Gravel
B L	121	136	Broken, Limestone/Dolomite
H L	136	305	Hard/Firm, Limestone/Dolomite

6. Casing, Liner, Screen			
Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6	new pln end blk steel welded	surface	279
	18.97 .280 A53 Exltube		

9. Static Water Level _____ ft. above ground surface **5** ft. below ground surface

10. Pump Test Pumping level **50** ft. below surface Pumping at **30** GPM for **1** Hrs.

11. Well Is: Above Grade Below 12 in.

Developed? Yes No Disinfected? Yes No Capped? Yes No

7. Grout or Other Sealing Material			
Method	Kind of Sealing Material	From (ft.)	To (ft.)
Bradenhead		surface	279
	Neat cement grout		70

12. Did you permanently abandon and fill all unused, noncomplying or unsafe wells on this property? Yes No If no, explain on reverse.

13. Signature of Well Constructor or Supervisory Driller **tv** Date Signed **10/23/2014**

Print Name of Drill Rig Operator (Mandatory unless same as above) Date **kv** **10/23/2014**

Make additional comments on reverse side about geology, additional screens, water quality, etc. Comments on reverse side (CHECK ✓, IF YES) Variance Issued Yes No

Notification # **52884913**

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER

YK874

State of WI - Private Water Systems-DG/5 Form 3300-077A
Department of Natural Resources, Box 7921 (R 7/10)
Madison, WI 53707

Property Owner **Ronald & Corinna Eberhardt** Telephone Number ()

Mailing Address **3023 Hwy CR**

City **Manitowoc** State **WI** Zip Code **54220-**

County of Well Location **MANITOWOC** Co. Well Permit No. **W** Well Completion Date (mm-dd-yyyy) **9/ - 9/ - 014**

1. Well Location
 Town City Village Fire # (If avail.)
of **Newton**

Street Address or Road Name and Number
3023 Hwy CR

Subdivision Name Lot # Block #

Well Constructor (Business Name) **Ground Source** License # **4462** Facility ID Number (Public Wells)

Address **3671 Monroe Road** Well Plan Approval #

City **De Pere** State **WI** Zip Code **54115-** Date of Approval (mm/dd/yyyy)

Hicap Permanent Well # Common Well # Specific Capacity gpm/ft

Gov't Lot # or SW 1/4 of NW 1/4 of Section **1**, T **18** N; R **23** E W

Latitude Deg. Min. Longitude Deg. Min.

2. Well Type New Replacement Reconstruction Lat/Long Method

(see item 12 below) of previous unique well # constructed in

Reason for replaced or reconstructed well? **contamination**

Drilled Driven Point Jetted Other

3. Well serves **1** # of home (For example: home, barn, restaurant, church, school, industry, etc.) High Capacity: Well? Yes No Property? Yes No

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Yes No If yes, distance in feet from quarry: Well located within 1,200 feet of a quarry? Yes No Well located in floodplain? Yes No If no, explain on back side.

- Distance in feet from well to nearest: (include proposed)
- 1. Landfill
 - 45 2. Building Overhang
 - 55 3. Septic Holding Tank Holding Tank Holding Tank
 - 60 4. Sewage Absorption Unit
 - 5. Nonconforming Pit
 - 6. Buried Home Heating Oil Tank
 - 7. Buried Petroleum Tank
 - 8. Shoreline Swimming Pool Swimming Pool
 - 9. Downspout/Yard Hydrant
 - 10. Privy
 - 11. Foundation Drain to Clearwater
 - 12. Foundation Drain to Sewer
 - 13. Building Drain Cast Iron or Plastic Other
 - 14. Building Sewer Gravity Pressure Cast Iron or Plastic Other
 - 15. Collector Sewer: sanitary units in. diam. storm ≤ 6" > 6"
 - 16. Clearwater Sump
 - 17. Wastewater Sump
 - 18. Paved Animal Barn Pen
 - 19. Animal Yard or Shelter
 - 20. Silo
 - 21. Barn Gutter
 - 22. Manure Pipe Gravity Pressure Cast Iron or Plastic Other
 - 23. Other Manure Storage
 - 24. Ditch
 - 25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method				Lower Open Bedrock
Dia. (in.)	From (ft.)	To (ft.)	Upper Enlarged Drillhole	
9	surface	275	<input checked="" type="checkbox"/> 1. Rotary - Mud Circulation	<input type="checkbox"/>
			<input type="checkbox"/> 2. Rotary - Air	<input checked="" type="checkbox"/>
6	275	308	<input type="checkbox"/> 3. Rotary - Air and Foam	<input type="checkbox"/>
			<input type="checkbox"/> 4. Drill-Through Casing Hammer	
			<input type="checkbox"/> 5. Reverse Rotary	
			<input type="checkbox"/> 6. Cable-tool Bit in. dia.	
			<input type="checkbox"/> 7. Temp. Outer Casing in. dia. Removed? depth ft. <input type="checkbox"/> Yes <input type="checkbox"/> No - If no, explain on back side.	
			<input type="checkbox"/> 8. Dual Rotary	<input type="checkbox"/>

8. Geology		From (ft.)	To (ft.)
Geology Codes	Type, Caving/Noncaving, Color, Hardness, etc.		
S	Sand	0	10
C	Clay	10	90
C G	Clay, w/Gravel/Cobbles/Boulders/Stones	90	120
P T	Hardpan, w/Till	120	133
L	Limestone/Dolomite	133	308

6. Casing, Liner, Screen			
Dia. (in.)	Material, Weight, Specification	From (ft.)	To (ft.)
6	new pln end blk steel welded	surface	275
	18.97 .280 A53 Exltube		
Dia. (in.)	Screen type, material & slot size	From	To

9. Static Water Level		11. Well Is:	
2	ft. above ground surface	24	in. <input checked="" type="checkbox"/> Above Grade <input type="checkbox"/> Below
	ft. below ground surface		
10. Pump Test		Developed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Pumping level 40 ft. below surface	Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Pumping at 50 GPM for 1 Hrs.	Capped? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

7. Grout or Other Sealing Material			
Method	Kind of Sealing Material	From (ft.)	To (ft.)
Bradenhead	Neat cement grout	surface	275
	(Gravel pack if applicable)		
			75

12. Did you permanently abandon and fill all unused, noncomplying or unsafe wells on this property? Yes No If no, explain on reverse.

13. Signature of Well Constructor or Supervisory Driller **tv** Date Signed **10/23/2014**

Print Name of Drill Rig Operator (Mandatory unless same as above) **kv** Date **10/23/2014**

Make additional comments on reverse side about geology, additional screens, water quality, etc. Comments on reverse side (CHECK ✓, IF YES) Variance Issued Yes No Notification # **52884911**

Well Construction Report
WISCONSIN UNIQUE WELL NUMBER

YK856

State of WI - Private Water Systems-DG/5 Form 3300-077A
Department of Natural Resources, Box 7921 (R 7/10)
Madison, WI 53707

Property Owner **ORP Real Estate Holding** Telephone Number ()

Mailing Address **1746 Executive Drive**

City **Oconomowoc** State **WI** Zip Code **53066-**

County of Well Location **MANITOWOC** Co. Well Permit No. **W** Well Completion Date (mm-dd-yyyy) **9/ - 2/ - 014**

1. Well Location
 Town City Village Fire # (If avail.)
of **Newton**

Street Address or Road Name and Number
3609 Hecker Road

Subdivision Name Lot # Block #

Well Constructor (Business Name) **Ground Source** License # **4462** Facility ID Number (Public Wells)

Address **3671 Monroe Road** Well Plan Approval #

City **De Pere** State **WI** Zip Code **54115-** Date of Approval (mm/dd/yyyy)

Hicap Permanent Well # Common Well # Specific Capacity gpm/ft

Gov't Lot # or SW 1/4 of SE 1/4 of Section **2**, T **18** N; R **23** E W

Latitude Deg. Min. Longitude Deg. Min.

2. Well Type New Replacement Reconstruction Lat/Long Method

(see item 12 below) of previous unique well # constructed in Reason for replaced or reconstructed well?

Drilled Driven Point Jetted Other

3. Well serves **1** # of home (For example: home, barn, restaurant, church, school, industry, etc.) High Capacity: Well? Yes No Property? Yes No

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Yes No If yes, distance in feet from quarry: Well located in floodplain? Yes No

- Distance in feet from well to nearest: (include proposed)
- 1. Landfill
 - 30 2. Building Overhang
 - 75 3. Septic Holding Tank Holding Tank
 - 165 4. Sewage Absorption Unit
 - 5. Nonconforming Pit
 - 6. Buried Home Heating Oil Tank
 - 7. Buried Petroleum Tank
 - 8. Shoreline Swimming Pool
 - 9. Downspout/Yard Hydrant
 - 10. Privy
 - 11. Foundation Drain to Clearwater
 - 12. Foundation Drain to Sewer
 - 13. Building Drain Cast Iron or Plastic Other
 - 14. Building Sewer Gravity Pressure Cast Iron or Plastic Other
 - 15. Collector Sewer: sanitary units in diam. storm ≤ 6" > 6"
 - 16. Clearwater Sump
 - 17. Wastewater Sump
 - 18. Paved Animal Barn Pen
 - 19. Animal Yard or Shelter
 - 20. Silo
 - 21. Barn Gutter
 - 22. Manure Pipe Gravity Pressure Cast Iron or Plastic Other
 - 23. Other Manure Storage
 - 24. Ditch
 - 25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

From Dia. (in.)	To Dia. (in.)	Upper Enlarged Drillhole	Lower Open Bedrock
9	surface	290	
6	290	300	

1. Rotary - Mud Circulation
 2. Rotary - Air
 3. Rotary - Air and Foam
 4. Drill-Through Casing Hammer
 5. Reverse Rotary
 6. Cable-tool Bit in. dia.
 7. Temp. Outer Casing in. dia. Removed? depth ft. Yes No - If no, explain on back side.
 8. Dual Rotary

8. Geology Type, Caving/Noncaving, Color, Hardness, etc.

Geology Codes	From (ft.)	To (ft.)
X - Sand & Clay	0	8
G - Gravel/Cobbles/Boulders/Stones	8	20
C - Clay	20	50
X G - Sand & Clay, w/Gravel/Cobbles/Boulders/St	50	80
P - Hardpan	80	131
L - Limestone/Dolomite	131	135
F L - Fractured, Limestone/Dolomite	135	137
L - Limestone/Dolomite	137	300

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification	From (ft.)	To (ft.)
6	new pln end blk steel welded	surface	290
	18.97 .280 A53 Exltube		

7. Grout or Other Sealing Material

Method	Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
Bradenhead	Neat cement grout	surface	290	70

9. Static Water Level

ft. above ground surface

20 ft. below ground surface

11. Well Is: Above Grade Below

12 in.

10. Pump Test

Pumping level 60 ft. below surface

Pumping at 30 GPM for 1 Hrs.

Developed? Yes No

Disinfected? Yes No

Capped? Yes No

12. Did you permanently abandon and fill all unused, noncomplying or unsafe wells on this property? Yes No If no, explain on reverse.

13. Signature of Well Constructor or Supervisory Driller **tv** Date Signed **10/23/2014**

Print Name of Drill Rig Operator (Mandatory unless same as above) **kv** Date **10/23/2014**

Make additional comments on reverse side about geology, additional screens, water quality, etc. Comments on reverse side (CHECK , IF YES) Variance Issued Yes No Notification # **52774192**

Property Owner **Dennis & Karen Vogel** Telephone Number ()
 Mailing Address **3515 Hecker Road**
 City **Manitowoc** State **WI** Zip Code **54220-**
 County of Well Location **MANITOWOC** Co. Well Permit No. **W** Well Completion Date (mm-dd-yyyy) **9/ - 2/ - 014**

1. Well Location
 Town City Village Fire # (If avail.)
 of **Newton**
 Street Address or Road Name and Number
3515 Hecker Road
 Subdivision Name Lot # Block #

Well Constructor (Business Name) **Ground Source** License # **4462** Facility ID Number (Public Wells)
 Address **3671 Monroe Road** Well Plan Approval #
 City **De Pere** State **WI** Zip Code **54115-** Date of Approval (mm/dd/yyyy)
 Hicap Permanent Well # Common Well # Specific Capacity **gpm/ft**

Gov't Lot # or **NW** 1/4 of **SE** 1/4 of Section **2**, T **18** N; R **23** E W
 Latitude Deg. Min. Longitude Deg. Min.
 2. Well Type New Reconstruction Lat/Long Method
 Replacement Reconstruction
 (see item 12 below)
 of previous unique well # constructed in
 Reason for replaced or reconstructed well?
contamination

3. Well serves **1** # of home
 (For example: home, barn, restaurant, church, school, industry, etc.)
 High Capacity: Well? Yes No Property? Yes No

Drilled Driven Point Jetted Other

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Yes No
 Well located within 1,200 feet of a quarry? Yes No If yes, distance in feet from quarry: _____
 Well located in floodplain? Yes No If no, explain on back side.

- Distance in feet from well to nearest: (include proposed)
- | | | |
|--|--|---|
| 1. Landfill | 10. Privy | 17. Wastewater Sump |
| 38 2. Building Overhang | 11. Foundation Drain to Clearwater | 18. Paved Animal Barn Pen |
| 60 3. Septic <input type="checkbox"/> Holding Tank <input checked="" type="checkbox"/> | 12. Foundation Drain to Sewer | 19. Animal Yard or Shelter |
| 90 4. Sewage Absorption Unit | 13. Building Drain <input type="checkbox"/> Cast Iron or Plastic <input type="checkbox"/> Other | 20. Silo |
| 5. Nonconforming Pit | 14. Building Sewer <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure <input type="checkbox"/> Cast Iron or Plastic <input type="checkbox"/> Other | 21. Barn Gutter |
| 6. Buried Home Heating Oil Tank | 15. Collector Sewer: <input type="checkbox"/> sanitary units in. diam. | 22. Manure Pipe <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure <input type="checkbox"/> Cast Iron or Plastic <input type="checkbox"/> Other |
| 7. Buried Petroleum Tank | <input type="checkbox"/> storm <input type="checkbox"/> ≤ 6" <input type="checkbox"/> > 6" | 23. Other Manure Storage |
| 8. Shoreline <input type="checkbox"/> Swimming Pool <input type="checkbox"/> | 16. Clearwater Sump | 24. Ditch |
| 9. Downspout/Yard Hydrant | | 25. Other NR 812 Waste Source |

5. Drillhole Dimensions and Construction Method

From Dia. (in.)	To Dia. (in.)	Upper Enlarged Drillhole	Lower Open Bedrock
9	surface	277	
6	277	300	

1. Rotary - Mud Circulation
 2. Rotary - Air
 3. Rotary - Air and Foam
 4. Drill-Through Casing Hammer
 5. Reverse Rotary
 6. Cable-tool Bit in. dia.
 7. Temp. Outer Casing in. dia. Removed? depth ft. Yes No - If no, explain on back side.
 8. Dual Rotary

8. Geology Type, Caving/Noncaving, Color, Hardness, etc.

Geology Codes	Description	From (ft.)	To (ft.)
- Y -	Sand & Gravel	0	12
- Q Z S	Caving, Clay & Gravel, Sandy	12	60
- Z -	Clay & Gravel	60	100
- C -	Clay	100	110
- F L -	Fractured, Limestone/Dolomite	110	113
- H L -	Hard/Firm, Limestone/Dolomite	113	170
- T F L -	Tan/Brown, Fractured, Limestone/Dolomite	170	205
- H L -	Hard/Firm, Limestone/Dolomite	205	300

6. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Manufacturer & Method of Assembly	From (ft.)	To (ft.)
6	new pln end blk steel welded	surface	277
	18.97 .280 A53 Exltube		

7. Grout or Other Sealing Material Method **Bradenhead**

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
Neat cement grout	surface	277	70

9. Static Water Level

_____ ft. above ground surface
16 ft. below ground surface

10. Pump Test

Pumping level **80** ft. below surface
 Pumping at **30** GPM for **1** Hrs.

11. Well Is:
24 in. Above Grade Below
 Developed? Yes No
 Disinfected? Yes No
 Capped? Yes No

12. Did you permanently abandon and fill all unused, noncomplying or unsafe wells on this property?
 Yes No If no, explain on reverse.

13. Signature of Well Constructor or Supervisory Driller **tv** Date Signed **10/23/2014**
 Print Name of Drill Rig Operator (Mandatory unless same as above) Date **kv** **10/23/2014**

Make additional comments on reverse side about geology, additional screens, water quality, etc.
 Comments on reverse side (CHECK ✓, IF YES) Variance Issued Yes No Notification # **52774255**

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County MANITOWOC		MI Unique Well # of Removed Well	Map #	Facility Name COM1		Facility ID (FID or PWS)	
Latitude / Longitude (Degrees and Minutes) 44 ° 3.328 ' N 87 ° 42.652 ' W		Method Code (see instructions) GPS006		License/Permit/Monitoring #			
1/4 SW or Gov't Lot #	1/4 SE	Section 2	Township 18 N	Range 23	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner	
Well Street Address 3609 Hecker Road				Present Well Owner City of Manitowoc			
Well City, Village or Town Newton				Mailing Address of Present Owner 3609 Hecker Road			
Subdivision Name				City of Present Owner Manitowoc		State WI	ZIP Code 54220-

Reason For Removal From Service contamination

MI Unique Well # of Replacement Well
YK856

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material				
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)	Pump and piping removed?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole		Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Construction Type:		Casing left in place?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	<input type="checkbox"/> Dug	Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Formation Type:		Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	
<input type="checkbox"/> Unconsolidated Formation	<input checked="" type="checkbox"/> Bedrock	If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Total Well Depth From Ground Surface (ft.) 69	Casing Diameter (in.) 6	If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) 6	Casing Depth (ft.)	Required Method of Placing Sealing Material				
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Depth to Water (feet) 18	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped				
If yes, to what depth (feet)?		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____				

5. Material Used To Fill Well / Drillhole			Sealing Materials		
Bentonite Chips	From (ft.) Surface	To (ft.) 69	Sacks Sealant 20	<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
				<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry
				<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
				For Monitoring Wells and Monitoring Well Boreholes Only:	
				<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
				<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Ground Source		License # 4462	Date of Filling & Sealing (mm/dd/yyyy) 10/15/2014	Date Received	Noted By
Street or Route 3671 Monroe Road			Telephone Number (920) 336-3659	Comments	
City De Pere	State WI	ZIP Code 54115-	Signature of Person Doing Work BP	Date Signed 10/23/2014	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County MANITOWOC	WI Unique Well # of Removed Well _____	Hi-cap # _____	Facility Name COM1
Latitude / Longitude (Degrees and Minutes) 44 ° 3.419 ' N		Method Code (see instructions) GPS006	Facility ID (FID or PWS) _____
87 ° 42.655 ' W			License/Permit/Monitoring # _____
1/4 NW 1/4 SE	Section 2	Township 18 N	Range 23 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
or Gov't Lot #			
Well Street Address 3515 Hecker Road			Original Well Owner _____
Well City, Village or Town Newton			Present Well Owner City of Manitowoc
Well ZIP Code 54220-			Mailing Address of Present Owner 3515 Hecker Road
Subdivision Name			City of Present Owner Manitowoc
Lot #			State WI
			ZIP Code 54220-

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service Contamination	WI Unique Well # of Replacement Well YK855	Pump and piping removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3. Well / Drillhole / Borehole Information		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) _____	Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Water Well	If a Well Construction Report is available, please attach. _____	Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type:		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Dug	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type:		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Unconsolidated Formation	<input checked="" type="checkbox"/> Bedrock	Required Method of Placing Sealing Material
Total Well Depth From Ground Surface (ft.) 49	Casing Diameter (in.) 6	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped
Lower Drillhole Diameter (in.) 6	Casing Depth (ft.) _____	<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Depth to Water (feet) 15	Sealing Materials
If yes, to what depth (feet)? _____		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry * * *
		<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips
		For Monitoring Wells and Monitoring Well Boreholes Only:
		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry

6. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Sacks Sealant
Bentonite Chips	Surface	49	14

6. Comments

7. Supervision of Work				DNR: Use Only	
Name of Person or Firm Doing Filling & Sealing Ground Source	License # 4462	Date of Filling & Sealing (mm/dd/yyyy) 10/15/2014	Date Received	Noted By	
Street or Route 3671 Monroe Road	Telephone Number (920) 336-3659		Comments		
City De Pere	State WI	ZIP Code 54115-	Signature of Person Doing Work BP	Date Signed 10/23/2014	

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Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County MANITOWOC	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name COM1
Latitude / Longitude (Degrees and Minutes) 44 ° 3.724 ' N	Method Code (see instructions) GPS006	Facility ID (FID or PWS) _____	License/Permit/Monitoring # _____
87 ° 42.035 ' W	Section 1	Township 18 N	Range 23
Original Well Owner _____	Present Well Owner City of Manitowoc	Mailing Address of Present Owner 3023 Hwy CR	
Well Street Address 3023 Hwy CR	Well City, Village or Town Newton	Well ZIP Code 54220-	City of Present Owner Manitowoc
Subdivision Name _____	Lot # _____	State WI	ZIP Code 54220-

Reason For Removal From Service
contamination

WI Unique Well # of Replacement Well
YK874

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) _____	Pump and piping removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Water Well	If a Well Construction Report is available, please attach. _____	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type: <input type="checkbox"/> Unconsolidated Formation <input checked="" type="checkbox"/> Bedrock		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 140	Casing Diameter (in.) 4	Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 4	Casing Depth (ft.) _____	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Depth to Water (feet) 7	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
		Required Method of Placing Sealing Material
		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped
		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
		Sealing Materials
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "
		<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips
		For Monitoring Wells and Monitoring Well Boreholes Only:
		<input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Sacks Sealant
Bentonite Chips	Surface	140	17

6. Comments

7. Supervision of Work				DNR-Use Only	
Name of Person or Firm Doing Filling & Sealing Ground Source	License # 4462	Date of Filling & Sealing (mm/dd/yyyy) 10/15/2014	Date Received	Noted By	
Street or Route 3671 Monroe Road	Telephone Number (920) 336-3659	Comments			
City De Pere	State WI	ZIP Code 54115-	Signature of Person Doing Work BP	Date Signed 10/23/2014	

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Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information			2. Facility / Owner Information		
County MANITOWOC	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name COM1		
Latitude / Longitude (Degrees and Minutes) 44 ° 3.658 ' N		Method Code (see instructions) GPS006	Facility ID (FID or PWS) _____		
87 ° 42.176 ' W			License/Permit/Monitoring # _____		
1/4 SE	1/4 NE	Section 2	Township 18 N	Range 23	Original Well Owner _____
or Gov't Lot #				<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Present Well Owner City of Manitowoc
Well Street Address 3120 Hwy CR			Mailing Address of Present Owner 3120 Hwy CR		
Well City, Village or Town Newton		Well ZIP Code 54220-			
Subdivision Name		Lot #		City of Present Owner Manitowoc	State WI
				ZIP Code 54220-	

Reason For Removal From Service
contamination

WI Unique Well # of Replacement Well
YK875

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material	
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)	Pump and piping removed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Dug	Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type:		Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Unconsolidated Formation	<input checked="" type="checkbox"/> Bedrock	If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 51	Casing Diameter (in.) 6	If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 6	Casing Depth (ft.)	Required Method of Placing Sealing Material	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Depth to Water (feet) 8	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	

Sealing Materials		For Monitoring Wells and Monitoring Well Boreholes Only:	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry	<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips		

6. Material Used To Fill Well / Drillhole		From (ft.)	To (ft.)	Sacks Sealant
Bentonite Chips		Surface	51	14

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Ground Source	License # 4461	Date of Filling & Sealing (mm/dd/yyyy) 10/21/2014	Date Received	Noted By
Street or Route 3671 Monroe Road		Telephone Number (920) 336-3659	Comments	
City De Pere	State WI	ZIP Code 54115-	Signature of Person Doing Work BP	Date Signed 10/23/2014

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County MANITOWOC		WI Unique Well # of Removed Well _____		Hicap # _____		Facility Name COM1	
Latitude / Longitude (Degrees and Minutes) 44 ° 3.486 ' N 87 ° 41.916 ' W				Method Code (see instructions) GPS006			
Facility ID (FID or PWS) _____		License/Permit/Monitoring # _____		Original Well Owner _____		Present Well Owner City of Manitowoc	
Well Street Address 3402 Hwy CR		Well City, Village or Town Newton		Well ZIP Code 54220-		Mailing Address of Present Owner 3403 Hwy CR	
Subdivision Name _____		Lot # _____		City of Present Owner Manitowoc		State WI	
Reason For Removal From Service Unused-not to code		WI Unique Well # of Replacement Well YK881		ZIP Code 54220-		City of Present Owner Manitowoc	

3. Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input type="checkbox"/> Monitoring Well <input checked="" type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) _____		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type:		If a Well Construction Report is available, please attach. _____		<input type="checkbox"/> Orilled <input type="checkbox"/> Driven (Sandpoint) <input checked="" type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Formation Type:		Required Method of Placing Sealing Material		<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips	

Total Well Depth From Ground Surface (ft.) 22		Casing Diameter (in.) 36		Sealing Materials	
Lower Drillhole Diameter (in.) _____		Casing Depth (ft.) _____		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet) 7		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole			From (ft.)	To (ft.)	Cubic Feet
Sandy Clay Native Soils			Surface	22	400

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Ground Source		License # 4462	Date of Filling & Sealing (mm/dd/yyyy) 10/23/2014	Date Received	Noted By
Street or Route 3671 Monroe Road		Telephone Number (920) 336-3659		Comments	
City DePere	State WI	ZIP Code 54115-	Signature of Person Doing Work LC	Date Signed 10/23/2014	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County MANITOWOC	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name COM1
Latitude / Longitude (Degrees and Minutes) 44 ° 3.489 ' N		Method Code (see instructions) GPS006	Facility ID (FID or PWS) _____
87 ° 41.916 ' W		_____	License/Permit/Monitoring # _____
1/4 NW or Gov't Lot #	1/4 SW	Section 1	Original Well Owner _____
		Township 18 N	Present Well Owner City of Manitowoc
		Range 23	Mailing Address of Present Owner 3403 Hwy CR
Well Street Address 3403 Hwy CR		Well ZIP Code _____	City of Present Owner Manitowoc
Well City, Village or Town Newton		State WI	ZIP Code 54220-
Subdivision Name _____		Lot # _____	

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service contaminated	WI Unique Well # of Replacement Well YK881	Pump and piping removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3. Well / Drillhole / Borehole Information		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) _____	Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Water Well	If a Well Construction Report is available, please attach. _____	Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type:		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type:		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Required Method of Placing Sealing Material
Total Well Depth From Ground Surface (ft.) 36	Casing Diameter (in.) 4	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped
Lower Drillhole Diameter (in.) 4	Casing Depth (ft.) 4	<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Depth to Water (feet) 8	Sealing Materials
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "
		<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips
		For Monitoring Wells and Monitoring Well Boreholes Only:
		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Sacks Sealant
Bentonite Chips	Surface	36	5

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing ground source	License # 4462	Date of Filling & Sealing (mm/dd/yyyy) 10/20/2014	Date Received	Noted By	
Street or Route 3671 Monroe Road		Telephone Number (920) 336-3659	Comments		
City De Pere	State WI	ZIP Code 54115-	Signature of Person Doing Work BP	Date Signed 10/23/2014	

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

Well 6

RECEIVED

1. County Manitowish Town Newton
 Village City Check one and give name

2. Location So. 35th + Union [T18N R23E] JUN 18 1962
 Name of street and number of premise or Section, Town and Range numbers

3. Owner or Agent John Hruby
 Name of individual, partnership or firm

4. Mail Address Rt 1 Manitowish
 Complete address required

5. From well to nearest: Building 12 ft; sewer 25 ft; drain 12 ft; septic tank — ft;
 dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: Home

SANITARY ENGINEERING

M.E. & N.W. & 8.1 T18 R23

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	166			

8. CASING AND LINER PIPE OR CURBING:

Dia (in)	Kind and Weight	From (ft.)	To (ft.)
60	Steel 23#	0	158

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cutting	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.
 Depth from surface to water-level: 20 ft.
 Water-level when pumping: 30 ft.
 Water sample was sent to the state laboratory at:
Madison on 6/11 1962
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Bran Sand	0	40
Sandy Clay	40	158
Lime	158	166

Construction of the well was completed on:
6/7 1962

The well is terminated 8 inches
 above, below the permanent ground surface.

Was the well disinfected upon completion?
 Yes No

Was the well sealed watertight upon completion?
 Yes No

Signature Al Anderson Registered Driller Walden, Wis. Complete Mail Address

Rec'd. No. 19450

Ans'd _____

Interpretation SAFE - BACTERIOLOGICALLY

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____

48 hrs. _____

Confirm _____

B. Coli 0

Examiner _____



plut

**Well Construction Report For
WISCONSIN UNIQUE WELL NUMBER DE552**

State of WI - Private Water Systems - DG/2
Department of Natural Resources, Box 7921
Madison, WI 53707
Form 3300-77A
(R 8/00)

Property Owner **MARVIN KRAEMER** Telephone **414-682-6300**
Mailing Address **2804 CTY TRK CR**
City **MANITOWOC** State **WI** Zip Code **54220**
County of Well Location **Manitowoc** County Well Permit No. **W** Well Completion Date **11/01/1990**

Please type or Print using a black Pen
Please Use Decimals Instead of Fractions.

1. Well Location
 Town City Village
of **NEWTON**
Fire # (if available)
Grid or Street Address or Road Name and Number
Subdivision Name Lot # Block #

Well Constructor (Business Name) **WEBER ROGER** License # **99** Facility ID Number (Public Wells)
Address **W2691 ST CHARLES RD** Public Well Plan Approval #
City **CHILTON** State **WI** Zip Code **53014** Date of Approval (mm/dd/yyyy)
Hicap Permanent well # Common Well # Specific Capacity **2.2** gpm/ft

Gov't Lot # or **SE** 1/4 of **SE** 1/4 of
Section **34** T **18** N; R **23** E W
Latitude Deg. Min. Longitude Deg. Min.
2. Well Type New Replacement Reconstruction Lat/Long Method **GPS008**
of previous unique well # constructed in Reason for replaced or Reconstructed Well?
NEW HOME

3. Well serves **1** # of homes and/or (e.g. barn, restaurant, church, school, industry, etc.)
High capacity Well? Yes No
Property? Yes No

Drilled Driven Point Jetted Other:

4. Is the well located upslope or sideslope and not downslope from any contamination source, including those on neighboring properties? Yes No
Well located within 1,200 feet of a quarry? Yes No If yes, distance in feet from quarry:
Well located in floodplain? Yes No
Distance in Feet from Well to Nearest:
1. Landfill **30**
2. Building Overhang **35**
3. Septic Holding Tank
4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. Shoreline Swimming Pool
29. Downspout/Yard Hydrant
10. Privy
11. Foundation Drain to Clearwater
12. Foundation Drain to Sewer
13. Building Drain
 Cast Iron or Plastic Other
31. Building Sewer Gravity Pressure
 Cast Iron or Plastic Other
15. Collector or Street Sewer:
 Sanitary units in. diam.
 Storm =< 6 > 6
40. 16. Clearwater Sump

17. Wastewater Sump
18. Paved Animal Barn Pen
19. Animal Yard or Shelter
20. Silo
21. Barn Gutter
22. Manure Pipe Gravity Pressure
 Cast Iron or Plastic Other
23. Other Manure Storage
24. Ditch
25. Other NR 812 Waste Storage

5. Drillhole Dimensions and Construction Method		From		To		Upper		Lower	
Dia. (in.)	(ft.)	(ft.)	(ft.)	Enlarged Drillhole		Open Bedrock			
10	0	14		<input type="checkbox"/> ---1. Rotary - Mud Circulation-----	<input type="checkbox"/>				
				<input checked="" type="checkbox"/> ---2. Rotary - Air-----	<input type="checkbox"/>				
6	14	139		<input type="checkbox"/> ---3. Rotary - Air and Foam-----	<input type="checkbox"/>				
				<input type="checkbox"/> ---4. Drill-Through Casing Hammer	<input type="checkbox"/>				
				<input type="checkbox"/> ---5. Reverse Rotary	<input type="checkbox"/>				
				<input type="checkbox"/> ---6. Cable-tool Bit in. dia-----	<input type="checkbox"/>				
				<input type="checkbox"/> 7. Dual Rotary	<input type="checkbox"/>				
				<input type="checkbox"/> 8. Temp. Outer Casing in. dia. depth (ft)	<input type="checkbox"/>				
				Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No					
				If no, why not?					

8. Geology		From	To
Type, Caving/Noncaving, Color, Hardness, etc		(ft.)	(ft.)
--I- TOP SOIL		0	2
R-C- RED CLAY		2	14
-XSC SAND @ CLAY LAYERS		14	120
U-C- BLUE CLAY		120	137
-WG- WATER BEARING GRAVEL		137	139

6. Casing, Liner, Screen		Material, Weight, Specification		From	To
Dia. (in.)				(ft.)	(ft.)
	6 BLACK STAND. STEEL PIPE-NEW-18.97#/FT. P.E.SEAMLESS LTV STEEL ASTM-A-53 GR. B			0	139
Dia. (in.)	Screen type, material & slot size				

9. Static Water Level
4 ft. above ground surface
ft. below ground surface

10. Pump Test
Pumping Level **5** ft. below surface
Pumping at **20** GPM for **2** hours

11. Well is: Above Grade
24 in. Below Grade
Developed? Yes No
Disinfected? Yes No
Capped? Yes No

7. Grout or Other Sealing Material. Method:		From	To	# Sacks
Method:	Kind of Sealing Material	(ft.)	(ft.)	Cement
	PUDDLED CLAY	0	14	

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property?
 Yes No If no, explain:

13. Signature of the Well Constructor or Supervisory Driller **RW** Date signed **11/01/1990**
Signature of Drill Rig Operator (Mandatory unless same as above) **FF** Date signed **11/01/1990**

Make additional comments on reverse side about geology, additional screens, water quality, etc.

Variance issued Yes No

NOV - 8 1972

WELL CONSTRUCTOR'S REPORT
FORM 3300-15

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

NOTE
WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

1. COUNTY Manitowish CHECK ONE Town Village City NAME Newton

2. LOCATION - 1/4 Section 1 Section 1 Township 18N Range 23E 3. OWNER AT TIME OF DRILLING Siegfried & Tittel

OR - Grid or street no VTC, N.W. Street name 3701 Wisconsin St. ADDRESS

AND - If available subdivision name, lot & block no. POST OFFICE Manitowish Wis.

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SEWER TILE	FLOOR DRAIN C. I.	TILE	FOUNDATION DRAIN SEWER CONNECTED	INDEPENDENT	WASTE WATER DRAIN C. I.	TILE
10	-	-	18	-	-	-	-	-

CLEAR WATER DRAIN C. I.	TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILLO	ABANDONED WELL	SINK HOLE
-	-	85	-	-	90	75	125	-	-

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc)

5. Well is intended to supply water for: home use

6. DRILLHOLE

Dia (in.)	From (ft.)	To (ft.)	Dia (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	147

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	128
hard pan	128	143
limestone	143	147

7. CASING, LINER, CURBING, AND SCREEN

Dia (in.)	Kind and Weight	From (ft.)	To (ft.)
6	steel std. 19-45 new black T&C	Surface	143



8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
drill slurry	Surface	20

10. TYPE OF DRILLING MACHINE USED

Cable Tool Direct Rotary Reverse Rotary

Rotary - air w/drilling mud Rotary - hammer with drilling mud & air Jetting with Air Water

Well construction completed on Nov 1 1972

11. MISCELLANEOUS DATA

Yield test: 2 3/4 Hrs. at 18 GPM

Well is terminated 12 inches above below final grade

Depth from surface to normal water level 38 ft. Well disinfected upon completion Yes No

Depth to water level when pumping 44 ft. Well sealed watertight upon completion Yes No

Water sample sent to Madison laboratory on: Nov 7 - 1972

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE Joseph Rebae Registered Well Driller COMPLETE MAIL ADDRESS 4217 Concord St. Manitowish Wis.

Please do not write in space below

COLIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

1. County Manitowac } Town Newton
 Village
 City Check one and give name

2. Location SI-T18 NR 23 E
 Name of street and number of premise or Section, Town and Range numbers

3. Owner or Agent Gerald R Fitzgerald
 Name of individual, partnership or firm

4. Mail Address 3817 Vebahn St
 Complete address required

5. From well to nearest: Building 12 ft; sewer 28 ft; drain 60 ft; septic tank 32 ft;
 dry well or filter bed 124 ft; abandoned well 129 ft.

6. Well is intended to supply water for: House Trailers

RECEIVED
 JUN 3 1964
 SANITARY
 ENGINEERING

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	0	129

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel Std.	0	129

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle Clay	0	20

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 15 GPM.
 Depth from surface to water-level: 28 ft.
 Water-level when pumping: 35 ft.
 Water sample was sent to the state laboratory at:
will be send in
week of on Jan 4 1965
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	127
Gravel	127	129

Construction of the well was completed on:
June 1964

The well is terminated 8 inches
 above, below the permanent ground surface.


Was the well disinfected upon completion?
 Yes No

Was the well sealed watertight upon completion?
 Yes No

Signature Joseph Behme Registered Well Driller
 Complete Mail Address 4217 Course St. Manitowac Wis.

Please do not write in space below

Rec'd _____ No. _____
 Ans'd _____
 Interpretation _____


 M N 2 2 9 8

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____
 48 hrs. _____
 Confirm _____
 B. Coli _____
 Examiner _____

**Well Construction Report For
WISCONSIN UNIQUE WELL NUMBER TL919**

State of WI - Private Water Systems - DG/2
Department of Natural Resources, Box 7921
Madison, WI 53707
Form 3300-77A
(R 8/00)

Property Owner **JOHNSON, ERIC** Telephone **920-901-3464**
Number

Please type or Print using a black Pen
Please Use Decimals Instead of Fractions.

Mailing Address **3902 SILVER CREEK RD**

1. Well Location
 Town City Village
Fire # (if available)

City **MANITOWOC** State **WI** Zip Code **54220**

of **NEWTON**
Grid or Street Address or Road Name and Number
3902 SILVER CREEK RD

County of Well Location **Manitowoc** County Well Permit No. **W** Well Completion Date **08/09/2006**

Subdivision Name Lot # Block #

Well Constructor (Business Name) **RETZLAFF WELL DRILLING INC** License # **86** Facility ID Number (Public Wells)

Gov't Lot # or **SE** 1/4 of **SW** 1/4 of
Section **1** T **18** N; R **23** E W

Address **PO BOX 81** Public Well Plan Approval #
W--

Latitude Deg. Min. Longitude Deg. Min.

City **LUXEMBURG** State **WI** Zip Code **54217-0081** Date of Approval (mm/dd/yyyy)

2. Well Type New Replacement Reconstruction Lat/Long Method

Hicap Permanent well # Common Well # Specific Capacity **1.2** gpm/ft

of previous unique well # constructed in Reason for replaced or Reconstructed Well?

3. Well serves **1** # of homes and/or (e.g. barn, restaurant, church, school, industry, etc.) High capacity Well? Yes No Property? Yes No

Drilled Driven Point Jetted Other:

4. Is the well located upslope or sideslope and not downslope from any contamination source, including those on neighboring properties? Yes No

Well located within 1,200 feet of a quarry? Yes No If yes, distance in feet from quarry:

Well located in floodplain? Yes No

Distance in Feet from Well to Nearest:

- 1. Landfill
- 20 2. Building Overhang
- 80 3. Septic Holding Tank
- 90 4. Sewage Absorption Unit
- 5. Nonconforming Pit
- 6. Buried Home Heating Oil Tank
- 7. Buried Petroleum Tank

- 9. Downspout/Yard Hydrant
- 10. Privy
- 11. Foundation Drain to Clearwater
- 12. Foundation Drain to Sewer
- 13. Building Drain
 Cast Iron or Plastic Other
- 14. Building Sewer Gravity Pressure
 Cast Iron or Plastic Other
- 15. Collector or Street Sewer:
 Sanitary units in. diam.
 Storm =< 6 > 6
- 20 16. Clearwater Sump

- 17. Wastewater Sump
- 18. Paved Animal Barn Pen
- 19. Animal Yard or Shelter
- 20. Silo
- 21. Barn Gutter
- 22. Manure Pipe Gravity Pressure
 Cast Iron or Plastic Other
- 23. Other Manure Storage
- 24. Ditch

25. Other NR 812 Waste Storage

5. Drillhole Dimensions and Construction Method		Upper Enlarged Drillhole		Lower Open Bedrock	
Dia. (in.)	From (ft.)	To (ft.)			
8.75	0	160	<input checked="" type="checkbox"/> ---1. Rotary - Mud Circulation-----	<input type="checkbox"/>	
			<input type="checkbox"/> ---2. Rotary - Air-----	<input checked="" type="checkbox"/>	
6	160	180	<input type="checkbox"/> ---3. Rotary - Air and Foam-----	<input type="checkbox"/>	
			<input type="checkbox"/> ---4. Drill-Through Casing Hammer		
			<input type="checkbox"/> ---5. Reverse Rotary		
			<input type="checkbox"/> ---6. Cable-tool Bit in. dia-----	<input type="checkbox"/>	
			<input type="checkbox"/> 7. Dual Rotary	<input type="checkbox"/>	
			<input type="checkbox"/> 8. Temp. Outer Casing in. dia. depth (ft)		
			Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No		
			If no, why not?		

8. Geology	From (ft.)	To (ft.)
--CS SANDY CLAY	0	100
--G- GRAVEL	100	140
--CG CLAY & STONES	140	160
--L- LIMESTONE	160	180

6. Casing, Liner, Screen Material, Weight, Specification From To
Dia. (in.) (ft.) (ft.)

**6 WHEATLAND STEELPE 18.97 PER FT
BLACK NEW ASTM A53B MADE IN USA** 0 160

Dia. (in.) Screen type, material & slot size

9. Static Water Level ft. above ground surface
36 ft. below ground surface

11. Well is: Above Grade
18 in. Below Grade

Developed? Yes No
Disinfected? Yes No
Capped? Yes No

10. Pump Test
Pumping Level **70** ft. below surface
Pumping at **40** GPM for **1** hours

7. Grout or Other Sealing Material. Method: From To # Sacks
Kind of Sealing Material (ft.) (ft.) Cement

CLAY SLURRY 0 160

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property?
 Yes No If no, explain:

13. Signature of the Well Constructor or Supervisory Driller **JR** Date signed **08/10/2006**

Signature of Drill Rig Operator (Mandatory unless same as above) Date signed

WELL CONSTRUCTOR'S REPORT

WISCONSIN STATE BOARD OF HEALTH

1. COUNTY Manitowish CHECK ONE Town Village City NAME Newton

2. LOCATION (Number and Street or 1/4 section, section, township and range. Also give subdivision name, lot and block number, when available) T18 NR 23 E S1

3. OWNER AT TIME OF DRILLING Sylvester Bay 4025 Viebahn

4. OWNER'S COMPLETE MAIL ADDRESS Rt#1 Manitowish Wis



5. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	TILE	FLOOR DRAIN C I	TILE	FOUNDATION DRAIN SEWER CONNECTED	INDEPENDENT	WASTE WATER DRAIN C. I.	TILE
	15	25	-	25	-	X	40	-

CLEAR WATER DRAIN C. I.	TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
-	75	95	-	-	85	-	-	-	-

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: Home use

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	138

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	102
Shale	102	134
Limestone	134	138

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel std.	Surface	134

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drill slurry	Surface	20

Well construction completed on Nov. 21. 1966

11. MISCELLANEOUS DATA

Yield test: 3 Hrs. at 20 GPM

Depth from surface to normal water level 26 ft.

Depth to water level when pumping 28 ft.

Well is terminated 10 inches above below final grade

Well disinfected upon completion Yes No

Well sealed watertight upon completion Yes No

Water sample sent to Madison Nov. 22 laboratory on: 1966

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumphoms, access pits, etc., should be given on reverse side.

SIGNATURE Joseph E. Reine Registered Well Driller COMPLETE MAIL ADDRESS 4217 Conroe St. Manitowish Wis

Please do not write in space below

COLJ	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS

NOV - 8 1972

WELL CONSTRUCTOR'S REPORT
FORM 3300-15

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

NOTE
WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

1. COUNTY Manitowish CHECK ONE Town Village City NAME Newton

2. LOCATION - 1/4 Section 1 Section 1 Township 18N Range 23E 3. OWNER AT TIME OF DRILLING Siegfried & Tittel

OR - Grid or street no VTC, N.W. Street name 3701 Wisconsin St. ADDRESS

AND - If available subdivision name, lot & block no. POST OFFICE Manitowish Wis.

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SEWER TILE	FLOOR DRAIN C. I.	TILE	FOUNDATION DRAIN SEWER CONNECTED	INDEPENDENT	WASTE WATER DRAIN C. I.	TILE
10	-	-	18	-	-	-	-	-

CLEAR WATER DRAIN C. I.	TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILLO	ABANDONED WELL	SINK HOLE
-	-	85	-	-	90	75	125	-	-

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc)

5. Well is intended to supply water for: home use

6. DRILLHOLE

Dia (in.)	From (ft.)	To (ft.)	Dia (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	147

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	128
hard pan	128	143
limestone	143	147

7. CASING, LINER, CURBING, AND SCREEN

Dia (in.)	Kind and Weight	From (ft.)	To (ft.)
6	stl. std. 19-45 new black T&C	Surface	143



8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
drill slurry	Surface	20

10. TYPE OF DRILLING MACHINE USED

Cable Tool Direct Rotary Reverse Rotary

Rotary - air w/drilling mud Rotary - hammer with drilling mud & air Jetting with Air Water

Well construction completed on Nov 1 1972

11. MISCELLANEOUS DATA

Yield test: 2 3/4 Hrs. at 18 GPM

Well is terminated 12 inches above below final grade

Depth from surface to normal water level 38 ft. Well disinfected upon completion Yes No

Depth to water level when pumping 44 ft. Well sealed watertight upon completion Yes No

Water sample sent to Madison laboratory on: Nov 7 - 1972

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE Joseph Rebae Registered Well Driller 4217 Concord St. Manitowish Wis. COMPLETE MAIL ADDRESS

Please do not write in space below

COLIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

1. County Manitowac } Town Newton
 Village
 City Check one and give name

2. Location SI-T18 NR 23 E
 Name of street and number of premise or Section, Town and Range numbers

3. Owner or Agent Gerald R Fitzgerald
 Name of individual, partnership or firm

4. Mail Address 3817 Vebahn St
 Complete address required

5. From well to nearest: Building 12 ft; sewer 28 ft; drain 60 ft; septic tank 32 ft;
 dry well or filter bed 124 ft; abandoned well 129 ft.

6. Well is intended to supply water for: House Trailers

RECEIVED
 JUN 3 1964
 SANITARY
 ENGINEERING

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	0	129

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel Std.	0	129

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle Clay	0	20

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 15 GPM.
 Depth from surface to water-level: 28 ft.
 Water-level when pumping: 35 ft.
 Water sample was sent to the state laboratory at:
will be send in
week of on Jan 4 1965
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	127
Gravel	127	129

Construction of the well was completed on:
June 1964

The well is terminated 8 inches
 above, below the permanent ground surface.


Was the well disinfected upon completion?
 Yes No

Was the well sealed watertight upon completion?
 Yes No

Signature Joseph Behme Registered Well Driller
 Complete Mail Address 4217 Course St. Manitowac Wis.

Please do not write in space below

Rec'd _____ No. _____
 Ans'd _____
 Interpretation _____


 M N 2 2 9 8

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____
 48 hrs. _____
 Confirm _____
 B. Coli _____
 Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

Well 6

RECEIVED

1. County Manitowish Town Newton
 Village City Check one and give name

2. Location So. 35th + Union [T18N R23E] JUN 18 1962
 Name of street and number of premise or Section, Town and Range numbers

3. Owner or Agent John Hruby
 Name of individual, partnership or firm

4. Mail Address Rt 1 Manitowish
 Complete address required

5. From well to nearest: Building 12 ft; sewer 25 ft; drain 12 ft; septic tank — ft;
 dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: Home

SANITARY ENGINEERING

M.E. & N.W. & 8.1 T18 R23

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	166			

8. CASING AND LINER PIPE OR CURBING:

Dia (in)	Kind and Weight	From (ft.)	To (ft.)
60	Steel 23#	0	158

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cutting	0	20

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.
 Depth from surface to water-level: 20 ft.
 Water-level when pumping: 30 ft.
 Water sample was sent to the state laboratory at:
Madison on 6/11 1962
 City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Bran Sand	0	40
Sandy Clay	40	158
Lime	158	166

Construction of the well was completed on:
6/7 1962

The well is terminated 8 inches
 above, below the permanent ground surface.

Was the well disinfected upon completion?
 Yes No

Was the well sealed watertight upon completion?
 Yes No

Signature Al Anderson Registered Driller Walden, Wis. Complete Mail Address

Rec'd. No. 19450

Ans'd _____

Interpretation SAFE - BACTERIOLOGICALLY

10 ml 10 ml 10 ml 10 ml 10 ml

Gas—24 hrs. _____
 48 hrs. _____

Confirm _____

B. Coli 0

Examiner _____



plut

**Well Construction Report For
WISCONSIN UNIQUE WELL NUMBER UG707**

State of WI - Private Water Systems - DG/2
Department of Natural Resources, Box 7921
Madison, WI 53707
Form 3300-77A
(R 8/00)

Property Owner **LINSMEIER, HOWARD** Telephone -- Number
Mailing Address **4027 THUNDER RIDGE RD**
City **MANITOWOC** State **WI** Zip Code **54220**
County of Well Location **Manitowoc** County Well Permit No. **W** Well Completion Date **06/27/2007**

I. Well Location Town City Village
of **NEWTON** Fire # (if available)
Grid or Street Address or Road Name and Number **4027 THUNDER RIDGE RD**
Subdivision Name Lot # Block #

Well Constructor (Business Name) **WILLEMS WELL DRILLING INC** License # **6155** Facility ID Number (Public Wells)
Address **7962 ST PATS CHURCH RD** Public Well Plan Approval #
City **GREENLEAF** State **WI** Zip Code **54126-9611** Date of Approval (mm/dd/yyyy)
Hicap Permanent well # Common Well # Specific Capacity **.6** gpm/ft

Gov't Lot # or SW 1/4 of SW 1/4 of
Section **1** T **18** N; R **23** E W
Latitude Deg. **44** Min. **3.248**
Longitude Deg. **87** Min. **41.965**
2. Well Type New Replacement Reconstruction Lat/Long Method **GPS008**
of previous unique well # constructed in Reason for replaced or Reconstructed Well?

3. Well serves **1** # of homes and/or (e.g. barn, restaurant, church, school, industry, etc.)
High capacity Well? Yes No
Property? Yes No

Drilled Driven Point Jetted Other:

4. Is the well located upslope or sideslope and not downslope from any contamination source, including those on neighboring properties? Yes No
Well located within 1,200 feet of a quarry? Yes No If yes, distance in feet from quarry:
Well located in floodplain? Yes No
Distance in Feet from Well to Nearest:
1. Landfill **35**
2. Building Overhang **90**
3. Septic Holding Tank
4. Sewage Absorption Unit **120**
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. Shoreline Swimming Pool
9. Downspout/Yard Hydrant
10. Privy
11. Foundation Drain to Clearwater
12. Foundation Drain to Sewer
13. Building Drain
 Cast Iron or Plastic Other
14. Building Sewer Gravity Pressure
 Cast Iron or Plastic Other
15. Collector or Street Sewer:
 Sanitary units in. diam.
 Storm =< 6 > 6
16. Clearwater Sump

17. Wastewater Sump
18. Paved Animal Barn Pen
19. Animal Yard or Shelter
20. Silo
21. Barn Gutter
22. Manure Pipe Gravity Pressure
 Cast Iron or Plastic Other
23. Other Manure Storage
24. Ditch
25. Other NR 812 Waste Storage

5. Drillhole Dimensions and Construction Method		Upper Enlarged Drillhole		Lower Open Bedrock	
From (ft.)	To (ft.)	From (ft.)	To (ft.)	From (ft.)	To (ft.)
9	0	181			
6	181	201			

---1. Rotary - Mud Circulation-----
 ---2. Rotary - Air-----
 ---3. Rotary - Air and Foam-----
 ---4. Drill-Through Casing Hammer
 ---5. Reverse Rotary
 ---6. Cable-tool Bit in. dia-----
 7. Dual Rotary
 8. Temp. Outer Casing in. dia. depth (ft)
 Removed? Yes No
 If no, why not?

8. Geology		From (ft.)	To (ft.)
Type	Caving/Noncaving, Color, Hardness, etc		
TSS-	SOFT-SAND (TAN)	0	68
GMG-	MEDIUM-GRAVEL (GRAY)	68	152
THC-	HARD-CLAY (BROWN)	152	173
GMP-	MEDIUM-HARD PAN (GRAY)	173	181
GML-	MEDIUM-LIMESTONE (GRAY)	181	201

6. Casing, Liner, Screen Material, Weight, Specification From (ft.) To (ft.)
Dia. (in.) **6** **ASTM A-53 GR. B IPISO-WELDED JOINT WT. 18.97 PER FT.** **0** **181**
Dia. (in.) Screen type, material & slot size

9. Static Water Level ft. above ground surface Above Grade
20 ft. below ground surface Below Grade
11. Well is: Above Grade **12** in. Below Grade
10. Pump Test Developed? Yes No
Pumping Level **100** ft. below surface Disinfected? Yes No
Pumping at **50** GPM for **4** hours Capped? Yes No

7. Grout or Other Sealing Material. Method: From (ft.) To (ft.) # Sacks Cement
Kind of Sealing Material **DRILLING MUD** **0** **181**

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? Yes No If no, explain:
13. Signature of the Well Constructor or Supervisory Driller **LW** Date signed **07/05/2007**
Signature of Drill Rig Operator (Mandatory unless same as above) **TW** Date signed **07/05/2007**

Make additional comments on reverse side about geology, additional screens, water quality, etc. Variance issued Yes No

Attachment B:

Laboratory Reports

Synergy Environmental Lab, INC.

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

DAVE HENDERSON
AECOM
1555 N RIVER CENTER DRIVE
MILWAUKEE, WI 53212

Report Date 03-Oct-14

Project Name FMR NEWTON GRAVEL PIT
Project #

Invoice # E27809

Lab Code 5027809A
Sample ID 3515 HECKER RD
Sample Matrix Water
Sample Date 9/29/2014

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

Project Name FMR NEWTON GRAVEL PIT
Project #

Invoice # E27809

Lab Code 5027809A
Sample ID 3515 HECKER RD
Sample Matrix Water
Sample Date 9/29/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/2/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/2/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/2/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/2/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/2/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/2/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/2/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/2/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/2/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/2/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/2/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/2/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/2/2014	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		10/2/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	110	REC %			1	8260B		10/2/2014	CJR	1
SUR - 4-Bromofluorobenzene	112	REC %			1	8260B		10/2/2014	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		10/2/2014	CJR	1

Lab Code 5027809B
 Sample ID 3609 HECKER RD
 Sample Matrix Water
 Sample Date 9/29/2014

	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		10/2/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/2/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/2/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/2/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/2/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/2/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/2/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/2/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/2/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/2/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/2/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/2/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/2/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/2/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/2/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/2/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/2/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/2/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/2/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/2/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/2/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/2/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/2/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/2/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/2/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/2/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/2/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/2/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/2/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/2/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/2/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/2/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/2/2014	CJR	2
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/2/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/2/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/2/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/2/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/2/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/2/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/2/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/2/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/2/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/2/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/2/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/2/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/2/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/2/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		10/2/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		10/2/2014	CJR	1
SUR - 4-Bromofluorobenzene	110	REC %			1	8260B		10/2/2014	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		10/2/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 2 Relative percent difference failed for laboratory spiked samples.

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



A handwritten signature in blue ink, appearing to read "Michael Steel", written over a horizontal line.

Client Information

Company: Town of Newton Gravel Pit
 Address: _____
 City/State/Zip: _____
 Phone: _____ Fax: _____
 Email: _____

Project Information

Project Name: Newton Gravel State: _____
 Project Number: _____
 Project Location: _____
 Report To: Dave Henderson 414-944-6190
 Invoice To: Dave Henderson

Requested Due Date/TAT:	Sample ID	Date Sampled	Time Sampled	G = Grab C = Composite	field filtered	Matrix Code <small>see bottom of page for codes</small>	Preservatives and # of Containers					Analyze For:					Lab ID or Additional Comments
							HNO3	HCL	NaOH	H2SO4	Methanol	None	Other				
	3515 Hecker Rd	9/29/14	1512	G		DW	X										3 vials
	3609 Hecker Rd	9/29/14	1528	G		DW	X										3 vials
	3609 MS	9/29/14	1528	G		DW	X										3 vials
	3609 MSD	9/29/14	1528	G		DW	X										3 vials

MATRIX (CODE)
 Drinking Water (DW), Water (W), Waste Water (WW), Product (P), Soil/Solid (S), Sludge (SL), Oil (OL), Wipe (WP), Air (AR), Other (OT), Tissue (TS)

Special Instructions:

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	9/30/14	0850	<i>[Signature]</i>	9/30/14	0130
<i>[Signature]</i>	10/1/14	0700	<i>[Signature]</i>	10/2/14	
<i>[Signature]</i>			<i>[Signature]</i>		

Sample Condition: Temp in C Temp in F Received on ice Custody Sealed Cooler Sample Intact

Synergy Environmental Lab, INC.

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

DAVE HENDERSON
AECOM
1555 N RIVER CENTER DRIVE
MILWAUKEE, WI 53212

Report Date 13-Oct-14

Project Name NEWTON PIT POTABLE WELLS
Project #

Invoice # E27866

Lab Code 5027866A
Sample ID 3023 CTH CR
Sample Matrix Water
Sample Date 10/8/2014

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

Project Name NEWTON PIT POTABLE WELLS
Project #

Invoice # E27866

Lab Code 5027866A
Sample ID 3023 CTH CR
Sample Matrix Water
Sample Date 10/8/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/10/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/10/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/10/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/10/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/10/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/10/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/10/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/10/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/10/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/10/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/10/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/10/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/10/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/10/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/10/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/10/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/10/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/10/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/10/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/10/2014	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		10/10/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		10/10/2014	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		10/10/2014	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		10/10/2014	CJR	1

Lab Code 5027866B
Sample ID 3120 CTH CR
Sample Matrix Water
Sample Date 10/8/2014

	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		10/10/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/10/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/10/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/10/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/10/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/10/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/10/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/10/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/10/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/10/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/10/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/10/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/10/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/10/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/10/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/10/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/10/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/10/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/10/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/10/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/10/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/10/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/10/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/10/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/10/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/10/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/10/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/10/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/10/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/10/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/10/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/10/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/10/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/10/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/10/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/10/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/10/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/10/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/10/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/10/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/10/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/10/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/10/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/10/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/10/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/10/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/10/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/10/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/10/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/10/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/10/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/10/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/10/2014	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		10/10/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		10/10/2014	CJR	1
SUR - 4-Bromofluorobenzene	114	REC %			1	8260B		10/10/2014	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		10/10/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 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



A handwritten signature in blue ink, appearing to read "Michael Steel", is written over a horizontal line.

Client Information

Company: AECOM - Milwaukee
 Address: 1535 N RiverCentre Drive
 City/State/Zip: Milwaukee WI 53212
 Phone: 414 944 6190 Fax: _____
 Email: Dave.Henderson@AECOM.com

Project Information

Project Name: Newton Pit - Potable wells State: _____
 Project Number: _____
 Project Location: _____
 Report To: DAVE HENDERSON
 Invoice To: _____

Requested Due Date/TAT:	Sample ID	Date Sampled	Time Sampled	G = Grab C = Composite	Field filtered	Matrix Code <small>see bottom of page for codes</small>	Preservatives and # of Containers					Analyze For:					Lab ID or Additional Comments	
							HNO3	HCL	NaOH	H2SO4	Methanol	None	Other					
	3023 CTH CR	10/9/14	2:15	G	N	W	3											5027866f
	3120 CTH CR		2:55	G	N	W	3											B

MATRIX (CODE)
 Drinking Water (DW), Water (W), Waste Water (WW), Product (P), Soil/Solid (S), Sludge (SL), Oil (OL), Wipe (WP), Air (AR), Other (OT), Tissue (TS)

Special Instructions: 24 hr TAT

Relinquished By: <u>DS Henderson</u>	Date: _____	Time: _____	Received By: <u>Dave Henderson</u>	Date: <u>10/10/14</u>	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____

Sample Condition: Temp in C _____ Received on ice Y N Custody Sealed Cooler Y N Sample Intact Y N

Synergy Environmental Lab, INC.

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

DAVE HENDERSON
AECOM
1555 N RIVER CENTER DRIVE
MILWAUKEE, WI 53212

Report Date 24-Oct-14

Project Name NEWTON GRAVEL
Project #

Invoice # E27922

Lab Code 5027922A
Sample ID 3403 CTH CR
Sample Matrix Water
Sample Date 10/21/2014

	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		10/23/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/23/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/23/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		10/23/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/23/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		10/23/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		10/23/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		10/23/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		10/23/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		10/23/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		10/23/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		10/23/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		10/23/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		10/23/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		10/23/2014	CJR	8
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		10/23/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/23/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/23/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		10/23/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		10/23/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		10/23/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		10/23/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		10/23/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		10/23/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		10/23/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		10/23/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		10/23/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		10/23/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		10/23/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		10/23/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		10/23/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		10/23/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/23/2014	CJR	1

Lab Code 5027922A
Sample ID 3403 CTH CR
Sample Matrix Water
Sample Date 10/21/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		10/23/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		10/23/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		10/23/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		10/23/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		10/23/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/23/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		10/23/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		10/23/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		10/23/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/23/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		10/23/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		10/23/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		10/23/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		10/23/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		10/23/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		10/23/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		10/23/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		10/23/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		10/23/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		10/23/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		10/23/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	111	REC %			1	8260B		10/23/2014	CJR	1
SUR - 4-Bromofluorobenzene	115	REC %			1	8260B		10/23/2014	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		10/23/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

1 Laboratory QC within limits.

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

Authorized Signature





Chain of Custody

Client Information

Company AECOM / Dave Henderson
 Address _____
 City/State/Zip _____
 Phone 414-944-6190 / 414-429-8304 (c) Fax
 Email dave.henderson@aecom.com

Project Information

Project Name Newton Gravel State _____
 Project Number _____
 Project Location _____
 Report To Dave Henderson
 Invoice To Dave Henderson

Requested Due Date/TAT:	Sample ID	Date Sampled	Time Sampled	G = Grab C = Composite	Field filtered	Matrix Code see bottom of page for codes	Preservatives and # of Containers						Other	Analyze For:				Lab ID or Additional Comments				
							HNO3	HCL	NaOH	H2SO4	Methanol	None										
	3403 CTH CR	10/21/14	1710	G		DW						3									50279ZZA X VOCs	

MATRIX (CODE) Drinking Water (DW), Water (W), Waste Water (WW), Product (P), Soil/Solid (S), Sludge (SL), Oil (OL), Wipe (WP), Air (AR), Other (OT), Tissue (TS)

Special Instructions: 24 TAT - confirm w/ Dave Henderson @ 414-944-6190
Affy D. Medley

Relinquished By:	Date:	10/22/14	Time:	0730	Received By:	Date:		Time:	
Relinquished By:	Date:		Time:		Received By:	Date:	10/23/14	Time:	8:00
Relinquished By:	Date:		Time:		Received By:	Date:		Time:	

Sample Condition: Temp in C (Y) N Received on ice (Y) N Custody Sealed Cooler (Y) N Sample Intact (Y) N

C:\Documents and Settings\vee\Local Settings\Temporary Internet Files\Content.I5530\Chain of Custody Form

Synergy Environmental Lab, INC.

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

DAVE HENDERSON
AECOM
1555 N RIVER CENTER DRIVE
MILWAUKEE, WI 53212

Report Date 05-Nov-14

Project Name FMR NEWTON GRAVEL PIT
Project #

Invoice # E27987

Lab Code 5027987A
Sample ID 4101 VIEBAHN
Sample Matrix Water
Sample Date 10/29/2014

	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		11/3/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/3/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/3/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/3/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/3/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/3/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/3/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/3/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/3/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/3/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/3/2014	CJR	1
cis-1,2-Dichloroethene	1.48	ug/l	0.38	1.2	1	8260B		11/3/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/3/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/3/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/3/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1

Project Name FMR NEWTON GRAVEL PIT
Project #

Invoice # E27987

Lab Code 5027987A
Sample ID 4101 VIEBAHN
Sample Matrix Water
Sample Date 10/29/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/3/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/3/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/3/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/3/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/3/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/3/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/3/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/3/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/3/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/3/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/3/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/3/2014	CJR	1
Vinyl Chloride	0.38 "J"	ug/l	0.18	0.57	1	8260B		11/3/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		11/3/2014	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		11/3/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		11/3/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		11/3/2014	CJR	1

Lab Code 5027987B
 Sample ID 4025 VIEBAHN
 Sample Matrix Water
 Sample Date 10/29/2014

	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		11/3/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/3/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/3/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/3/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/3/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/3/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/3/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/3/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/3/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/3/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/3/2014	CJR	1
cis-1,2-Dichloroethene	1.38	ug/l	0.38	1.2	1	8260B		11/3/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/3/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/3/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/3/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/3/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/3/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/3/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/3/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/3/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/3/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Toluene	0.95 "J"	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/3/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/3/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/3/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/3/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/3/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/3/2014	CJR	1
Vinyl Chloride	0.34 "J"	ug/l	0.18	0.57	1	8260B		11/3/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		11/3/2014	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		11/3/2014	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		11/3/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		11/3/2014	CJR	1

Lab Code 5027987C
 Sample ID 3825 VIEBAHN
 Sample Matrix Water
 Sample Date 10/29/2014

	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		11/3/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/3/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/3/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/3/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/3/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/3/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/3/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/3/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/3/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/3/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/3/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/3/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/3/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/3/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/3/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/3/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/3/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/3/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/3/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/3/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/3/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/3/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/3/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/3/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/3/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/3/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/3/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/3/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		11/3/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		11/3/2014	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		11/3/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		11/3/2014	CJR	1

Lab Code 5027987D
 Sample ID 3701 VIEBAHN
 Sample Matrix Water
 Sample Date 10/29/2014

	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		11/3/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/3/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/3/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/3/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/3/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/3/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/3/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/3/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/3/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/3/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/3/2014	CJR	1
cis-1,2-Dichloroethene	1.23	ug/l	0.38	1.2	1	8260B		11/3/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/3/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/3/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/3/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/3/2014	CJR	1
Methylene chloride	1.5 "J"	ug/l	0.5	1.6	1	8260B		11/3/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/3/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/3/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/3/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/3/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/3/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/3/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/3/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/3/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/3/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/3/2014	CJR	1
Vinyl Chloride	0.29 "J"	ug/l	0.18	0.57	1	8260B		11/3/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		11/3/2014	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		11/3/2014	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		11/3/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		11/3/2014	CJR	1

Lab Code 5027987E
 Sample ID 3817 VIEBAHN
 Sample Matrix Water
 Sample Date 10/29/2014

	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		11/3/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/3/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/3/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/3/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/3/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/3/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/3/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/3/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/3/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/3/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/3/2014	CJR	1
cis-1,2-Dichloroethene	0.40 "J"	ug/l	0.38	1.2	1	8260B		11/3/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/3/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/3/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/3/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/3/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/3/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/3/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/3/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/3/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/3/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/3/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/3/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/3/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/3/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/3/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/3/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/3/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		11/3/2014	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		11/3/2014	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		11/3/2014	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		11/3/2014	CJR	1

Lab Code 5027987F
 Sample ID TRIP BLANK
 Sample Matrix Water
 Sample Date 10/29/2014

	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		11/3/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/3/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/3/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/3/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/3/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/3/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/3/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/3/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/3/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/3/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/3/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/3/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/3/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/3/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/3/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/3/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/3/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/3/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/3/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/3/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/3/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/3/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/3/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/3/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/3/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/3/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/3/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/3/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/3/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/3/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/3/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/3/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/3/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/3/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/3/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/3/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/3/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/3/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		11/3/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		11/3/2014	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		11/3/2014	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		11/3/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection


LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 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



A handwritten signature in blue ink, appearing to read "Michael J. Steel", is written over a horizontal line.

CHAIN OF STUDY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # No. **279**
Page **1** of **1**

Sample Handling Request

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

Normal Turn Around

Lab I.D. # _____
Account No.: _____ Quote No.: _____
Project #: _____
Sampler (signature): John G

Project (Name / Location): Former Newton Gravel Pit
Reports To: Dave Henderson
Company: AEROM
Address: 1555 N. RiverCenter Dr. 53212
City State Zip: Milwaukee, WI 53212
Phone: 414-944-6190
FAX: 414-944-6081

Invoice To: Dave Henderson
Company: SAME
Address: _____
City State Zip: _____
Phone: _____
FAX: _____

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	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-RCHA METALS	PID/ FID	
50279187A	4101 Viebahn	10/29/14	920	X	X	N	3	GW	HC1																
B	4025 Viebahn	10/29/14	945	Y	Y	N	3	GW	HC1												X	X			
C	3825 Viebahn	10/29/14	1015	X	X	N	3	GW	HC1												X	X			
D	3701 Viebahn	10/29/14	1445	X	X	N	3	GW	HC1												X	X			
E	3817 Viebahn	10/29/14	1545	X	X	N	3	GW	HC1												X	X			
F	Trip Blank	10/29/14	0800	X	Y	N	3	GW	HC1												X	X			

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

Analysis per Contract

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

Relinquished By: (sign) John G Date: 10/31/14 Time: 0800
Received in Laboratory By: Dave Henderson Date: 11/01/14 Time: 10:00

Synergy Environmental Lab, INC.

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

DAVE HENDERSON
AECOM
1555 N RIVER CENTER DRIVE
MILWAUKEE, WI 53212

Report Date 10-Nov-14

Project Name FMR NEWTON GRAVEL PIT
Project #

Invoice # E28016

Lab Code 5028016A
Sample ID 3515 HECKER
Sample Matrix Water
Sample Date 11/4/2014

	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		11/6/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/6/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/6/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/6/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/6/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/6/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/6/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/6/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/6/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/6/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/6/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/6/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/6/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/6/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/6/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1

Project Name FMR NEWTON GRAVEL PIT
Project #

Invoice # E28016

Lab Code 5028016A
Sample ID 3515 HECKER
Sample Matrix Water
Sample Date 11/4/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/6/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/6/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/6/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/6/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/6/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/6/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/6/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/6/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/6/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/6/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/6/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/6/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/6/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
SUR - 4-Bromofluorobenzene	110	REC %			1	8260B		11/6/2014	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		11/6/2014	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		11/6/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	89	REC %			1	8260B		11/6/2014	CJR	1

Lab Code 5028016B
 Sample ID 3120 CTH CR
 Sample Matrix Water
 Sample Date 11/4/2014

	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		11/6/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/6/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/6/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/6/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/6/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/6/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/6/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/6/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/6/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/6/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/6/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/6/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/6/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/6/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/6/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/6/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/6/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/6/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/6/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/6/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/6/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/6/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/6/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/6/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/6/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/6/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/6/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/6/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		11/6/2014	CJR	1
SUR - 4-Bromofluorobenzene	109	REC %			1	8260B		11/6/2014	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		11/6/2014	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		11/6/2014	CJR	1

Lab Code 5028016C
 Sample ID 3403 CTH CR
 Sample Matrix Water
 Sample Date 11/4/2014

	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		11/6/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/6/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/6/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/6/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/6/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/6/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/6/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/6/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/6/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/6/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/6/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/6/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/6/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/6/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/6/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/6/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/6/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/6/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/6/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/6/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/6/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/6/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/6/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/6/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/6/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/6/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/6/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/6/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		11/6/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	110	REC %			1	8260B		11/6/2014	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		11/6/2014	CJR	1
SUR - Toluene-d8	91	REC %			1	8260B		11/6/2014	CJR	1

Lab Code 5028016D
 Sample ID 3023 CTH CR
 Sample Matrix Water
 Sample Date 11/4/2014

	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		11/6/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/6/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/6/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/6/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/6/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/6/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/6/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/6/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/6/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/6/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/6/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/6/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/6/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/6/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/6/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/6/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/6/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/6/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/6/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/6/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/6/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/6/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/6/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/6/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/6/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/6/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/6/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/6/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		11/6/2014	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		11/6/2014	CJR	1
SUR - Toluene-d8	92	REC %			1	8260B		11/6/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		11/6/2014	CJR	1

Lab Code 5028016E
 Sample ID 3609 HECKER
 Sample Matrix Water
 Sample Date 11/4/2014

	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		11/6/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/6/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/6/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/6/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/6/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/6/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/6/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/6/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/6/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/6/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/6/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/6/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/6/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/6/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/6/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/6/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/6/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/6/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/6/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/6/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/6/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/6/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/6/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/6/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/6/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/6/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/6/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/6/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		11/6/2014	CJR	1
SUR - 4-Bromofluorobenzene	109	REC %			1	8260B		11/6/2014	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		11/6/2014	CJR	1
SUR - Toluene-d8	90	REC %			1	8260B		11/6/2014	CJR	1

Lab Code 5028016F
 Sample ID TRIP BLANK
 Sample Matrix Water
 Sample Date 11/4/2014

	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		11/6/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/6/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/6/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/6/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/6/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/6/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/6/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/6/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/6/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/6/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/6/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/6/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/6/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/6/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/6/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/6/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/6/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/6/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/6/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/6/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/6/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/6/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/6/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/6/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/6/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/6/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/6/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/6/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/6/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/6/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/6/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/6/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/6/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/6/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/6/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/6/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/6/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/6/2014	CJR	1
SUR - Toluene-d8	92	REC %			1	8260B		11/6/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		11/6/2014	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		11/6/2014	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		11/6/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 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



A handwritten signature in blue ink, appearing to read "Michael J. Steel", is written over a horizontal line.

CHAIN OF STUDY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # No. 2790

Page 1 of 1

Sample Handling Request

Rush Analysis Date Required
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____ Quote No.: _____
 Account No.: _____
 Project #: _____
 Sampler: (signature) *John G.*
 Project (Name / Location): *Former Newton Gravel Pit / Manitowish, WI*
 Reports To: *Dave Henderson*
 Company: *AECOM*
 Address: *1555 N. River Center Dr. STE 214*
 City State Zip: *Milwaukee, WI 53212*
 Phone: *414-944-6190*
 FAX: *414-944-6080*

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	

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<i>507801A</i>	<i>3515 Hecker</i>	<i>11/14/95</i>			<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>B</i>	<i>3120 CTH CR</i>	<i>11/14/030</i>			<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>C</i>	<i>3403 CTH CR</i>	<i>11/14/000</i>			<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>D</i>	<i>3028 CTH CR</i>	<i>11/14/19</i>			<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>E</i>	<i>3609 Hecker</i>	<i>11/14/1205</i>			<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>F</i>	<i>Tr.p Blyk</i>	<i>11/14/1800</i>			<i>X</i>	<i>N</i>	<i>2</i>	<i>GW</i>	<i>HCl</i>

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

*Analysis per contract
Separate lab reports per ID*

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

Relinquished By: (sign) *John G.* Time *11/5/14 0800* Date *11/5/14 0800*
 Received in Laboratory By: *Dave Henderson* Time: *8:00* Date: *11/6/14*

Synergy Environmental Lab, INC.

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

DAVE HENDERSON
AECOM
200 INDIANA AVENUE
STEVENS POINT, WI 54481-2266

Report Date 18-Nov-14

Project Name FORMER NEWTON GRAVEL PIT
Project #

Invoice # E28048

Lab Code 5028048A
Sample ID 3701 VIEBAHN
Sample Matrix Water
Sample Date 11/7/2014

	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		11/12/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/12/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/12/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/12/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/12/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/12/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/12/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/12/2014	CJR	4
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/12/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/12/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/12/2014	CJR	1
cis-1,2-Dichloroethene	1.18 "J"	ug/l	0.38	1.2	1	8260B		11/12/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/12/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/12/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/12/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1

Project Name FORMER NEWTON GRAVEL PIT
Project #

Invoice # E28048

Lab Code 5028048A
Sample ID 3701 VIEBAHN
Sample Matrix Water
Sample Date 11/7/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/12/2014	CJR	1
Methylene chloride	1.17 "J"	ug/l	0.5	1.6	1	8260B		11/12/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/12/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/12/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/12/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/12/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/12/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/12/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/12/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/12/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/12/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/12/2014	CJR	1
Vinyl Chloride	0.32 "J"	ug/l	0.18	0.57	1	8260B		11/12/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		11/12/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		11/12/2014	CJR	1
SUR - 4-Bromofluorobenzene	112	REC %			1	8260B		11/12/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		11/12/2014	CJR	1

Lab Code 5028048B
 Sample ID 3701 VIEBAHN DUP
 Sample Matrix Water
 Sample Date 11/7/2014

	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		11/12/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/12/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/12/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/12/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/12/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/12/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/12/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/12/2014	CJR	4
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/12/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/12/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/12/2014	CJR	1
cis-1,2-Dichloroethene	1.29	ug/l	0.38	1.2	1	8260B		11/12/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/12/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/12/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/12/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/12/2014	CJR	1
Methylene chloride	1.12 "J"	ug/l	0.5	1.6	1	8260B		11/12/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/12/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/12/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/12/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/12/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/12/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/12/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/12/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/12/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/12/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/12/2014	CJR	1
Vinyl Chloride	0.49 "J"	ug/l	0.18	0.57	1	8260B		11/12/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
SUR - 4-Bromofluorobenzene	111	REC %			1	8260B		11/12/2014	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		11/12/2014	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		11/12/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	109	REC %			1	8260B		11/12/2014	CJR	1

Lab Code 5028048C
 Sample ID 3815 VIEBAHN
 Sample Matrix Water
 Sample Date 11/7/2014

	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		11/12/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/12/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/12/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/12/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/12/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/12/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/12/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/12/2014	CJR	4
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/12/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/12/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/12/2014	CJR	1
cis-1,2-Dichloroethene	0.74 "J"	ug/l	0.38	1.2	1	8260B		11/12/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/12/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/12/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/12/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/12/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/12/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/12/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/12/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/12/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/12/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/12/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/12/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/12/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/12/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/12/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/12/2014	CJR	1
Vinyl Chloride	0.33 "J"	ug/l	0.18	0.57	1	8260B		11/12/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		11/12/2014	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		11/12/2014	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		11/12/2014	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		11/12/2014	CJR	1

Lab Code 5028048D
 Sample ID 4101 VIEBAHN
 Sample Matrix Water
 Sample Date 11/7/2014

	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		11/12/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/12/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/12/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/12/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/12/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/12/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/12/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/12/2014	CJR	4
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/12/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/12/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/12/2014	CJR	1
cis-1,2-Dichloroethene	1.13 "J"	ug/l	0.38	1.2	1	8260B		11/12/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/12/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/12/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/12/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/12/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/12/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/12/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/12/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/12/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/12/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/12/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/12/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/12/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/12/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/12/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/12/2014	CJR	1
Vinyl Chloride	0.39 "J"	ug/l	0.18	0.57	1	8260B		11/12/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		11/12/2014	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		11/12/2014	CJR	1
SUR - 4-Bromofluorobenzene	111	REC %			1	8260B		11/12/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		11/12/2014	CJR	1

Lab Code 5028048E
 Sample ID 4025 VIEBAHN
 Sample Matrix Water
 Sample Date 11/7/2014

	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		11/12/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/12/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/12/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/12/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/12/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/12/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/12/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/12/2014	CJR	4
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/12/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/12/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/12/2014	CJR	1
cis-1,2-Dichloroethene	1.46	ug/l	0.38	1.2	1	8260B		11/12/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/12/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/12/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/12/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/12/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/12/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/12/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/12/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/12/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/12/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/12/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/12/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/12/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/12/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/12/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/12/2014	CJR	1
Vinyl Chloride	0.31 "J"	ug/l	0.18	0.57	1	8260B		11/12/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
SUR - 4-Bromofluorobenzene	112	REC %			1	8260B		11/12/2014	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		11/12/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		11/12/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	92	REC %			1	8260B		11/12/2014	CJR	1

Lab Code 5028048F
 Sample ID 3825 VIEBAHN
 Sample Matrix Water
 Sample Date 11/7/2014

	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		11/12/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/12/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/12/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/12/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/12/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/12/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/12/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/12/2014	CJR	4
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/12/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/12/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/12/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/12/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/12/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/12/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/12/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/12/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/12/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/12/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/12/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/12/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/12/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/12/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/12/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/12/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/12/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/12/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/12/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/12/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		11/12/2014	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		11/12/2014	CJR	1
SUR - Dibromofluoromethane	90	REC %			1	8260B		11/12/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		11/12/2014	CJR	1

Lab Code 5028048G
 Sample ID 3617 VIEBAHN
 Sample Matrix Water
 Sample Date 11/7/2014

	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		11/12/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/12/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/12/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/12/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/12/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/12/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/12/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/12/2014	CJR	4
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/12/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/12/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/12/2014	CJR	1
cis-1,2-Dichloroethene	1.13 "J"	ug/l	0.38	1.2	1	8260B		11/12/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/12/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/12/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/12/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/12/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/12/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/12/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/12/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/12/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/12/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/12/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/12/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/12/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/12/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/12/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/12/2014	CJR	1
Vinyl Chloride	0.48 "J"	ug/l	0.18	0.57	1	8260B		11/12/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		11/12/2014	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		11/12/2014	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		11/12/2014	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		11/12/2014	CJR	1

Lab Code 5028048H
 Sample ID 3817 VIEBAHN
 Sample Matrix Water
 Sample Date 11/7/2014

	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		11/12/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/12/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/12/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/12/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/12/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/12/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/12/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/12/2014	CJR	4
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/12/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/12/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/12/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/12/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/12/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/12/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/12/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/12/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/12/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/12/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/12/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/12/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/12/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/12/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/12/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/12/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/12/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/12/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/12/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/12/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		11/12/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	82	REC %			1	8260B		11/12/2014	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		11/12/2014	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		11/12/2014	CJR	1

Lab Code 5028048I
 Sample ID TRIP BLANK
 Sample Matrix Water
 Sample Date 11/7/2014

	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		11/12/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/12/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/12/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/12/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/12/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/12/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/12/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/12/2014	CJR	4
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/12/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/12/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/12/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/12/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/12/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/12/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/12/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/12/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/12/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/12/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/12/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/12/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/12/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/12/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/12/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/12/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/12/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/12/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/12/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/12/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/12/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/12/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/12/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/12/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/12/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/12/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/12/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/12/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/12/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/12/2014	CJR	1
SUR - Toluene-d8	103	REC %			1	8260B		11/12/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	107	REC %			1	8260B		11/12/2014	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		11/12/2014	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		11/12/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection


LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 4 The continuing 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



A handwritten signature in blue ink, appearing to read "Michael Steel", is written over a horizontal line.

CHAIN OF STUDY RECORD

Synergy

Environmental Lab, Inc.

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

Chain # **No. 2790**
Page **1** of **1**

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

Lab I.D. # _____ Quote No.: _____
Account No.: _____
Project #: _____
Sampler: (signature) *John J. [Signature]*
Project (Name / Location): **Former Newton Gravel Pit / Manitowoc, WI**
Reports To: **Dave Henderson**
Company: **AECOM**
Address: **1555 N. RiverCenter Dr. Ste 214**
City State Zip: **Waukesha, WI 53212**
Phone: **414-944-6190**
FAX: **414-944-6084**

Analysis Requested		Other Analysis	
DRQ (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)			
B-PCRA METALS			

Lab I.D.	Sample I.D.	Collection Date Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	PID/ FID
5028048A	3701 Viebahn	11/7/14 845		X	N	3	GW	HCl	
B	3701 Viebahn DP	11/7/14 845		X	N	3	GW	HCl	
C	3815 Viebahn	11/7/14 920		X	N	3	GW	HCl	
D	4101 Viebahn	11/7/14 1015		X	N	3	GW	HCl	
E	4025 Viebahn	11/7/14 945		X	N	3	GW	HCl	
F	3825 Viebahn	11/7/14 1045		X	N	3	GW	HCl	
G	3617 Viebahn	11/7/14 1115		X	N	3	GW	HCl	
H	3817 Viebahn	11/7/14 1540		X	N	3	GW	HCl	
	Trip Blank	11/7/14 0800		X	N		GW	HCl	

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

Analysis per Contract
Separate lab report per sample ID

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

Relinquished By: (sign) *John J. [Signature]* Time: **11/7/14 1900**
Received By: (sign) *Tom A. Schuy* Time: **11/7/14 1900**

Received in Laboratory By: *[Signature]* Time: **8:20 AM** Date: **11-11-14**

Synergy Environmental Lab, INC.

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

DAVE HENDERSON
AECOM
1555 N RIVER CENTER DRIVE
MILWAUKEE, WI 53212

Report Date 19-Nov-14

Project Name FMR NEWTON GRAVEL PIT
Project #

Invoice # E28074

Lab Code 5028074A
Sample ID 3312 CTH CR
Sample Matrix Water
Sample Date 11/10/2014

	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	11/17/2014	11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B	11/17/2014	11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B	11/17/2014	11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B	11/17/2014	11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B	11/17/2014	11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B	11/17/2014	11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B	11/17/2014	11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B	11/17/2014	11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B	11/17/2014	11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B	11/17/2014	11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B	11/17/2014	11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B	11/17/2014	11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B	11/17/2014	11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B	11/17/2014	11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B	11/17/2014	11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B	11/17/2014	11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B	11/17/2014	11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B	11/17/2014	11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B	11/17/2014	11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B	11/17/2014	11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B	11/17/2014	11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B	11/17/2014	11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B	11/17/2014	11/17/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B	11/17/2014	11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B	11/17/2014	11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B	11/17/2014	11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B	11/17/2014	11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B	11/17/2014	11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B	11/17/2014	11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B	11/17/2014	11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B	11/17/2014	11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B	11/17/2014	11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B	11/17/2014	11/17/2014	CJR	1

Project Name FMR NEWTON GRAVEL PIT
Project #

Invoice # E28074

Lab Code 5028074A
Sample ID 3312 CTH CR
Sample Matrix Water
Sample Date 11/10/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	118	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074B
 Sample ID 3921 BLACKHAWK
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	0.65 "J"	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	110	REC %			1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	88	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074C
 Sample ID 2916 CTH CR
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	0.74 "J"	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	0.28 "J"	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074D
 Sample ID 3412 CTH CR
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074E
 Sample ID 4159 SILVER
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	0.59 "J"	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074F
 Sample ID 4159 SILVER DUP
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	0.52 "J"	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	88	REC %			1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	118	REC %			1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074G
 Sample ID 3518 HECKER
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	110	REC %			1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	105	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074H
 Sample ID 3618 CTH CR
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/18/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/18/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/18/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/18/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/18/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/18/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/18/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/18/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/18/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/18/2014	CJR	1
cis-1,2-Dichloroethene	0.83 "J"	ug/l	0.38	1.2	1	8260B		11/18/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/18/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/18/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/18/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/18/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/18/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/18/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/18/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/18/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/18/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
SUR - Toluene-d8	110	REC %			1	8260B		11/18/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		11/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		11/18/2014	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		11/18/2014	CJR	1

Lab Code 5028074I
 Sample ID 3322 CTH CR
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	112	REC %			1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	86	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074J
 Sample ID 2717 CTH CR
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	1.3	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	0.39 "J"	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	77	REC %			1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	85	REC %			1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074K
 Sample ID 3327 HECKER
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	5.6	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074L
 Sample ID 3461 HECKER
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	1.49	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	108	REC %			1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	120	REC %			1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074M
 Sample ID 2734 CTH CR
 Sample Matrix Water
 Sample Date 11/10/2014

	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		11/17/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/17/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/17/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/17/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/17/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/17/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/17/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/17/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/17/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/17/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/17/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/17/2014	CJR	1
cis-1,2-Dichloroethene	0.63 "J"	ug/l	0.38	1.2	1	8260B		11/17/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/17/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/17/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/17/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/17/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/17/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/17/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/17/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/17/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/17/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/17/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/17/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/17/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/17/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/17/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/17/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/17/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/17/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/17/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/17/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/17/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/17/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/17/2014	CJR	1
Vinyl Chloride	0.26 "J"	ug/l	0.18	0.57	1	8260B		11/17/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/17/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/17/2014	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		11/17/2014	CJR	1
SUR - Dibromofluoromethane	83	REC %			1	8260B		11/17/2014	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		11/17/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		11/17/2014	CJR	1

Lab Code 5028074N
 Sample ID 4027 THUNDER
 Sample Matrix Water
 Sample Date 11/11/2014

	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		11/18/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/18/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/18/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/18/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/18/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/18/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/18/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/18/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/18/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/18/2014	CJR	1
cis-1,2-Dichloroethene	0.60 "J"	ug/l	0.38	1.2	1	8260B		11/18/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/18/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/18/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/18/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/18/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/18/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/18/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/18/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/18/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/18/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	116	REC %			1	8260B		11/18/2014	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		11/18/2014	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		11/18/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			1	8260B		11/18/2014	CJR	1

Lab Code 5028074O
 Sample ID 4027 THUNDER DUP
 Sample Matrix Water
 Sample Date 11/11/2014

	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		11/18/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/18/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/18/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/18/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/18/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/18/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/18/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/18/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/18/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/18/2014	CJR	1
cis-1,2-Dichloroethene	0.53 "J"	ug/l	0.38	1.2	1	8260B		11/18/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/18/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/18/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/18/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/18/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/18/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/18/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/18/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/18/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/18/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		11/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		11/18/2014	CJR	1
SUR - Dibromofluoromethane	105	REC %			1	8260B		11/18/2014	CJR	1
SUR - Toluene-d8	91	REC %			1	8260B		11/18/2014	CJR	1

Lab Code 5028074P
 Sample ID 3027 ORCHARD
 Sample Matrix Water
 Sample Date 11/11/2014

	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		11/18/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/18/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/18/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/18/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/18/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/18/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/18/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/18/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/18/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/18/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/18/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/18/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/18/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/18/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/18/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/18/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/18/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/18/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/18/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/18/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			1	8260B		11/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	114	REC %			1	8260B		11/18/2014	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		11/18/2014	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		11/18/2014	CJR	1

Lab Code 5028074Q
 Sample ID 4005 THUNDER
 Sample Matrix Water
 Sample Date 11/11/2014

	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		11/18/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/18/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/18/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/18/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/18/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/18/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/18/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/18/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/18/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/18/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/18/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/18/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/18/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/18/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/18/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/18/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/18/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/18/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/18/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/18/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		11/18/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	116	REC %			1	8260B		11/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	120	REC %			1	8260B		11/18/2014	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		11/18/2014	CJR	1

Lab Code 5028074R
 Sample ID 3702 HECKER
 Sample Matrix Water
 Sample Date 11/13/2014

	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		11/18/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/18/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/18/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/18/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/18/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/18/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/18/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/18/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/18/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/18/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/18/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/18/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/18/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/18/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/18/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/18/2014	CJR	8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/18/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/18/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/18/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/18/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/18/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/18/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/18/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/18/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/18/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/18/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/18/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/18/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/18/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/18/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/18/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/18/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/18/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/18/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/18/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/18/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/18/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/18/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		11/18/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		11/18/2014	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		11/18/2014	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		11/18/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation


Code ***Comment***

1 Laboratory QC within limits.

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



A handwritten signature in blue ink, appearing to read "Michael Steel", is written over a horizontal line.

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920-830-2455 • FAX 920-733-0631

Chain # No: 310

Page 1 of 1

Sample Handling Request

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

Normal Turn Around

Lab I.D. # _____ Quote No.: _____

Account No.: _____

Project #: _____

Sampler: (signature) *John J. [Signature]*

Project (Name / Location): Former Newton Grand Pit

Reports To: DAVE HENDERSON

Company: AECOM

Address: 1555 N. River Center Dr. STE 214

City State Zip: Milwaukee, WI 53218

Phone: 414-744-6190

FAX: 414-944-6081

Invoice To: DAVE HENDERSON

Company: SAME

Address: _____

City State Zip: _____

Phone: _____

FAX: _____

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	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
S078074	A3812	11/14/15	915	X	X	N	3	Hetero	HCl															
B3921	Blackhawk	11/10/14	945	X	X	N	3	GW	HCl															
C2916	CTH CR	11/10/14	1020	X	X	N	3	GW	HCl															
D3412	CTH CR	11/10/14	1045	X	X	N	3	GW	HCl															
E4159	Silver	11/10/14	1115	X	X	N	3	GW	HCl															
F4159	Silver DUP	11/10/14	1115	X	X	N	3	GW	HCl															
G3518	Holker	11/10/14	1415	X	X	N	3	GW	HCl															
H3148	CTH CR	11/10/14	1515	X	X	N	3	GW	HCl															
I3322	CTH CR	11/10/14	1615	X	X	N	3	GW	HCl															
J2717	CTH CR	11/10/14	1715	X	X	N	3	GW	HCl															

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

Analysis per Contract
Separate lab reports per Sample I.D.

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Dry Ice °C On Ice:

Temp. of Temp. Blank: _____ °C Yes No

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *John J. [Signature]* Time: 11/13/14 1900

Received By: (sign) *Tory [Signature]* Time: 11/14/14 0830

Relinquished By: (sign) *Tory [Signature]* Time: 11/14/14 1900

Received in Laboratory By: *[Signature]* Time: 10:00 Date: 11/15/14

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Chain # No: 310

Page 2 of 2

Sample Handling Request

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

Normal Turn Around

Lab I.D. # _____ Quote No.: _____
 Account No.: _____
 Project #: _____
 Sampler: (signature) *Jedra J*
 Project (Name / Location): *Former Newton Gravel Pit / Manitowoc, WI*
 Reports To: *DAVE HENDERSON*
 Company: *AECOM*
 Address: *1555 N. River Center Dr. STE 214*
 City/State/Zip: *Milwaukee, WI 53212*
 Phone: *414-944-6180*
 FAX: *414-944-6081*

Invoice To: *DAVE HENDERSON*
 Company: *SAME*
 Address: _____
 City/State/Zip: _____
 Phone: _____
 FAX: _____

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation
<i>S02807NK</i>	<i>3327 Hecker</i>	<i>11/14/14</i>	<i>1645</i>	<i>X</i>	<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>L</i>	<i>3461 Hecker</i>	<i>11/14/14</i>	<i>1545</i>	<i>X</i>	<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>M</i>	<i>2734 CTH CR</i>	<i>11/14/14</i>	<i>1445</i>	<i>X</i>	<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>N</i>	<i>4087 Thunder</i>	<i>11/14/14</i>	<i>915</i>	<i>X</i>	<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>O</i>	<i>4087 Thunder Dr</i>	<i>11/14/14</i>	<i>915</i>	<i>X</i>	<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>P</i>	<i>3087 Orchard</i>	<i>11/14/14</i>	<i>915</i>	<i>X</i>	<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>Q</i>	<i>3702 Hecker</i>	<i>11/14/14</i>	<i>1045</i>	<i>X</i>	<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
<i>R</i>	<i>4005 Thunder</i>	<i>11/14/14</i>	<i>1015</i>	<i>X</i>	<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>
	<i>3702 Hecker</i>	<i>11/14/14</i>	<i>1545</i>	<i>X</i>	<i>X</i>	<i>N</i>	<i>3</i>	<i>GW</i>	<i>HCl</i>

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)	<i>X</i>		
8-PCRA METALS	<i>X</i>		

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

*Analysis per contract.
Separate lab report per sample I.D.*

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

Relinquished By: (sign) *Jedra J* Date: *11/13/14 1900*
 Received By: (sign) *Troy A. Schum* Date: *11/13/14 1900*

Received in Laboratory By: *Chandra P. Puro* Time: *10:00* Date: *11/15/14*

Synergy Environmental Lab, INC.

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

DAVE HENDERSON
AECOM
1555 N RIVER CENTER DRIVE
MILWAUKEE, WI 53212

Report Date 26-Nov-14

Project Name FMR NEWTON GRAVEL PIT
Project #

Invoice # E28103

Lab Code 5028103A
Sample ID 3303 HECKER
Sample Matrix Water
Sample Date 11/17/2014

	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		11/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/22/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/22/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1

Project Name FMR NEWTON GRAVEL PIT
Project #

Invoice # E28103

Lab Code 5028103A
Sample ID 3303 HECKER
Sample Matrix Water
Sample Date 11/17/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/22/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/22/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		11/22/2014	CJR	1
SUR - Dibromofluoromethane	87	REC %			1	8260B		11/22/2014	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		11/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		11/22/2014	CJR	1

Lab Code 5028103B
 Sample ID 3224 CTH CR
 Sample Matrix Water
 Sample Date 11/17/2014

	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		11/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/22/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/22/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/22/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/22/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		11/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		11/22/2014	CJR	1
SUR - Dibromofluoromethane	85	REC %			1	8260B		11/22/2014	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		11/22/2014	CJR	1

Lab Code 5028103C
 Sample ID 4111 THUNDER
 Sample Matrix Water
 Sample Date 11/17/2014

	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		11/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/22/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/22/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/22/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/22/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
SUR - Toluene-d8	94	REC %			1	8260B		11/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		11/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		11/22/2014	CJR	1
SUR - Dibromofluoromethane	90	REC %			1	8260B		11/22/2014	CJR	1

Lab Code 5028103D
 Sample ID 4101 THUNDER
 Sample Matrix Water
 Sample Date 11/17/2014

	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		11/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/22/2014	CJR	1
cis-1,2-Dichloroethene	0.63 "J"	ug/l	0.38	1.2	1	8260B		11/22/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/22/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/22/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		11/22/2014	CJR	1
SUR - Dibromofluoromethane	85	REC %			1	8260B		11/22/2014	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		11/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		11/22/2014	CJR	1

Lab Code 5028103E
 Sample ID 3422 CTH CR
 Sample Matrix Water
 Sample Date 11/18/2014

	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		11/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/22/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/22/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/22/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/22/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		11/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	93	REC %			1	8260B		11/22/2014	CJR	1
SUR - Dibromofluoromethane	86	REC %			1	8260B		11/22/2014	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		11/22/2014	CJR	1

Lab Code 5028103F
 Sample ID 4004 SILVER
 Sample Matrix Water
 Sample Date 11/18/2014

	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		11/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/22/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/22/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/22/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/22/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
SUR - Dibromofluoromethane	89	REC %			1	8260B		11/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		11/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		11/22/2014	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		11/22/2014	CJR	1

Lab Code 5028103G
 Sample ID 3504 CTH CR
 Sample Matrix Water
 Sample Date 11/18/2014

	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		11/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/22/2014	CJR	1
cis-1,2-Dichloroethene	1.41	ug/l	0.38	1.2	1	8260B		11/22/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/22/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/22/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		11/22/2014	CJR	1
SUR - Dibromofluoromethane	85	REC %			1	8260B		11/22/2014	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		11/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		11/22/2014	CJR	1

Lab Code 5028103H
 Sample ID 3504 CTH CR DUP
 Sample Matrix Water
 Sample Date 11/18/2014

	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		11/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/22/2014	CJR	1
cis-1,2-Dichloroethene	1.26	ug/l	0.38	1.2	1	8260B		11/22/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/22/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/22/2014	CJR	1
Vinyl Chloride	0.18 "J"	ug/l	0.18	0.57	1	8260B		11/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	92	REC %			1	8260B		11/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	107	REC %			1	8260B		11/22/2014	CJR	1
SUR - Dibromofluoromethane	87	REC %			1	8260B		11/22/2014	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		11/22/2014	CJR	1

Lab Code 5028103I
 Sample ID 3902 SILVER
 Sample Matrix Water
 Sample Date 11/18/2014

	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		11/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/22/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/22/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/22/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/22/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
SUR - Toluene-d8	93	REC %			1	8260B		11/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		11/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		11/22/2014	CJR	1
SUR - Dibromofluoromethane	87	REC %			1	8260B		11/22/2014	CJR	1

Lab Code 5028103J
 Sample ID 2716 CTH CR
 Sample Matrix Water
 Sample Date 11/18/2014

	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		11/22/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/22/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/22/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/22/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/22/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/22/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/22/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/22/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/22/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/22/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/22/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/22/2014	CJR	1
cis-1,2-Dichloroethene	< 0.38	ug/l	0.38	1.2	1	8260B		11/22/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/22/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/22/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/22/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/22/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/22/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/22/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/22/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/22/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/22/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/22/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/22/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/22/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/22/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/22/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/22/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/22/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/22/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/22/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/22/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/22/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/22/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/22/2014	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.57	1	8260B		11/22/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/22/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/22/2014	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		11/22/2014	CJR	1
SUR - Dibromofluoromethane	88	REC %			1	8260B		11/22/2014	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		11/22/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		11/22/2014	CJR	1

Lab Code 5028103K
 Sample ID 3815 VIEBAHN
 Sample Matrix Water
 Sample Date 11/19/2014

	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		11/24/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/24/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/24/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/24/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/24/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/24/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/24/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/24/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/24/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/24/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/24/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/24/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/24/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/24/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/24/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/24/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/24/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/24/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/24/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/24/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/24/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/24/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/24/2014	CJR	1
cis-1,2-Dichloroethene	0.94 "J"	ug/l	0.38	1.2	1	8260B		11/24/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/24/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/24/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/24/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/24/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/24/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/24/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/24/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/24/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/24/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/24/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/24/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/24/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/24/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/24/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/24/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/24/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/24/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/24/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/24/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/24/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/24/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/24/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/24/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/24/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/24/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/24/2014	CJR	1
Vinyl Chloride	0.31 "J"	ug/l	0.18	0.57	1	8260B		11/24/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/24/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/24/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		11/24/2014	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		11/24/2014	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		11/24/2014	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		11/24/2014	CJR	1

Lab Code 5028103L
 Sample ID 3617 VIEBAHN
 Sample Matrix Water
 Sample Date 11/19/2014

	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		11/24/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		11/24/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		11/24/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		11/24/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/24/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		11/24/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		11/24/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		11/24/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		11/24/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		11/24/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		11/24/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		11/24/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		11/24/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		11/24/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		11/24/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		11/24/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/24/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		11/24/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		11/24/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		11/24/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		11/24/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		11/24/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		11/24/2014	CJR	1
cis-1,2-Dichloroethene	1.12 "J"	ug/l	0.38	1.2	1	8260B		11/24/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		11/24/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		11/24/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		11/24/2014	CJR	4 8
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		11/24/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		11/24/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		11/24/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		11/24/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		11/24/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		11/24/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		11/24/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		11/24/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		11/24/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		11/24/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		11/24/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/24/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		11/24/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		11/24/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		11/24/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		11/24/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		11/24/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		11/24/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		11/24/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		11/24/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		11/24/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		11/24/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		11/24/2014	CJR	1
Vinyl Chloride	0.40 "J"	ug/l	0.18	0.57	1	8260B		11/24/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		11/24/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		11/24/2014	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		11/24/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	91	REC %			1	8260B		11/24/2014	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		11/24/2014	CJR	1
SUR - Dibromofluoromethane	92	REC %			1	8260B		11/24/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code ***Comment***

- 1 Laboratory QC within limits.
- 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



A handwritten signature in blue ink, appearing to read "Michael J. Steel", is written over a horizontal line.

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

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

Lab I.D. # _____ Quote No.: _____
 Account No.: _____
 Project #: _____
 Sampler: (signature) *[Signature]*
 Project (Name / Location): **Former Newton Gravel Pit / Manitowoc, WI**
 Reports To: **DAVE HENDERSON**
 Company: **AECOM**
 Address: **1555 N RiverCenter STE 214**
 City State Zip: **Milwaukee WI 53212**
 Phone: **414-944-6190**
 FAX: **414-944-6081**

Invoice To: **DAVE HENDERSON**
 Company: **SAME**
 Address: _____
 City State Zip: _____
 Phone: _____
 FAX: _____

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	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-PCPA METALS	PID/ FID
5078103A	3303 Hecker	11/17/14	15:45	X	X	N	3	GW	HCL															
B	3024 CTH CR	11/17/14	16:15	X	X	N	3	GW	HCL															
C	4111 Thunder	11/17/14	16:45	X	X	N	3	GW	HCL															
D	4101 Thunder	11/17/14	17:00	X	X	N	3	GW	HCL															
E	342A CTH CR	11/18/14	1445	X	X	N	3	GW	HCL															
F	4004 Silver	11/18/14	1515	X	X	N	3	GW	HCL															
G	3504 CTH CR	11/18/14	1545	X	X	N	3	GW	HCL															
H	3504 CTH CR	11/18/14	1545	X	X	N	3	GW	HCL															
I	3902 Silver	11/18/14	1615	X	X	N	3	GW	HCL															
J	2716 CTH CR	11/18/14	1715	X	X	N	3	GW	HCL															

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)
Analysis per contract, Separate lab report per sample ID

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: **Refrigerated** Temp. of Temp. Blank: _____ °C On Ice:
 Cooler seal intact upon receipt: Yes ___ No ___
 Relinquished By: (sign) *[Signature]* Time: **0800** Date: **11/20/14**
 Received in Laboratory By: *[Signature]* Time: **8:00** Date: **11/21/14**

Sample Handling Request

Rush Analysis Date Required
(Rushes accepted only with prior authorization)
 Normal Turn Around

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

Lab I.D. # _____
Account No.: _____
Quote No.: _____
Project #: _____
Sampler: (signature) *John J.*

Project (Name / Location): Former Newton Gravel Pit / Manitowoc, WI

Reports To: DAVE HENDERSON
Company: AECOM
Address: 1555 N River Center STE 214
City State Zip: Milwaukee WI 53212
Phone: 414 944-6190
FAX: 414-944-6081

Invoice To: DAVE HENDERSON
Company: SAME

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
S028103k	3815 Viebahn	11/17/14	845	X	X	N	3	GW	HCl
	3017 Viebahn	11/17/14	1045	X	X	N	3	GW	HCl

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)	X
8-FCRA METALS	X

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

Analysis per contract, separate lab report per sample I D

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

Relinquished By: (sign) *John J.* Time 1800 Date 11/20/14
Received By: (sign) _____ Time _____ Date _____
Received in Laboratory By: *David Lee* Date: 11/21/14

Synergy Environmental Lab, INC.

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

DAVE HENDERSON
AECOM
1555 N RIVER CENTER DRIVE
MILWAUKEE, WI 53212

Report Date 02-Dec-14

Project Name MANITOWOC (NEWTON)
Project # 60311767

Invoice # E28129

Lab Code 5028129A
Sample ID 2916 PW 2916 CTH CR
Sample Matrix Water
Sample Date 11/25/2014

	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		12/1/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		12/1/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		12/1/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		12/1/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		12/1/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		12/1/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		12/1/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		12/1/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		12/1/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		12/1/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		12/1/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		12/1/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		12/1/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		12/1/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		12/1/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		12/1/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		12/1/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		12/1/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		12/1/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		12/1/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		12/1/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/1/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		12/1/2014	CJR	1
cis-1,2-Dichloroethene	0.82 "J"	ug/l	0.38	1.2	1	8260B		12/1/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		12/1/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		12/1/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		12/1/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		12/1/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		12/1/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		12/1/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		12/1/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		12/1/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		12/1/2014	CJR	1

Project Name MANITOWOC (NEWTON)
Project # 60311767

Invoice # E28129

Lab Code 5028129A
Sample ID 2916 PW 2916 CTH CR
Sample Matrix Water
Sample Date 11/25/2014

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/1/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		12/1/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		12/1/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		12/1/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		12/1/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		12/1/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		12/1/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		12/1/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		12/1/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		12/1/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		12/1/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		12/1/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		12/1/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		12/1/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		12/1/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		12/1/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		12/1/2014	CJR	1
Vinyl Chloride	0.37 "J"	ug/l	0.18	0.57	1	8260B		12/1/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		12/1/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		12/1/2014	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		12/1/2014	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		12/1/2014	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		12/1/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	108	REC %			1	8260B		12/1/2014	CJR	1

Project Name MANITOWOC (NEWTON)
 Project # 60311767

Invoice # E28129

Lab Code 5028129B
 Sample ID 2734 PW 2734 CTH CR
 Sample Matrix Water
 Sample Date 11/25/2014

	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		12/1/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		12/1/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		12/1/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		12/1/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		12/1/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		12/1/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		12/1/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		12/1/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		12/1/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		12/1/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		12/1/2014	CJR	1
Chloromethane	< 0.81	ug/l	0.81	2.6	1	8260B		12/1/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		12/1/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		12/1/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		12/1/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		12/1/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		12/1/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		12/1/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		12/1/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		12/1/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		12/1/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/1/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		12/1/2014	CJR	1
cis-1,2-Dichloroethene	0.93 "J"	ug/l	0.38	1.2	1	8260B		12/1/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		12/1/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		12/1/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		12/1/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		12/1/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		12/1/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		12/1/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		12/1/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		12/1/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		12/1/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/1/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		12/1/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		12/1/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		12/1/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		12/1/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		12/1/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		12/1/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		12/1/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		12/1/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		12/1/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		12/1/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		12/1/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		12/1/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		12/1/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		12/1/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		12/1/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		12/1/2014	CJR	1
Vinyl Chloride	0.38 "J"	ug/l	0.18	0.57	1	8260B		12/1/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		12/1/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		12/1/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		12/1/2014	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		12/1/2014	CJR	1
SUR - Dibromofluoromethane	108	REC %			1	8260B		12/1/2014	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		12/1/2014	CJR	1

Project Name MANITOWOC (NEWTON)
 Project # 60311767

Invoice # E28129

Lab Code 5028129C
 Sample ID 2734 PW DUP 2734 CTH CR
 Sample Matrix Water
 Sample Date 11/25/2014

	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		12/2/2014	CJR	1
Bromobenzene	< 0.32	ug/l	0.32	1	1	8260B		12/2/2014	CJR	1
Bromodichloromethane	< 0.37	ug/l	0.37	1.2	1	8260B		12/2/2014	CJR	1
Bromoform	< 0.35	ug/l	0.35	1.1	1	8260B		12/2/2014	CJR	1
tert-Butylbenzene	< 0.36	ug/l	0.36	1.2	1	8260B		12/2/2014	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1	1	8260B		12/2/2014	CJR	1
n-Butylbenzene	< 0.35	ug/l	0.35	1.1	1	8260B		12/2/2014	CJR	1
Carbon Tetrachloride	< 0.33	ug/l	0.33	1.1	1	8260B		12/2/2014	CJR	1
Chlorobenzene	< 0.24	ug/l	0.24	0.77	1	8260B		12/2/2014	CJR	1
Chloroethane	< 0.63	ug/l	0.63	2	1	8260B		12/2/2014	CJR	1
Chloroform	< 0.28	ug/l	0.28	0.88	1	8260B		12/2/2014	CJR	1
Chloromethane	24.3	ug/l	0.81	2.6	1	8260B		12/2/2014	CJR	1
2-Chlorotoluene	< 0.21	ug/l	0.21	0.66	1	8260B		12/2/2014	CJR	1
4-Chlorotoluene	< 0.21	ug/l	0.21	0.68	1	8260B		12/2/2014	CJR	1
1,2-Dibromo-3-chloropropane	< 0.88	ug/l	0.88	2.8	1	8260B		12/2/2014	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.7	1	8260B		12/2/2014	CJR	1
1,4-Dichlorobenzene	< 0.3	ug/l	0.3	0.96	1	8260B		12/2/2014	CJR	1
1,3-Dichlorobenzene	< 0.28	ug/l	0.28	0.89	1	8260B		12/2/2014	CJR	1
1,2-Dichlorobenzene	< 0.36	ug/l	0.36	1.2	1	8260B		12/2/2014	CJR	1
Dichlorodifluoromethane	< 0.44	ug/l	0.44	1.4	1	8260B		12/2/2014	CJR	1
1,2-Dichloroethane	< 0.41	ug/l	0.41	1.3	1	8260B		12/2/2014	CJR	1
1,1-Dichloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		12/2/2014	CJR	1
1,1-Dichloroethene	< 0.4	ug/l	0.4	1.3	1	8260B		12/2/2014	CJR	1
cis-1,2-Dichloroethene	1.02 "J"	ug/l	0.38	1.2	1	8260B		12/2/2014	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.1	1	8260B		12/2/2014	CJR	1
1,2-Dichloropropane	< 0.32	ug/l	0.32	1	1	8260B		12/2/2014	CJR	1
2,2-Dichloropropane	< 0.36	ug/l	0.36	1.2	1	8260B		12/2/2014	CJR	1
1,3-Dichloropropane	< 0.33	ug/l	0.33	1	1	8260B		12/2/2014	CJR	1
Di-isopropyl ether	< 0.23	ug/l	0.23	0.73	1	8260B		12/2/2014	CJR	1
EDB (1,2-Dibromoethane)	< 0.44	ug/l	0.44	1.4	1	8260B		12/2/2014	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.7	1	8260B		12/2/2014	CJR	1
Hexachlorobutadiene	< 1.5	ug/l	1.5	4.8	1	8260B		12/2/2014	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		12/2/2014	CJR	1
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.98	1	8260B		12/2/2014	CJR	1
Methylene chloride	< 0.5	ug/l	0.5	1.6	1	8260B		12/2/2014	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.23	ug/l	0.23	0.74	1	8260B		12/2/2014	CJR	1
Naphthalene	< 1.7	ug/l	1.7	5.5	1	8260B		12/2/2014	CJR	1
n-Propylbenzene	< 0.25	ug/l	0.25	0.81	1	8260B		12/2/2014	CJR	1
1,1,2,2-Tetrachloroethane	< 0.45	ug/l	0.45	1.4	1	8260B		12/2/2014	CJR	1
1,1,1,2-Tetrachloroethane	< 0.33	ug/l	0.33	1.1	1	8260B		12/2/2014	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1.1	1	8260B		12/2/2014	CJR	1
Toluene	< 0.69	ug/l	0.69	2.2	1	8260B		12/2/2014	CJR	1
1,2,4-Trichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		12/2/2014	CJR	1
1,2,3-Trichlorobenzene	< 1.8	ug/l	1.8	5.8	1	8260B		12/2/2014	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1	1	8260B		12/2/2014	CJR	1
1,1,2-Trichloroethane	< 0.34	ug/l	0.34	1.1	1	8260B		12/2/2014	CJR	1
Trichloroethene (TCE)	< 0.33	ug/l	0.33	1	1	8260B		12/2/2014	CJR	1
Trichlorofluoromethane	< 0.71	ug/l	0.71	2.3	1	8260B		12/2/2014	CJR	1
1,2,4-Trimethylbenzene	< 2.2	ug/l	2.2	6.9	1	8260B		12/2/2014	CJR	1
1,3,5-Trimethylbenzene	< 1.4	ug/l	1.4	4.5	1	8260B		12/2/2014	CJR	1
Vinyl Chloride	0.43 "J"	ug/l	0.18	0.57	1	8260B		12/2/2014	CJR	1
m&p-Xylene	< 0.69	ug/l	0.69	2.2	1	8260B		12/2/2014	CJR	1
o-Xylene	< 0.63	ug/l	0.63	2	1	8260B		12/2/2014	CJR	1
SUR - Toluene-d8	104	REC %			1	8260B		12/2/2014	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		12/2/2014	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		12/2/2014	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		12/2/2014	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

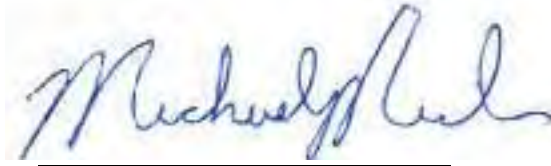
LOQ Limit of Quantitation

Code ***Comment***

1 Laboratory QC within limits.

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

Authorized Signature



A handwritten signature in blue ink, appearing to read "Michael J. Paul", is written over a horizontal line.



Client Information

Company AECOM
 Address 1555 N. River Center Dr, Ste 214
 City/State/Zip Milwaukee WI 53212
 Phone 414-944-6190 Fax 414-944-6081
 Email davehenderson@AECOM.com

Project Information

Project Name Manitowoc (Newton)
 Project Number 6031767
 Project Location Manitowoc WI
 Report To Dave Henderson
 Invoice To _____
 State WI

Requested Due Date/TAT:	Sample ID	Date Sampled	Time Sampled	G = Grab C = Composite	field filtered	Matrix Code see bottom of page for codes	Preservatives and # of Containers					Analyze For:					Lab ID or Additional Comments
							HNO3	HCL	NaOH	H2SO4	Methanol	None	Other				
	2916 PW	11/25/14	8:30	G	N	PW	X	X									5028127A
	2734 PW		8:50	G	N	PW	X	X									B
	2734 PW Pup		8:50	G	N	PW	X	X									C
	Both Addresses																
	CTH CR																

MATRIX (CODE)

Drinking Water (DW), Water (W), Waste Water (WW), Product (P), Soil/Solid (S), Sludge (SL), Oil (OL), Wipe (WP), Air (AR), Other (OT), Tissue (TS)

Special Instructions:

Robert Newland

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	11/25/14	12:00pm	<i>Dave Henderson</i>	11/26/14	8:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Sample Condition: Temp in C N Received on ice N

Custody Sealed Cooler N

Sample Intact N