

2016 Annual Residential Well Sampling Report
Project No: 1036-10081

Prepared For:
Franklin Waste Facility Monitoring Committee

Prepared By:



WHAT WE DO TODAY TOUCHES SEVEN GENERATIONS.

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In May of 1992 an agreement between The Waste Management Metro Landfill and Recycling Facility (Waste Facility) and the neighboring Municipalities was signed; a Host agreement. This agreement defined the rights and responsibilities of a Monitoring Committee that would be made up of representatives from the neighboring municipalities and the “host” community, City of Franklin. The Monitoring Committee was titled the Franklin Waste Facility Monitoring Committee (Franklin WFMC). The other communities with seats on the Franklin WFMC are:

- Milwaukee County
- Waukesha County
- Racine County
- City of Muskego
- Town of Raymond
- Town of Norway

One of the responsibilities of the Waste Facility is to procure annual sampling and testing of thirty five (35) residential wells, selected by the Franklin WFMC. The samples under go testing for constituents regulated by both the Primary and Secondary Federal Drinking Water Standards. The results of this testing is presented to the Franklin WFMC by the Waste Facility.

In 1996 the Franklin WFMC initiated a contract with Environmental Graphics, Inc.; a consultant to analyze the results from the Annual Residential Well Sampling and provide a report summarizing results, recording sampling history, and providing recommendations for the subsequent annual sampling. In 2003, the Franklin WFMC engaged the services of Ruekert Mielke, Inc. to perform the Annual Residential Well Sampling Report Contract for 2003 through 2005. The Franklin WFMC awarded the 2006-Annual Residential Well Sampling Contract to JSA Civil Environmental Engineers, Inc. (JSA). JSA has maintained the contract since 2006.

This year, 2016, the Franklin WFMC again appointed Davy Laboratories¹ to perform the sampling and testing of the 35 wells. Davy had been selected the previous three years, following an open bid process and the previous years sampling protocols were in compliance with the contract between the Franklin WFMC and the Waste Facility.

JSA initiated the 2016 contract by reviewing the findings from the August 22, 2016 testing of the 35 residential wells, sampled on July 16th of 2016. JSA also made the commitment to generate this report, maintain the historic database, and aid the Franklin WFMC in the selection of the 35 residential wells for sampling in 2017.

On November 3, 2016; JSA has completed Tasks 1,2, and 3 of the “Annual Well Sampling Report”, by submitting the Well Sampling Report to the Franklin WFMC. This report includes a Map of Wells Sampled, Table 1- 2016 Residential Well Sampling, Table 2 – Historic Sampling Summary, Table 3 – 2016 Residential Well Samples Exceeding the Federal Secondary Drinking Water Standard, Table 4 – History of Constituents Detected Above LOD. All tables have been sized to fit on standard Letter paper and when applicable are produced in duplex, however Table 2 and the map still require 11”x17” formatting.

¹ Davy Laboratories, 115 Sixth Street, P.O. Box 2076, Lacrosse, WI 54602-2076
Performed sampling and analysis in 2009 thru 2014.

Wells Sampled

In June 2016, JSA made recommendations to the Franklin WFMC for the selection of the 35 residential wells for the 2016 sampling. Wells were selected based on past sampling frequency, most recent sampling, and potential for trend analysis in organic constituents detected; as recommended in the 2015 Annual Residential Well Sampling Report. All wells selected were sampled in 2016. Three (3) new wells were sampled in 2016 all new construction. Well sampling frequency was focused on newer wells and wells that had had limited sampling to date. Sampling this year did include properties adjacent to the WMWI Metro Waste and Recycling Facility both North and South. As the landfill has purchased all properties along 112th Street, there is no opportunity to sample wells adjacent to the facility to the East. Several of the purchased properties are now the location of required Monitoring Wells for current operations and future expansions of the Metro Facility.

The sampling was performed by Davy Laboratories on July 16th of 2016. The locations are marked on MAP 1 of the report, using Tax ID to identify the property that the well is located on. The Well location data is found in Table 1, providing Property Owner, Property Address, and previous sampling date.

Davy sampled only from external locations when possible, with immediate connections to the well. They performed purging (discharging of water from the well for at least two minutes) prior to all sample gathering. Samples were handled and returned to the lab following protocols established by the US EPA for drinking water sampling and testing.

Samples are evaluated in the field and in the laboratory, these are defined as field and analytical results. In the field Davy's technicians record the follow:

- Specific Conductance – electrical conductivity of the sample
 - Contamination by Landfill gas or leachate raises specific conductance
- Odor – a subjective analysis done by the technician
 - The presence of organic materials and/or chemistry can create odors in groundwater.
- pH – acidic/basic analysis of the sample
 - Groundwater, in Wisconsin, is typically neutral to basic; landfill leachate or gas is predominantly acidic and if present in the sample would lower the pH (make more acidic)
- Temperature – recorded in centigrade
 - Groundwater, in Wisconsin, ranges from 50 to 60 degrees depending on depth and recharge rate of the aquifer. The introduction of chemical reactions and organic degradation raises temperatures. Higher than expected temperatures can also be an indication of inadequate purging, which is addressed by re-purging and sampling.
- Turbidity – a measure of the transparency of the sample
 - Turbidity in surface water is an excellent measure of water quality, in groundwater it suggests further testing. It is a very good indicator of the current quality of the well

construction itself.

Field results are water quality indicators that can often be used to identify potential contamination to be discovered in the analytical results. Davy technicians would flag field results that were outside the norm for groundwater in the Franklin, WI area. All the samples were within the normal parameters for the area and in addition were consistent with previous sampling events.

Federal Primary Drinking Water Standards

In 2015 the US EPA updated the Federal Primary Drinking Water Standards Maximum Contaminant Level (MCL) for several constituents that are in the protocols. The majority of these constituents are heavy metals, none of the affected constituents have ever been detected in the Franklin WFMC Annual Residential Well Sampling history.

The 2016 Annual Residential Well Sampling Laboratory Testing yielded no constituents that exceeded the Federal Primary Drinking Water Standards Maximum Contaminant Level (MCL). No wells contained constituents above the identified MCL.

The Wisconsin Department of Natural Resources also maintains a set of parameters for groundwater contaminants. All constituents detected in the Well Sampling are found in NR 140 – Groundwater Quality. The Public Health Groundwater Quality Standards are similar to the Federal Primary Drinking Water standards. No VOC's detected in the Annual 2016 Well Sampling, therefore no samples had constituents that exceeded the Preventative Action Limit (PAL), therefore no constituents that exceeded the Enforcement Standard.

Federal Secondary Drinking Water Standards

The secondary standards act as guide lines for public water systems. Each well that had been previously sampled was compared to its past history. The 2016 Well Samples are predominantly consistent with the Well Sampling history and with the groundwater constituents of Southeastern Wisconsin. However, the sulfate content in the Thiessenhusen well has increased to a point that the owners should be informed that it is potentially unsafe for infant consumption.

Of the constituents measured under the Federal Secondary Drinking Water Standards, Iron (Fe) and Sulfate (SO₄) are detected in excess. Thirteen (13)² wells had Iron concentrations higher than 0.30 milligrams per liter (mg/L) and six (6)³ wells had Sulfate concentrations equal to or greater than 250 mg/L. With the exception of the Acker well, there is no indication to suggest that these concentrations are anything other than naturally occurring and have been consistent over more than 15 years of sampling and testing. The Acker well is at 2.380 mg/L which is a significant reduction over previous samplings. It is probable that the increase in iron is do to an issue with the plumbing between the sampling point and the screen in the well. It is unlikely that the iron content in the Acker well is naturally occurring.

In past years of sampling many wells had Sulfate concentrations above 250 mg/L; the majority of these wells are now owned by the landfill or are outside of the defined sampling

2 See Table 3 Results Fe+

3 See Table 3 Results SO₄

area. The Thiessenhusen well has doubled the sulfate concentration, as recorded in previous samples. This can be the result of rock fracture (new wells) in the area or simply leaching of the current subsurface materials, without the detection of contaminants there is no reason to suggest that the sulfate is not naturally occurring. The high sulfate content should have an impact on the taste of the water and can potentially cause diarrhea (can cause dehydration in infants). JSA recommends re-sampling of the well to see if the concentration was a unique occurrence or a consistent parameter.

Trending

The 2016 Well Sampling results, consistent with the 2016 results, continue to support that there is no current trending with respect to Federal Primary Drinking Water Standards. The only well in the 2016 sampling event that had a past detection, was the Thiessenhusen well in 2012. The well had been “cleaned” earlier in that year and the constituent's presence was believed to be a byproduct of inaccurate chlorination. The previous history of the well, which was first sampled in 1999 and last sampled in 2015 is without detects; supporting the assumption that the detected chloroform was from improper well management and not another source.

With respect to the Federal Secondary Drinking Water Standards, trending is recorded throughout the history of the Annual Residential Well Sampling Reports. Both Iron and Sulfate are tracked in every report. Wells that have a history of sulfate in excess of the Secondary Drinking Water Standards do not show deviation in greater than 20%, trending is negative; or concentrations decrease each sampling event; which is expected. This trend in Sulfate is not accurate with respect to the Thiessenhusen well, which increase in Sulfate has gone up since first detected in 2013 is now double its 2015 level. This deviation is inconsistent with all other well results. Iron trending is similarly negative even in the Acker well; iron not only occurs in subsurface conditions (soil and groundwater), but is also an indicator of unique well health, and site plumbing. To date higher than expected iron concentrations have been attributed to site plumbing and corrected with plumbing or well repairs.

Conclusions

The 2016 Well Sampling Laboratory Results yielded no exceedance of the established MCLs for all constituents. This is what should be expected in a sampling event and is most probably an example of improved well protection by well owners and improvements in the technology and protocols of sampling and testing.

The subject wells sampled were consistent with historic sampling results with respect to The US EPA Secondary Drinking Water Standards, exceedance was found in Iron and Sulfate concentrations; but do not pose a threat to public health. However, the owners of the Acker well should have their plumbing systems evaluated by a professional to see if repairs are required; and the owners of the Thiessenhusen well should have their well re-sampled and consider water treatment for the high sulfate concentrations.

Recommendations

JSA recommends that sampling for the 2017 report be focused on new wells and wells with close proximity to the landfill. When Waste Management purchases residences about the landfill, the associated wells are removed from the Annual Well Sampling Program and

sampling adjacent to the landfill occurs less frequently. Wells along 92nd Street should be viewed as “adjacent” to the Facility and a focus for future sampling.

JSA recommends that the Thiessenhusen well be sampled in 2017 and any wells that are available adjacent to them.

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Table 1 2016 Residential Well Sampling

<u>Tax ID</u>	<u>Owner</u>	<u>Street</u>	<u>City</u>	<u>Zip</u>	<u>Site #</u>	<u>Prev Sample</u>
936.9996.000	Pauline/Donald Acker	10023 S. 92 St.	Franklin	53132	1	2015
985.9996.000	Dorothy Acker	8731 8 Mile Rd.	Franksville	53126	2	2014
939.9996.002	James Bonney	10146 S. 124 Street	Franklin	53132	3	2008
010.04.20.01.026.000	Richard Bruhn	21204 7 Mile Rd	Franklin	53132	4	2013
012.04.21.06.043.000	John Buncich	11210 W 7 Mile Rd	Franksville	53126	5	2013
935.9995.000	Lisa Cherek & James Rybacki	8850 W Bosch Lane	Franklin	53132	6	2012
892.9991.000	Robert Diedrich	11111 W Ryan Rd	Franklin	53132	7	2011
012.04.21.05.021.006	Joseph Gellings	642 S 108 St	Franksville	53132	8	2013
985-9995-001	Mark Hagert	10820 S 92 St.	Franklin	53132	9	2008
938.9999.006	Jenny & Steve Heckler	10810 Oakwood Rd.	Franklin	53132	10	2013
120.42.10.60.210.000	Ronald Heritz	538 Raynor Ave.	Franksville	53126	11	2013
012.04.21.06.007.000	Donald Kochnowich	107 108 St	Franksville	53126	12	2015
938.9999.004	Adeline & Helmut Kopp	10944 W Oakwood Rd.	Franklin	53132	13	2013
944.9995.000	Joanne Jarocki/Alan Kleman	10474 S 92 St	Franklin	53132	14	2013
944.9996.000	Joanne Jarocki/Alan Kleman	10456 S 92 St	Franklin	53132	15	2014
012.04.21.06.059.000	Jessica/Jerry Krause	627 Shirley Dr	Franksville	53150	16	2014
934.9997.000	Edd Konopka	7930 Oakwood Rd	Franklin	53132	17	New Well
12.04.21.06.040.000	Pamela/Michael Lewis	11600 W. 7 Mile Rd	Franksville	53126	18	2013
012.04.21.06.035.000	Preston Ludtke	11230 W. 7 Mile Rd.	Franksville	53132	19	2012
943-9997-004	Deborah Martinezdelactea	9329 W Oakwood Rd	Franklin	53132	20	2009
936.9995.000	Dave Mudgett	9911 S 92 St.	Franklin	53132	21	2013
012.04.21.05.010.000	Clyde & Barb Perdzock	9223 8 Mile Rd.	Franksville	53132	22	2014
935-9994-002	Elroy Rynders	8600 W Oakwood Rd	Franklin	53132	23	2013
943.9997.010	William Schittinger	10341 S.92 St.	Franklin	53132	24	2015
944.9998.000	Francis & Mary Stich	10630 S. 92 St	Franklin	53132	25	2014
012.04.21.05.019.000	William/Susie Seager	10639 Cty Line Rd	Franksville	53132	26	2013
012.04.21.06.013.000	Kim/Paul Thiessenhusen	8916 Raynor Ave	Franksville	53132	27	1996
894.9998.000	Leo/Allyson Tundo	9645 W Ryan Rd	Franklin	53132	28	New Well
012.04.21.06.019.000	Ronald Vanden Boom	524 Raynor Ave.	Franksville	53132	29	2012
012.04.21.05.005.000	Ludwig Vretenar	301 92 St.	Franksville	53132	30	2015
015.04.21.06.002.000	Randall Welch	359 S 108 St.	Franksville	53126	31	2012
012.04.21.06.046.000	Gregory/Jane Worman	499 & 501 Adeline Dr	Franksville	53132	32	2014
944.9997.000	Loretta A. Wulf	10578 S. 92 St.	Franklin	53132	33	2014
899.9990.056	Joanne Zolecki	11736 W Loomis Rd	Franklin	53132	34	New Well
012.04.21.07.017.000	Steven Zirzow	11757 W 7 Mile Rd	Franksville	53126	35	2013

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Table 2 Historical Sampling Summary

WELL ID	Owner(s)	Well Address	City, State Zip	Taxkey Id	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1	Harold Abramowski	8808 Raynor Avenue	Franksville, WI 53126	010.04.20.01.031.000	X						X		X		X			X										
2	Don Adams	10307 W. Oakwood Rd.	Franklin, WI 53132	942.9997.000	X																							
3	Albert H & Gwen Schill	10942 S. 124th St.	Franklin, WI 53132	989.9998.003	X	X											X					X				X		
4	Gregory D. & Betty A. Solfest	11920 7 Mile Rd.	Caledonia, WI 53108	012.04.21.06.027.000	X						X		X		X			X										
5	Joseph & Nancy Bedalov	11403 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.011.000	X				X		X			X				X			X			X				
6	Jeffrey & Penny Hill	654 Adeline Dr.	Franksville, WI 53126	012.04.21.06.044.000	X																							
7	Preston Ludtke & Jane Riehle	11230 7 Mile Rd.	Franksville, WI 53126	012.04.21.06.035.000	X		X				X			X			X				X			X				X
8	Kurt L. & Sharon L. Block JR	11417 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.010.000	X						X			X		X				X	X				X	X		
9	Kim R. Borchardt	11316 7 Mile Road	Franksville, WI 53126	012.04.21.06.034.000	X																							
10	Audrey Bosch	10923 7 Mile Rd.	Hales Corners, WI 53130	012.04.21.07.001.000	X						X					X												
12	Richard S. & Mardell A. Bruhn	21204 7 Mile Rd.	Franksville, WI 53126	010.04.20.01.026.000	X								X				X			X	X				X			X
13	Doris Carriveau	216.218 Highway 45	Franksville, WI 53126	012.04.21.06.010.020	X			X			X		X		X			X			X			X		X		
14	Gilbert Couillard	10568 S. 124th St.	Franklin, WI 53132	940.9997.000	X					X	X		X		X			X				X						
15	Stever/Liles	8122 Raynor Ave.	Franksville, WI 53126	012.04.21.06.024.000	X						X	X				X									X			
16	Ronald J. Plevak	21719 8 Mile Rd.	Palmyra, WI 53156	010.04.20.01.001.000	X			X			X																	
17	Dorothy S. Diekow	460 S. 124th St.	Franksville, WI 53126	012.04.21.06.006.000	X					X						X				X								
18	Dale M. & Teri L. Drought	21510 7 Mile Rd.	Franksville, WI 53126	010.04.20.01.016.000	X																							
19	Le Roy & Ardith A. Revolinski	21016 7 Mile Rd.	Franksville, WI 53126	012.04.21.06.028.000	X				X		X		X	X											X			
20	Ronald Latus	10422 S. 112th St.	Franklin, WI 53132	941.9985.000	X			X					X		X					X								
21	Dean R. Storm	11431 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.004.000	X																							
22	Rosemarie Frey	10668 S. 112th St.	Franklin, WI 53132	988.9998.000	X																							
23	Eve Parsons	8108 Raynor Ave.	Franksville, WI 53126	010.04.20.01.027.000	X															X					X			
24	Alan J. Gellings Trust	223 S. 108th St.	Franksville, WI 53126	012.04.21.06.008.000	X					X				X		X		X										
25	Arlen C. Gellings	239 S. 108th St.	Franksville, WI 53126	012.04.21.06.003.000	X					X	X			X		X				X			X				X	
26	Joseph G. & Diana L. Gellings	10346 7 Mile Rd.	Franksville, WI 53126	012.04.21.05.021.000	X								X			X									X		X	
27	Tom E. & Lisa M. Harris	449 Adeline Dr.	Franksville, WI 53126	012.04.21.06.031.000	X				X		X		X			X						X				X		
28	Adrine B. Hebron Trust	1243 S. 108th St.	Franksville, WI 53126	012.04.21.07.002.000	X												X				X							
29	Jon & Sheila J. Colby	1331 S. 108th St.	Franksville, WI 53126	012.04.21.07.046.000	X															X								
30	Jack D. & Kathleen A. Hintz	8832 Raynor Ave.	Franksville, WI 53126	010.04.20.01.004.000	X												X											
32	Harold Jordan	9801 W. Oakwood Rd.	Franklin, WI 53132	943.9999.000	X																							
33	Jeffrey D. JR & Penny S. Hill	623.625 Adeline Dr.	Franksville, WI 53126	012.04.21.06.047.000	X					X	X																	
33	Deanna M. Chiapete	11287 7 1/8 Mile Rd.	Franksville WI 53126	012.04.21.06.057.000														X	X		X					X		
34	Dennis Karthausser	10667 S. 112th St.	Franklin, WI 53132	941.9999.000	X																							
35	Robert J. & Jill A. Janikowski	11567 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.016.000	X					X	X	X	X		X						X				X			
36	Joseph & Joyce L. Knox	11536 7 Mile Rd.	Franksville, WI 53126	012.04.21.06.036.000	X																X							
37	Waste Management	319 S. 108th St.	Chicago, IL 60690.1450	012.04.21.06.001.000	X																							
38	Donald Lange	10905 W. Oakwood Rd.	Franklin, WI 53132	941.9983.000	X						X		X			X							X			X		
39	Ralph Losey	10520 S.112th St.	Franklin, WI 53132	941.9996.000	X				X		X	X								X		X						
40	Steven Zirzow	11757 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.017.000	X				X							X								X	X			X
41	Eugene Masconi	10530 S. 112th St.	Franklin, WI 53132	941.9997.000	X			X																				
42	Don Mateicka Sr.	560 Shirley Dr.	Franksville, WI 53126	012.04.21.06.054.000	X			X		X	X	X	X		X				X				X		X			
43	Ruben & Deborah Martinez	9329 W. Oakwood Rd.	Franklin, WI 53132	943.9997.004	X					X				X							X							X
44	Frank J. & Aloys J. Mente	8502 Raynor Ave.	Franksville, WI 53126	010.04.20.01.020.000	X				X			X									X			X				
45	Jerome & Marilyn Metz	11407 Shirley Ct.	Franksville, WI 53126	012.04.21.06.064.000	X								X					X			X		X		X			

WELL ID	Owner(s)	Well Address	City, State Zip	Taxkey Id	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
46	Gary F. Fleming & Christine R. Bitter	603 Adeline Dr.	Franksville, WI 53126	012.04.21.06.048.000	X			X			X					X	X											
48	Marylin Miller	610.612 Adeline Dr.	Franksville, WI 53126	012.04.21.06.066.000	X					X	X	X			X			X			X			X		X		
49	Sanford & Kathleen Olson Trust	11308 7 Mile Rd.	Franksville, WI 53126	012.04.21.06.037.000	X						X	X				X												
50	Michael Penn	11735 W. Oakwood Rd.	Hales Corners, WI 53130	940.9989.000	X						X			X		X		X	X	X								
51	John Perkovich	10386 S. 124th St.	Franklin, WI 53132	940.9994.000	X									X														
53	Dennis & Judith Sanford	8606 Raynor Ave.	Franksville, WI 53126	010.04.20.01.013.000	X					X	X				X			X	X	X			X					
54	Schaefer Family Living Trust	21224 7 Mile Rd.	Franksville, WI 53126	010.04.20.01.017.002	X													X										
55	Elfriede Schemeit Trust	461 Adeline Dr.	Franksville, WI 53126	012.04.21.06.041.000	X						X			X														
56	Michael N. & Pamela K. Lewis	11600 7 Mile Rd.	Franksville, WI 53126	012.04.21.06.040.000	X						X							X			X			X			X	
57	Greg Schrubbe	741 S. 108th St.	Franksville, WI 53126	012.04.21.06.069.000	X																							
58	Personally Yours Senior Living	12115 7 Mile Rd.	Waterford, WI 53185	012.04.21.07.014.000	X																							
59	Robert Schweitzer	10555 S. 92nd St.	Franklin, WI 53132	943.9997.007	X				X		X		X			X												
60	Timothy Smith	9209 W. Oakwood Rd.	Franklin, WI 53132	943.9996.001	X					X	X				X			X				X				X		
61	Charles Sobbe	707 Adeline Dr.	Franksville, WI 53126	012.04.21.06.045.000	X																							
62	John Stroud	702 Highway 45	Franksville, WI 53126	012.04.21.06.030.000	X								X			X							X		X			
63	Joseph D. & Doreen A. Langfeldt	880 Adeline Dr.	Franksville, WI 53126	012.04.21.06.038.000	X		X				X	X				X												
64	Michael Theys	10509 8 Mile Rd.	Franksville, WI 53126	012.04.21.05.016.000	X						X					X				X								
65	Gary VandenBoom	11507 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.005.000	X						X			X					X				X	X		X		
66	Carol Welch	359 S. 108th St.	Franksville, WI 53126	012.04.21.06.002.000	X				X		X	X				X					X			X			X	
67	Gregory Worman	499.501 Adeline Dr.	Greenfield, WI 53228	012.04.21.06.046.000	X			X			X				X			X							X		X	
68	Bill Zamecnik	10614 7 Mile Rd.	Franksville, WI 53126	012.04.21.05.022.000	X						X	X		X			X				X		X			X		
69	Faro R & Florence Balisteri	10623 W. Oakwood Rd.	Franklin, WI 53132	942.9998.000		X					X	X			X													
70	Frederick R. Gaffney	8820 Raynor Ave.	Oak Creek, WI 53154	010.04.20.01.005.000		X		X			X												X					
71	Joseph G. & Diana L. Gellings	642 S. 108th St.	Franksville, WI 53126	012.04.21.06.068.000		X							X											X			X	
72	Steve Bodi & Nanette Carlson	11207 W. 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.008.000		X		X										X										
73	Ronald R. Heritz	538 Raynor Ave.	Franksville, WI 53126	012.04.21.06.021.000		X				X				X			X				X			X			X	
74	Jeffrey & Penny Hill	653 Adeline Dr.	Franksville, WI 53126	012.04.21.06.044.000		X				X							X				X							
75	Kim Williams & Paul Thiessenhusen	326 S. 124th St.	Franksville, WI 53126	012.04.21.06.013.000		X																X		X				
76	Kenneth & Mary Schingeck	11765 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.019.000		X				X				X			X				X			X			X	
77	Brian E. & Lana M. VanScoy	642 Raynor Ave.	Franksville, WI 53126	012.04.21.06.017.000		X																				X		
78	Ronald VandenBoom	524 Raynor Ave.	Franksville, WI 53126	012.04.21.06.019.000		X	X						X	X			X	X			X	X		X			X	
80	Wayne Ziemer	11400 7 Mile Rd.	Franksville, WI 53126	012.04.21.06.032.000		X	X					X	X		X		X											
81	Dale/Linda Meyer	660 Adeline Dr.	Franksville, WI 53126	012.04.21.06.060.000			X			X							X							X		X		
82	Norm/Laura Swenson	11285 Shirley Dr.	Franksville, WI 53126	012.04.21.06.055.000			X			X				X	X					X								
83	William Schittinger	10341 S. 92nd St.	Franklin, WI 53132	943.9997.010			X			X				X		X					X			X		X	X	
84	Amalia Weber	10632 S. 112th St.	Franksville, WI 53126	941.9998.000			X																					
85	Jeffrey & Penny Hill	651 Adeline Dr.	Franksville, WI 53126	012.04.21.06.044.000			X									X												
86	Kim Williams & Paul Thiessenhusen	326 S. 124th St.	Franksville, WI 53126	012.04.21.06.013.000			X			X					X			X					X					
87	Blanche Meyers	8916 Raynor Ave.	Franksville, WI 53126	010.04.20.01.003.000				X																			X	
88	Frank Nowag	580 Shirley Dr.	Franksville, WI 53126	012.04.21.06.042.010					X					X		X	X					X						
89	Lisa Gardner	664 Shirley Dr.	Franksville, WI 53126	012.04.21.06.042.000					X				X															
90	Ronald J. Plevak	S98 W12712 Loomis Rd.	Palmyra, WI 53156	010.04.20.01.001.000							X																	
91	Roger Berndt	12320 W. Oakwood Rd.	Franklin, WI 53132	939.9996.006							X	X				X					X		X			X		
92	James Bonney	10146 S. 124th St.	Franklin, WI 53132	939.9996.002							X									X							X	
93	John T. Bunich	11210 W. 7 Mile Rd.	Franksville, WI 53126	012.04.21.06.043.000	X				X		X		X			X				X		X		X			X	
94	James Drzewiecki	10780 S. 92nd St.	Franklin, WI 53132	985.9994.002							X	X			X		X					X						
95	William K & Rose Hinkel	9612 W. Oakwood Rd.	Franklin, WI 53132	936.9997.000							X	X	X		X					X			X			X		
97	Norbert & Susan Kita	10728 S. 92nd St.	Franklin, WI 53132	985.9993.003							X	X	X						X				X			X		
98	Craig & Sheryl Comp	10944 W. Oakwood Rd.	Franklin, WI 53132	938.9997.000							X		X				X		X					X			X	
100	Anthony H. & Jane A. Mathews	11523 W. 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.006.000							X				X									X				

WELL ID	Owner(s)	Well Address	City, State Zip	Taxkey Id	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
101	Mayer, S	11100 W. Oakwood Rd.	Franklin, WI 53132	938.9999.009							X			X		X												
102	Clyde\Barb Perdsock	9223 8 Mile Rd.	Franksville, WI 53126	012.04.21.05.002.000							X	X		X			X	X	X	X	X			X	X		X	
103	Charles H jr Presser	11100 W Oakwood Rd.	Franklin, WI 53132	938.9998.000							X					X		X		X		X				X		
104	Todd Sarenac	9355 County Line Rd.	Milwaukee, WI 53219	012.04.21.05.009.000							X																	
105	Michael Sinda	10126 7 Mile Rd.	Franksville, WI 53126	012.04.21.05.024.000							X					X				X		X				X		
106	William Soliwoda	239 S. 92nd St.	Franksville, WI 53126	012.04.21.05.003.000							X																	
107	Francis Stich	10630 S. 92nd St.	Franklin, WI 53132	944.9998.000							X	X				X			X		X				X		X	
108	William Theys	312 S. 108th St.	Franklin, WI 53132								X			X														
109	Ludwig Vretenar	301 S. 92nd St.	Franksville, WI 53126	012.04.21.05.005.000							X			X	X		X			X		X		X		X	X	
110	Helmut & Adeline Kopp	10944 W. Oakwood Rd.	Franklin, WI 53132	938.9999.004							X	X		X				X	X	X	X	X	X	X				
111	Donald & W Woelbing	8910 W. Bosch Ln.	Franklin, WI 53132	935.9995.000							X			X				X	X				X				X	
112	Marvin Wolff	8400 W. Oakwood Rd.	Franklin, WI 53132	934.9999.002							X			X			X					X	X	X		X		
113	Waste Management	10712 S. 124th St.	Chicago, IL 60690.1450	010.04.20.01.002.000																								
114	Elroy & W Rynders	8600 W Oakwood Rd.	Franklin, WI 53132	935.9994.002								X		X			X			X				X			X	
115	Thomas & Chris Gaulke	8674 W. Oakwood Rd.	Franklin, WI 53132	935.9994.004												X		X				X			X			
116	Donald & Paulene Acker	10023 S. 92nd St.	Franklin, WI 53132	936.9996.000										X			X					X	X		X	X	X	
118	Evelyn Acker	8820 W. County Line Rd.	Franksville, WI 53126	985.9997.001								X						X		X								
119	Wayne F. & Diane M. Anderson	11761 W. 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.018.000								X		X		X					X					X		
121	Doreen Hinkel	9808 W. Oakwood Road	Franklin, WI 53132	936.9998.003														X										
125	Joseph & Sandra Blazek	11530 W. 7 Mile Rd.	Franksville, WI 53126	012.04.21.06.059.016								X		X			X		X			X			X			
126	Erwin & Vir. Revoc Trust Bosch	8830 W. Oakwood Rd.	Franklin, WI 53132	944.9994.000																								
127	Edwin & Vir. Bosch	8830 W. Oakwood Rd.	Franklin, WI 53132	935.9999.006	X										X			X										
129	Vincent Carriveau	216 Highway 45	Franksville, WI 53126	012.04.21.06.010.010													X				X		X				X	
131	Frank & Rafaela Rodriguez	10653 S. 76th St.	Franklin, WI 53132	945.9999.000												X											X	
131	Edward C. Drewitz Trust	219 92nd St.	Franksville, WI 53126	012.04.21.05.007.000											X													
134	Robert F. & Victoria M. Foulston	444 Adeline Dr.	Franksville, WI 53126	012.04.21.06.065.000											X								X	X				
135	Scott S. & Diana Fredrickson	8432 W. County Line Rd.	Franksville, WI 53126	985.9999.000								X		X				X	X				X			X		
138	Ruth M. Grandlich	11722 W. Oakwood Rd.	Franklin, WI 53132	939.9999.000								X					X		X			X		X		X		
140	Shirley Haasch	6614 Channel Rd.	Waterford, WI 53185	012.04.21.06.042.000								X					X											
141	Diane & Kay Hackstein	626.628 Adeline Dr.	Franksville, WI 53126	012.04.21.06.062.000										X				X	X			X			X			
142	Mark W. Hagert	10820 S. 92nd St.	Franklin, WI 53132	985.9995.001									X				X		X								X	
146	William A. & Susie L. Seager	10639 W. 8 Mile Rd.	Franksville, WI 53126	012.04.21.05.019.000									X				X		X		X	X		X		X		
147	Howard W. & Rebecca S. Kietzke	11307 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.007.000											X			X	X		X							
149	Charles B. Arnold & Cheryl A. Haynes	9375 W. 8 Mile Rd.	Franksville, WI 53126	012.04.21.05.010.000								X		X			X	X	X									
155	Donald L. & Susan M. Kochnowicz	231 108th St.	Oak Creek, WI 53154	012.04.21.06.007.000											X		X	X			X	X			X		X	
165	Robert & Rachel Millin	12026 W. Oakwood Rd.	Franklin, WI 53132	939.9996.005									X		X		X	X				X			X			
167	Joanne R. & Coblentz Robert M. Pawluk	10122 W. County Line Rd.	Franksville, WI 53126	987.9997.002													X					X		X				
177	Jerry A. & Jessica J. Krause	627 Shirley Dr.	Franksville, WI 53126	012.04.21.06.059.004													X		X				X		X		X	
181	Branden Sumiejski	10830 W. Oakwood Rd.	Franklin, WI 53132	938.9999.005								X	X						X			X			X			
182	James J. & Cheryl A. Bayer	1030 Silvermist Ct.	Franksville, WI 53126	012.04.21.06.012.100													X					X						
186	Loretta A. Gebel Wulf	10578 S. 92nd St.	Franklin, WI 53132	944.9997.000								X				X		X	X		X				X		X	
191	Dave Mudgett	9911 S. 92nd St.	Franklin, WI 53132	936.9995.000								X	X				X				X			X			X	
192	Greg Schrubbe	663 108th St.	Franksville, WI 53126	012.04.21.06.069.000								X																
195	Michael Zolecki	11835 W. Ryan Rd	Franklin, WI 53132	891.9989.003															X		X				X			
201	Colleen Domask & Steve Vallee	11808 W. Loomis Rd.	Franklin, WI 53132	891.9992.000														X				X	X			X		
214	Robert Deidrich	11111 W. Ryan Rd.	Franklin, WI 53132	892.9991.000															X		X	X					X	
229	Theodore Ignasiak	9880 S. 112th Street	Franklin, WI 53132	893.9999.000									X			X			X		X		X					
230	Gregory T. Weber	9865 S 92nd ST	Franklin, WI 53132	894.9997.001									X						X		X		X			X		
288	James & Delores Acker	10563 S. 27th Street	Franklin, WI 53132	951.9996.007															X									
294	James Bayer	272 Raynor Avenue	Franksville WI 53126	012.04.21.06.012.100														X	X					X		X		

**Franklin Waste Facility Monitoring Committee
2016 Well Monitoring Report**

Table 3 2016 Residential Well Samples Exceeding the Federal Secondary Drinking Water Standards

<u>Tax ID</u>	<u>Owner</u>	<u>Site #</u>	<u>Results Fe+</u>		<u>Results SO4</u>	
			<u>Iron</u> (mg/L)	<u>MCL</u>	<u>Sulfate</u> (mg/L)	<u>MCL</u>
985.9996.000	Dorothy Acker	2	2.380	0.300		
939.9996.002	James Bonney	3	0.424	0.300		
935.9995.000	Lisa Cherek & James Rybacki	6	0.526	0.300		
892 9991.000	Robert Diedrich	7	0.346	0.300		
012.04.21.05.021.006	Joseph Gellings	8			253	250
120.42.10.60.210.000	Ronald Heritz	11	0.579	0.300		
012.04.21.06.007.000	Donald Kochnowich	12	0.410	0.300		
012.04.21.06.059.000	Jessica/Jerry Krause	16	0.366	0.300		
012.04.21.06.035.000	Preston Ludtke	19	0.302	0.300		
012.04.21.05.010.000	Clyde & Barb Perdzock	22			284	250
012.04.21.05.019.000	William/Susie Seager	26	0.553	0.300	253	250
012.04.21.06.013.000	Kim/Paul Thiessenhusen	27	0.405	0.300	614	250
894.9998.000	Leo/Allyson Tundo	28	0.408	0.300		
012.04.21.06.019.000	Ronald Vanden Boom	29	0.418	0.300		
012.04.21.05.005.000	Ludwig Vretenar	30			414	250
012.04.21.06.046.000	Gregory/Jane Worman	32			281	250
012.04.21.07.017.000	Steven Zirzow	35	0.355	0.300		

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**Franklin Waste Facility Monitoring Committee
2014 Well Monitoring Report**

Table 4 Historic Residential Well Samples Exceeding Constituent LOD

Legend

<u>Formula</u>	<u>Compound Name</u>	<u>Use or History</u>
Fe	Fe	Secondary Drinking Water Standard in exceedance
SO ₄	SO4	Secondary Drinking Water Standard in exceedance
CCl ₂ F ₂	Dichlorodifluoromethane	A CFC known as R-12 and a spray propellant
C ₆ H ₅ CH ₃	Toluene	Commonly used solvent
TCE	Trichloroethylene	Commonly used solvent
CHCl ₃	Chloroform	Commonly a product of improper chlorination
CHBrCl ₂	Bromodichloromethane	Commonly a product of improper chlorination
CHBr ₂ Cl	Chlorodibromomethane	Commonly a product of improper chlorination
CH ₃ Cl	Chloromethane	Commonly known as R-40, also known as methyl chloride
C ₈ H ₁₀	Orthoxylene	Known as o-xylene, used in polymerizations and as a solvent
C ₉ H ₁₂	1,2,4Trimethylbenzene	Occurs in coal tar, petroleum, often by product of combustion
C ₈ H ₈	Styrene	Commonly used in the production of polymers and resins
CH ₃ CCl ₃	1,1,1 Trichloroethane	Commonly used as a solvent

** Above the LOQ

2015 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	<u>Fe</u> (mg/L)	<u>SO₄</u> (mg/L)
936.9996.000	Anderson	0.326	
939.9996.006	Berndt	0.301	
935.9999.006	Bosels	0.303	
985.9999.000	Fredrickson	0.472	
012.04.21.06.003.000	Gellings	0.459	
939.9999.000	Grandlich	0.392	
942.0002.000	Liebl	0.509	
939.9995.000	Machulak	0.373	
893.9996.000	Scheltner	0.382	
012.04.21.06.013.000	Thiessenhusen	0.389	303
012.04.21.07.005.000	Vanden Boom	0.398	
892.9994.000	Magarich	0.397	

** Above the LOQ

2014 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	<u>Fe</u> (mg/L)	<u>SO₄</u> (mg/L)
985.9997.003	Acker	3.190	
012.04.21.07.010.000	Block	0.325	
012.04.21.06.010.020	Carriveau	0.331	
012.04.21.06.062.000	Hackstein		335
941.9983.000	Lange	1.140	
892.9994.000	Magarich	0.366	
012.04.21.06.054.000	Mateicka, Sr.		357
939.9995.000	Machulak	0.483	
012.04.21.06.064.000	Metz	0.647	
939.9996.005	Millin	0.450	
938.9989.000	Schaefer	0.332	
012.04.21.06.045.000	Sobbe	0.301	
938.9999.005	Sumiejski	0.352	
012.04.21.06.025.000	Eperen	0.325	
012.04.21.06.046.000	Worman		264
012.04.21.07.017.000	Zirzow		
891.9989.003	Zolecki		
938.9999.006	Heckler		
012.04.21.06.057.000	Chiapete		252

** Above the LOQ

2013 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	C₆H₅CH₃ (mg/L)	TCE (mg/L)
987.9997.002	Coblentz		340			
012.04.21.06.068.000	Gellings				0.787	
938.9999.006	Heckler			9.89		
010.04.20.01.020.000	Mente	0.467				
012.04.21.05.002.000	Perdzeck		250		0.484	
012.04.21.06.028.000	Revolinski	0.491				
012.04.21.05.019.000	Seager	0.324		0.825		
012.04.21.06.013.000	Thiessenhusen	0.329				
935.9994.006	Wolff	0.445				0.233
899.9990.052	Woelbing	0.331				
012.04.21.07.017.000	Zirzow	0.637				

** Above the LOQ

2012 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	<u>Fe</u> (mg/L)	<u>SO₄</u> (mg/L)	<u>CHCl₃</u> (mg/L)
985.9996.000	Acker	3.120		
012.04.21.07.011.000	Bedalov	0.331		
939.9996.006	Berndt	0.356		
012.04.21.06.010.020	Carriveau	0.303	275	
891.9992.000	Domask			
012.04.21.06.065.000	Foulston			
985.9999.000	Fredrickson	0.535	310	
939.9999.000	Grandlich	0.392		
934.9998.001	Holterman			
893.9999.000	Ignasiak			
942.0004.000	Kraus			
938.9999.004	Kopp			0.358
012.04.21.06.059.004	Krause	0.416		
938.9988.008	Langenohl			
942.0002.000	Liebl			
012.04.21.06.035.000	Ludtke			
892.9994.000	Magarich	0.464		
012.04.21.06.066.000	Mateicka, Jr		283	
012.04.21.06.066.000	Olson	0.360	274	
935.9999.002	Pasniak	0.507		
938.9989.000	Schaefer	0.328		
012.04.21.07.019.000	Schingeck			
943.9997.010	Schittinger			
012.04.21.06.013.000	Thiessenhusen	0.324		1.16
987.9997.003	Thompson	0.357		0.488
012.04.21.07.005.000	Vanden Boom	0.302		
012.04.21.06.019.000	Vanden Boom	0.517		
012.04.21.05.005.000	Vretenar		365	
894.9997.001	Weber	0.531		

** Above the LOQ

2012 Residential Well Samples Exceeding Constituent LOD – Cont.

<u>Tax ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CHCl₃ (mg/L)
012.04.21.06.002.000	Welch			
899.9990.052	Woelbing	1.120		
935.9994.006	Wolff	0.378		

2011 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	CHBrCl₂ (mg/L)	CHCl₃ (mg/L)	CHBr₂Cl (mg/L)
985.9996.000	Acker	3.47					1.00
012.04.21.06.059.016	Blazek		251				
012.04.21.06.010.010	Carriveau		279				
987.9997.002	Coblentz		325				
892.9991.000	Diedrich	0.31				2.02	
891.9992.000	Domask	0.805			3.26		
935.9994.004	Gaulke	0.314					
012.04.21.06.062.000	Hackstein		346				
938.9999.006	Hagert	0.791					
938.9999.006	Heckler			5.43**			1
888.9998.001	Ioder	0.319					
892.9994.000	Magarich	0.526	350				
012.04.21.06.064.000	Metz	0.375					
938.9998.000	Presser	0.445					
012.04.21.05.019.000	Seager		262	1.82**			
012.04.21.06.030.000	Stroud	0.47					
012.04.21.07.005.000	Vanden Boom	0.44					
012.04.21.05.022.000	Zamecnik	4.96					

** Above the LOQ

2010 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)
012.04.21.07.018.000	119	Anderson	0.488		
940.9997.000	14	Couillard	0.59		
939.9999.000	138	Grandlich	0.31		
012.04.21.06.007.000	155	Kochnowicz	0.93		
941.9983.000	38	Lange	0.668		
941.9996.000	39	Losey	1.43		
892.9994.000	814	Magarich	0.37		
010.04.20.01.020.000	43	Mente	0.714		
939.9996.005	165	Millin	0.546		
012.04.21.06.042.010	88	Nowag	0.326		
012.04.21.05.013.000	815	Schultz		318	
012.04.21.05.019.000	146	Seager	0.548		0.62**
012.04.21.06.025.000	807	Eperen	0.343		
012.04.21.06.019.000	78	Vandenboom	0.474		

** Above the LOQ

2009 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CHBrCl₂ (mg/L)	CHCl₃ (mg/L)
012.04.21.06.036.000	36	Knox			0.05	0.2
012.04.21.05.010.000	5	Bedalov	0.564			
012.04.21.07.010.000	8	Block	0.367			
012.04.21.06.043.000	93	Bunich	0.664			
012.04.21.06.010.020	13	Carriveau	0.31	255		
985.9999.000	135	Fredrickson	0.632	299		
012.04.21.06.021.000	73	Heritz	0.43			
012.04.21.06.057.000	809	Jorgenson	0.332			
012.04.21.06.036.000	36	Knox	1.87			
012.04.21.05.013.000	815	Knutsen		320		
012.04.21.06.064.000	45	Metz	0.427			
012.04.21.06.066.000	48	Olson	0.532	292		
012.04.21.05.002.000	102	Perdzeck	0.33			
938.9998.000	103	Presser	0.58			
935.9998.000	114	Rynders	0.43			
012.04.21.05.024.000	105	Sinda		277		
012.04.21.07.019.000	76	Schingeck	0.40			
012.04.21.06.019.000	78	VandenBoom	0.363			
012.04.21.05.005.000	109	Vretenar		364		
012.04.21.06.002.000	66	Welch	0.332			
012.04.21.05.022.000	680	Zamecnik	7.68			

** Above the LOQ

2008 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	CH₃Cl (mg/L)	C₆H₅CH₃ (mg/L)
985.9997.001	118	Acker	0.46				
012.04.21.05.012.010	149	Arnold		350			
012.04.21.06.059	125	Blazek		260			
012.04.21.07.010	8	Block	0.35	260			
939.9996.002	92	Bonney	0.33				
938.9999.004	110	Kopp			0.21		
985.9999.000	135	Fredrickson	0.69	340			
012.04.21.06.003	25	Gellings	0.39	290			
012.04.21.06.062.000	141	Hackstein		350			
941.9996.000	39	Losey	0.42				
012.04.21.06.058	810	Mateika		340			
010.04.20.01.027	23	Parsons	0.51				
940.9989.000	50	Penn					0.36
012.04.21.05.002	102	Perdzock		280	0.28		
010.04.20.01.013	53	Sanford	0.35				
012.04.21.05.019	146	Seager	0.48	250	0.84		
938.9999.005	181	Sumiejski	0.48				
012.04.21.05.016	64	Theys/Wilke		260			
012.04.21.06.025	807	Van Eperen	0.54				
944.9996.000	778	Vogt/Stieff	0.33			6.40**	
935.9995.000	111	Woelbing	1.40				
012.04.21.05.022.000	680	Zamecnik	7.68				

** Above the LOQ

2007 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	C₈H₈ (mg/L)	C₆H₅CH₃ (mg/L)
012.04.21.06.012.100	294	Bayer	0.42	250			
938.9997.000	98	Comp	0.31				
939.9999.000	138	Grandlich	0.93				
012.04.21.06.062.000	141	Hackstein		360			
936.9998.003	121	Hinkel	0.48				
012.04.21.07.007.000	147	Kietzke	0.38				
012.04.21.06.007.000	155	Kochnowicz	1.30				
938.9999.004	110	Kopp			0.16		
012.04.21.06.059.004	177	Krause	0.49				
941.9985.000	20	Latus	0.36				
941.9997.000	42	Mateicka, Sr.		370			
010.04.20.01.001.000	17	Olson	0.32	340			0.48
940.9989.000	50	Penn	0.97				
012.04.21.05.002.000	102	Perdzeck		260	0.22		
938.9998.000	103	Presser			0.61**		
010.04.20.01.013.000	53	Sanford	0.37				
012.04.21.05.019.000	146	Seager	0.37	250	0.37		
012.04.21.06.025.000	807	Van Eperen	0.48	250			
012.04.21.06.017.000	65	VandenBoom	0.51	260	0.74**		
935.9999.009	808	Woelbing				0.20	

** Above the LOQ

2006 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	CHCl₃ (mg/L)
985.9997.003	355	Acker	1.40			
012.04.21.05.010.000	149	Arnold		340		0.16
012.04.21.06.012.100	294	Bayer	0.42	260		
012.04.21.07.011.000	5	Bedalov	0.36	260		
012.04.21.06.059.016	125	Blazek		270		
012.04.21.07.008.000	72	Carlson	0.55			
012.04.21.06.010.020	13	Carriveau		360		
940.9997.000	14	Couillard	0.35			
985.9994.002	94	Drzewieki,				0.33
012.04.21.06.042.000	89	Gardner	0.36	300		
012.04.21.06.008.000	24	Gellings	0.74	270		
012.04.21.06.044.000	6	Hill		330		
941.9982.000	38	Lange	0.62			
939.9998.001	165	Millin	0.62			
012.04.21.06.066.000	48	Olson	0.30	370		
940.9989.000	50	Penn	0.37		2.7**	
012.04.21.05.002.000	102	Perdzock		270	0.25	
012.04.21.06.013.000	86	Thiessenhusen	0.42			
012.04.21.06.017.000	65	VandenBoom	0.39			
935. 9999.009	808	Woelbing	1.50			
012.04.21.06.046.000	67	Worman	0.42	310		
012.04.21.06.032.000	80	Ziemer	1.30	250		

** Above the LOQ

2005 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	CH₃Cl (mg/L)	CHCl₃ (mg/L)	C₆H₅CH₃ (mg/L)
012.04.21.07.018.000	119	Anderson	0.31					
012.04.21.05.010.000	149	Arnold	0.33	340				
010.04.20.01.026.000	12	Bruhn		260				
987.9997.002	167	Coblentz	0.43	310				
012.04.21.06.048.000	46	Fleming, Sr.		320				
012.04.21.06.004.000	803	Gellings	0.46	280				
939.9999.000	138	Grandlich	0.97					
012.04.21.07.002.000	28	Hebron	0.36					
012.04.21.06.021.00	73	Heritz	0.48					
938.9999.004	110	Kopp	0.31		0.18			0.19
012.04.21.06.035.000	7	Ludke	0.31					
939.9995.000	722	Machulak	0.81					
012.04.21.06.060.000	81	Meyer	0.57	270				
939.9996.005	165	Millin	0.55				1.2**	
012.04.21.06.042.010	88	Nowag	0.71	390				
989.9998.003	3	Schill						
012.04.21.07.019.000	76	Schingeck	0.56					
012.04.21.05.019.000	146	Seager	0.53	250	0.37			
012.04.21.05.024.000	105	Sinda		310				
944.9999.002	782	Stanisz				0.19		
012.04.21.06.025.000	807	Van Eperen		260				
012.04.21.06.019.000	78	VandenBoom	0.36	250	0.16			

** Above the LOQ

2004 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	C₆H₅CH₃ (mg/L)
939.9996.006	91	Berndt	0.42			
012.04.21.07.010.00	8	Block	0.35	260		
010.04.20.01.001.000	16	DeBack	0.46	300		
892.9991.000	214	Diekow	1			
012.04.21.06.048.000	46	Fleming, Sr.		300		
012.04.21.06.008.000	24	Gellings		250		0.16
012.04.21.06.003.000	25	Gellings		250		
012.04.21.05.021.000	26	Gellings	0.35			
012.04.21.06.044.000	6	Hill		330		
012.04.21.06.042.010	88	Nowag	0.34	370		
012.04.21.06.037.000	49	Olson	0.52		0.94**	
940.9989.000	50	Penn	0.35		0.93**	
938.9999.006	716	Werther			0.27	

** Above the LOQ

2003 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)
985.9996.000	117	Acker	1		
012.04.21.07.018.000	119	Anderson	0.33		
942.9998.000	69	Balisteri	0.32		0.87**
012.04.21.06.010.020	13	Carriveau		390	
012.04.21.05.007.000	131	Drewitz	0.36	250	
985.9999.000	135	Fredrickson	0.68	310	
938.9992.000	705	Immekus	0.51		
012.04.21.07.007.000	147	Kietzke	0.51		
012.04.21.06.059.004	177	Krause	0.55	270	
941.9985.000	20	Latus	0.31		
941.9997.000	42	Mateicka, Sr.	0.53	320	
012.04.21.07.006.000	100	Mathews			0.44
939.9996.005	165	Millin	0.49		
012.04.21.06.066.000	48	Olson	0.34	320	
012.04.21.05.002.000	102	Perdzock			0.38
010.04.20.01.013.000	53	Sandford	0.35		
Surface Water			0.31		
012.04.21.05.005.000	109	Vretenar		360	
935.9999.009	808	Woelbing	6.1		
012.04.21.06.046.000	67	Worman	0.33	270	
012.04.21.06.032.000	80	Ziemer	2.9		

** Above the LOQ

2002 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	CHCl₃ (mg/L)
012.04.21.07.011.000	5	Bedalov	0.43	260		
012.04.21.06.059.016	125	Blazek		260		
012.04.21.07.010.000	8	Block		280		
987.9997.002	167	Coblentz	0.95	370		0.75
012.04.21.06.008.000	24	Gellings	0.62	270		
012.04.21.06.003.000	25	Gellings		270		
012.04.21.06.062.000	141	Hackstein		360		
012.04.21.06.021.000	73	Heritz	1.2			
010.04.20.01.004.000	30	Hintz	0.35	250		
Unknown	Unknown	Kolp		350		
012.04.21.06.035.000	7	Ludke	0.3			
940.9989.000	50	Penn			2.8**	
012.04.21.06.042.010	88	Nowag		340		
012.04.21.06.041.000	55	Schemeit	0.65			
012.04.21.07.019.000	76	Schingeck	0.38			
012.04.21.06.055.000	82	Swenson	0.87			
012.04.21.06.017.000	65	VandenBoom	0.41			
012.04.21.06.019.000	78	VandenBoom	0.51		0.33	
012.04.21.05.005.000	109	Vretenar		390		
938.9997.000	98	Whipple			0.25	
012.04.21.06.013.000	86	Williams	0.52	250		
012.04.21.05.022.000	68	Zamecnik	0.45			

** Above the LOQ

2001 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)
012.04.21.06.019.000	78	VandenBoom			0.33
012.04.21.07.016.000	35	Janikowski			0.36
012.04.21.06.030.000	62	Stroud	0.47		
012.04.21.06.064.000	45	Metz	0.32	250	
941.9997.000	42	Mateicka, Sr.	0.39	350	
941.9982.000	745	Lange	0.62		
012.04.21.05.021.000	26	Gellings	0.58		
012.04.21.06.042.000	89	Gardner	0.48	290	
012.04.21.06.048.000	46	Fleming	0.33	300	
010.04.20.01.031.000	1	Abramowski		260	

** Above the LOQ

2000 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	CH₃Cl (mg/L)	C₈H₁₀ (mg/L)	C₉H₁₂ (mg/L)
985.9996.000	117	Acker	3.2					
012.04.21.07.018.000	119	Anderson	0.49					
942.9998.000	69	Balisteri			0.56**			
939.9996.006	91	Berndt	0.47					
012.04.21.06.059.016	125	Blazek	0.35	250				
010.04.20.01.001.000	16	DeBack		280	0.13			
985.9999.000	135	Fredrickson	0.53	300				
012.04.21.06.042.000	89	Gardner	0.59	290				
012.04.21.06.004.000	803	Gellings	0.49	260				
939.9999.000	138	Grandlich	0.35					
012.04.21.06.042.000	140	Haasch		270				
936.9997.000	95	Hinkel	0.34					
010.04.20.01.031.000	1	Abramowski			0.25			
Unknown	Unknown	Kolp	0.31	300				
941.9997.000	42	Mateicka, Sr.	0.39	340				
010.04.20.01.020.000	44	Mente	0.99					
939.9996.005	165	Millin	0.47					0.27
012.04.21.06.037.000	49	Olson	0.52		0.92**			
012.04.21.06.066.000	48	Olson	0.79	300				
012.04.21.05.002.000	102	Perdzock		260	0.33			
012.04.21.06.069.000	192	Prodoehl	0.37	420			0.12	
935.9994.002	114	Rynders						
944.9998.000	107	Stick	0.36					
Surface Water			1.7					
938.9999.005	181	Tomczak	0.54					
012.04.21.06.019.000	78	VandenBoom	0.59			0.29		
938.9997.000	98	Whipple	0.36		0.51			

** Above the LOQ

1999 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	CHCl₃ (mg/L)	C₆H₅CH₃ (mg/L)
010.04.20.01.001.000	90	Alex	1.7		0.44		
942.9998.000	69	Balisteri			0.32		
012.04.21.06.027.000	4	Barbian	9.2				
01204.21.07.011.000	5	Bedalov	0.37				
939.9996.006	91	Berndt	0.37				0.13
012.04.21.07.010.00	8	Block	0.51				
012.04.21.06.043.000	93	Buncich	0.42				
940.9997.000	14	Couillard	0.33				
010.04.20.01.001.000	16	DeBack	0.3				
010.04.20.01.005.000	70	Gaffney	0.37				
012.04.21.06.003.000	25	Gellings	1.2				
012.04.21.06.031.000	27	Harris	0.32				
012.04.21.06.021.00	73	Heritz	0.43				
936.9997.000	95	Hinkel	0.38				
012.04.21.06.013.000	86	Hubbard	0.46				
012.04.21.06.057.000	809	Jorgenson	0.51				
010.04.20.01.031.000	1	Abramowski			0.22		
938.9999.004	110	Kopp	0.42				
941.9982.000	38	Lange	0.36				
012.04.21.06.038.000	63	Langfeldt	0.5				
941.9997.000	42	Mateicka, Sr.	0.35				
012.04.21.06.066.000	48	Olson	0.32				

** Above the LOQ

1999 Residential Well Samples Exceeding Constituent LOD – Cont.

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	CHCl₃ (mg/L)	C₆H₅CH₃ (mg/L)
012.04.21.06.037.000	49	Olson	0.44		0.44		
940.9989.000	50	Penn	1.3		0.7**		
012.04.21.05.002.000	102	Perdzock			0.29		
010.04.20.01.013.000	53	Sandford	0.45				
012.04.21.05.009.000	104	Savenac	0.5				
012.04.21.07.019.000	76	Schingeck	0.41				
012.04.21.06.040.000	56	Schmid	0.36				
944.9998.000	107	Stick				0.26	0.2
Trip Blank							
012.04.21.06.019.000	78	VandenBoom	0.59				
938.9997.000	98	Whipple			0.35		
935.9999.009	808	Woelbing	0.88				
012.04.21.05.022.000	68	Zamecnik					0.13

1998 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)
940.9997.000	14	Couillard	0.36		
892.9991.000	214	Diekow	0.78		
012.04.21.06.008.000	24	Gellings	0.72		
012.04.21.06.003.000	25	Gellings	0.35		
012.04.21.06.057.000	809	Jorgenson	0.4	250	
010.04.20.01.031.000	1	Abramowski			0.27
012.04.21.06.066.000	48	Olson	1.2	250	
012.04.21.06.037.000	49	Olson	0.37		

** Above the LOQ

1997 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)	CH₃CCl₃ (mg/L)
012.04.21.07.016.000	35	Janikowski	0.38		0.094	
941.9996.000	39	Losey	0.3			0.06
010.04.20.01.020.000	44	Mente	1		0.13	
012.04.21.07.017.000	40	Zirzow			0.25	

1996 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	Fe (mg/L)	SO₄ (mg/L)	CCl₂F₂ (mg/L)
012.04.21.06.010.020	13	Carriveau		270	
012.04.21.06.048.000	46	Fleming, Sr.		280	
010.04.20.01.005.000	70	Gaffney	0.3		
941.9997.000	42	Mateicka, Sr.	0.52	310	0.16
010.04.20.01.003.000	87	Meyers	0.49		
012.04.21.06.046.000	67	Worman		260	

** Above the LOQ