

**2021 Annual Residential Well Sampling Report**  
Project No: 1036-10081

**Prepared For:**  
Franklin Waste Facility Monitoring Committee

**Prepared By:**

**JSA Environmental**

**WHAT WE DO TODAY TOUCHES SEVEN GENERATIONS.**



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 undergo 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 directly, allowing the Franklin WFMC to analyze the results and generate a report.

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.; now JSA Environmental, Inc. (JSA). JSA has maintained the contract since 2006.

This year, 2021, the Franklin WFMC again appointed Davy Laboratories<sup>1</sup> to perform the sampling and testing of the 35 wells. Davy had been selected the previous seven 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 2021 contract by reviewing the findings from the August 27<sup>th</sup> of 2021 results of testing the 34 residential wells, sampled on July 27<sup>th</sup> & 28<sup>th</sup> of 2021. 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 2021. One well, the Siblings well, did not have a functional pump during the sampling period and therefore was not sampled or tested.

On November 4, 2021; 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- 2021 Residential Well Sampling, Table 2 – Historic Sampling Summary, Table 3 – 2021 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.

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<sup>1</sup> Davy Laboratories, 115 Sixth Street, P.O. Box 2076, Lacrosse, WI 54602-2076

## **Wells Sampled**

In June 2021, JSA made recommendations to the Franklin WFMC for the selection of the 35 residential wells for the 2021 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 2020 Annual Residential Well Sampling Report. Not all wells selected were sampled in 2021, the Siblings well, did not have a functioning pump and could not be sampled or tested. No new wells were sampled in 2021, but thirteen (13) wells had not been sampled since 2014 or earlier. Well sampling frequency was focused on newer wells and wells that had had limited sampling to date. The Waste Facility is in ownership of the properties immediately adjacent to the property on the East side of 112<sup>th</sup> Street and the South side of Oakwood Road, this has removed those wells from the “Residential Well Sampling Program”. 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 27<sup>th</sup> & 28<sup>th</sup> of 2021. The locations are marked on MAP 1 of the report, Sampling Number 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
  - Pure water does not conduct electricity, for conductance to exist the water must contain ionic compounds(salts). Groundwater is not “pure” and should have an established conductance from sampling history. 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 is the measure of relative clarity of a liquid. It is an optical characteristic of water and is a measurement of the amount of light that is scattered by material in the water

when a light is shined through the water sample. Turbidity is 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 2017 the US EPA updated the Federal Primary Drinking Water Standards Maximum Contaminant Level (MCL) for some 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 2021 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 Limit of Detection (LOD), this is the third year without “detections” or “hits”. This outcome is referred to as a “clean run”.

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 2020 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(FSDWS)**

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 2021 Well Samples are predominantly consistent with the Well Sampling history and with the groundwater constituents of Southeastern Wisconsin.

Of the constituents measured under the Federal Secondary Drinking Water Standards, Iron (Fe) and Sulfate (SO<sub>4</sub>) are detected in excess. Thirteen (13)<sup>2</sup> wells had Iron concentrations higher than 0.30 milligrams per liter (mg/L) and five (5)<sup>3</sup> wells had Sulfate concentrations equal to or greater than 250 mg/L. Two wells<sup>4</sup> were much higher than the FSDWS for Iron, with the lack of other indicators in the groundwater, this suggests that the casing and/or supportive plumbing may be breaking down and releasing iron into the water. There is no indication to suggest that the other FSDWS exceedances are anything other than naturally occurring and have been consistent over more than 15 years of sampling and testing.

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2 See Table 3 Results Fe+

3 See Table 3 Results SO<sub>4</sub>

4 Kenny and Stich wells; Stich well was one of the three extreme exceedances for Iron in 2019

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 area. In 2021 there were no extreme exceedances of Sulfate.

### **Trending**

The 2020 Well Sampling results, consistent with the 2019 and prior results, continue to support that there is no current trending with respect to Federal Primary Drinking Water Standards. The detection of Dichlorodifluoromethane occurred in several wells between 1997 and 2013, there have been no detects since 2013. Dichlorodifluoromethane is now a banned substance, since 1996, and its presence has been attributed to poor sampling locations at the subject properties.

Dichlorodifluoromethane is not present in the Waste Facility leachate.

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. Only four (4) wells had concentrations of Sulfate in excess of the FSDWS this year, these exceedances are minor and historic. Except for three wells, the exceedances of Iron are minor and historic. The historic values of testing for these wells suggest that the well and/or water supply system are deteriorating; it does not rule out the possibility that the supplying aquifer is iron rich. The concentration of iron should be impacting the appearance, taste, and possibly odor of the water supply.

### **Conclusions**

The 2021 Well Sampling Laboratory Results yielded no detection of any constituents sampled for under the Federal Primary Drinking Water Standards. 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, exceedances were found in Iron and Sulfate concentrations; but do not pose a threat to public health and are consistent with previous sampling events.

### **Recommendations**

JSA recommends that sampling for the 2022 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 92<sup>nd</sup> Street should be viewed as “adjacent” to the Facility and a focus for future sampling, as recommended in 2016.

JSA does not recommend any specific well to be sampled in 2022.

**Franklin Waste Facility Monitoring Committee**  
**2021 Well Monitoring Report**

**Table 1**                    **2021 Residential Well Sampling**

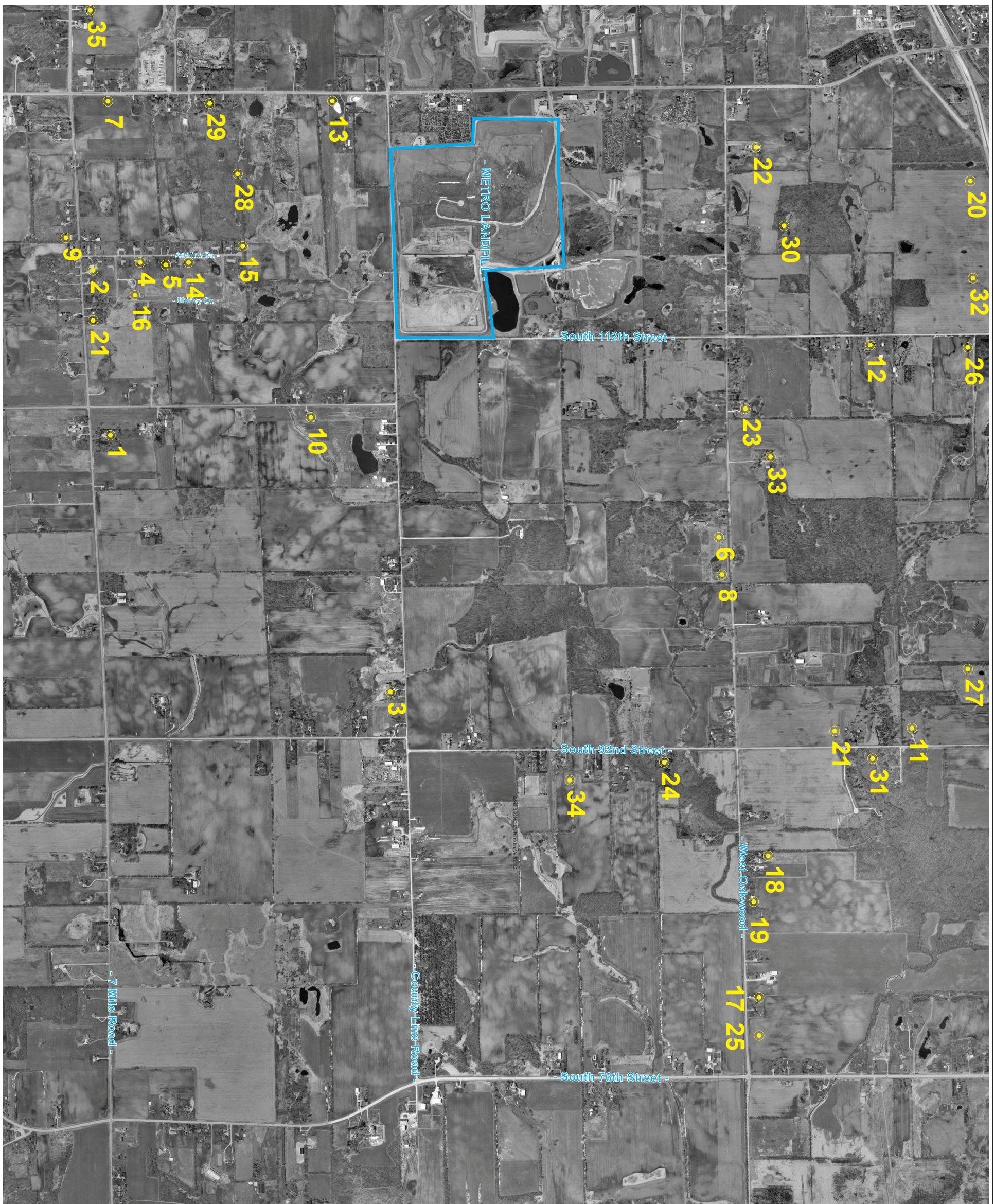
<b><u>Owner</u></b>	<b><u>Address</u></b>	<b><u>Tax ID</u></b>	<b><u>Site #</u></b>	<b><u>Last</u></b>
Bill Zamecnik	10614 7 Mile Road, Franksville, WI 53126	012.04.21.05.022.000	1	2018
Rick & Deanne Chiapete	11287 7.1/8 Mile Road, Franksville, WI 53126	012.04.21.06.057.000	2	2019
Robert Lions	9375 W. 8 Mile Road, Franksville, WI 53126	012.04.21.05.010.000	3	2009
Dale/Linda Meyer	660 Adeline Drive, Franksville, WI 53126	012.04.21.06.060.000	4	2018
Diane & Kay Hackstein	626 Adeline Drive, Franksville, WI 53126	012.04.21.06.062.000	5	2017
Anthony & Anne Kraus	10233 W Oakwood Rd, Franklin, WI 53132	942.0004.000	6	2013
Eve Spanic Gale Parsons	8108 Raynor Avenue, Franksville, WI 53126	010.04.20.01.027.000	7	2020
Jack & Roseanne Liebl	10155 W Oakwood Rd, Franklin, WI 53132	942.0002.000	8	2012
Gary Vanden Boom	11507 W. 7 Mile Road, Franksville, WI 53126	012.04.21.07.005.000	9	2018
William & Lynn Theys	312 S. 108th Street, Franksville, WI 53126	168.04.21.05.016.010	10	2002
Gregory T Weber	9865 S. 92nd Street, Franklin, WI 53132	894.9997.001	11	2019
James & Jean Langenohl	9970 S. 112th Street, Franklin, WI 53132	938.9988.008	12	2018
James & Cheryl Bayer	272 Raynor Avenue, Franksville, WI 53126	012.04.21.06.012.100	13	2020
Jon & Barbara Olson	612 Adeline Drive, Franksville, WI 53126	012.04.21.06.066.000	14	2014
Tom & Lisa Harris	449 Adeline Drive, Franksville, WI 53126	012.04.21.06.031.000	15	2014
Joseph & Sandra Blazek	11410 W. 7 1/8 Mile Road, Franksville, WI 53126	012.04.21.06.059.016	16	2018
Edward & W Konopka	7930 W. Oakwood Road, Franklin, WI 53132	934.9997.000	17	2019
Thomas & Cris Gaulke	8674 W. Oakwood Road, Franklin, WI 53132	935.9994.004	18	2019
Marvin Wolff	8502 W. Oakwood Road, Franklin, WI 53132	934.9999.000	19	2014
Michael & Mary MacDonald	11555 W. Loomis Road, Franklin, WI 53132	892.9996.000	20	2020
Donald & Pauline Acker	10023 S 92 <sup>nd</sup> Street, Franklin, WI 53132	936.9996.000	21	2013
Preston Ludtke	11230 W. 7 Mile Road, Franksville, WI 53126	012.04.21.06.035.000	22	2018
** David Millin & Siblings	12026 W. Oakwood Road, Franklin, WI 53132	939.9996.005	23	2014
Daniel Vogt & Joseph Slieff	10456 S. 92nd Street, Franklin, WI 53132	944.9996.000	24	2018
Richard & W Schweitzer	7912 W. Oakwood Road, Franklin, WI 53132	934.9992.004	25	2014
Robert D Diedrich	11111 W. Ryan Road, Franklin, WI 53132	892.9991.000	26	2019
Leo & Allison Turdo	9645 W Ryan Road, Franklin, WI 53132	894.9998.001	27	2019
Ronald & Carole Gillette	550 124th Street, Franksville, WI 53126	012.04.21.06.018.000	28	2010
Ronald Vandenboom	524 Hwy 45 (Raynor Ave), Franksville, WI 53126	012.04.21.06.019.000	29	2018
Ruth M. Grandlich	11722 W. Oakwood Road, Franklin, WI 53132	939.9999.000	30	2020
Dean & Patricia Schultz	9930 S. 92nd Street, Franklin, WI 53132	935.9998.000	31	2020
Chad & Karyn Zolecki	11736 W. Loomis Rd, Franklin, WI 53132	891.9991.000	32	2018
John & Stephanie Sosa	10534 W. Oakwood Road, Franklin, WI 53132	937.9999.003	33	2019
Angela Peterson	10728 S 92 <sup>nd</sup> Street, Franklin, WI 53132	985.9993.003	34	2013
Le Roy & Ardith A. Revolinsk	21606 7 Mile Road, Franksville, WI 53126	012.04.21.06.028.000	35	2013

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Franklin Waste Facility Monitoring Committee  
2021 Well Monitoring Report

Map 1  
2021 residential Well Sampling Locations  
(Located by Sample ID)

Well Sampling  
Locations



**Franklin Waste Facility Monitoring Committee**  
**2021 Well Monitoring Report**

**Table 2**  
**Historical Sampling Summary**

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	2017	2018	2019	2020	2021			
1	Harold Abramowski	8808 Raynor Avenue	Franksville, WI 53126	010.04.20.01.031.000	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			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			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			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	Kenneth Bosch	10923 7 Mile Rd.	Hales Corners, WI 53130	012.04.21.07.001.000	X						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			X					
13	Marcia Knollenberg	216.218 Highway 45	Franksville, WI 53126	012.04.21.06.010.020	X			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. Dickow	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							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						X	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			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	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								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																	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	Rick & Deanna Chiapete	11287 7 1/8 Mile Rd.	Franksville WI 53126	012.04.21.06.057.000																X	X		X			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			X			X			X			
36	Joseph & Joyce L. Knox	11536 7 Mile Rd.	Franksville, WI 53																																	

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	2017	2018	2019	2020	2021
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	Jon & Barbara Olson	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	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								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	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			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		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																	
65	Gary Vanden Boom	11507 7 Mile Rd.	Franksville, WI 53126	012.04.21.07.005.000	X						X			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		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		X		X		X		X		
69	Faro R & Florence Balisteri	10623 W. Oakwood Rd.	Franklin, WI 53132	942.9998.000	X						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		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		X		X		X		
74	Jeffrey & Penny Hill	653 Adeline Dr.	Franksville, WI 53126	012.04.21.06.044.000	X					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				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			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	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		X															
81	Dale/Linda Meyer	660 Adeline Dr.	Franksville, WI 53126	012.04.21.06.060.000		X					X			X					X						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				X												
83	William Schittinger	10341 S. 92nd St.	Franklin, WI 53132	943.9997.010		X					X			X		X	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				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					X										
89	Lisa Gardner	664 Shirley Dr.	Franksville, WI 53126	012.04.21.06.042.000				X					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		X		X
92	James Bonney	10146 S. 124th St.	Franklin, WI 53132	939.9996.002							X												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		X		X	
94	James Dziewiecki	10780 S. 92nd St.	Franklin, WI 53132	985.9994.002							X	X			X		X			X			X			X			X		X	X	
95	William K & Rose Hinkel	9612 W. Oakwood Rd.																															

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	2017	2018	2019	2020	2021
101	Mayer, S	11100 W. Oakwood Rd.	Franklin, WI 53132	938.9999.009						X			X																				
102	Clyde\Barb Perdzock	9223 8 Mile Rd.	Franksville, WI 53126	012.04.21.05.002.000						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			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		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		X		X				
108	William Theys	312 S. 108th St.	Franklin, WI 53132	168.04.21.05.016.010						X		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		X					
111	Donald & W Woelbing	8910 W. Bosch Ln.	Franklin, WI 53132	935.9995.000						X			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					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		X		X		X				
115	Thomas & Chris Gaulke	8674 W. Oakwood Rd.	Franklin, WI 53132	935.9994.004											X		X			X			X		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	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	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			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 Carriereau	216 Highway 45	Franksville, WI 53126	012.04.21.06.010.010												X			X		X	X			X					X			
131	Frank & Rafaela Rodriguez	10653 S. 76th St.	Franklin, WI 53132	945.9999.000												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			X		X			
135	Scott S. & Diana Fredrickson	8432 W. County Line Rd.	Franksville, WI 53126	985.9999.000						X		X				X	X				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		X		X		X		X			
140	Shirley Haasch	6614 Channel Rd.	Waterford, WI 53185	012.04.21.06.042.000						X					X			X															
141	Diane & Kay Hackstein	626.628 Adeline Dr.	Franksville, WI 53126	012.04.21.06.062.000									X				X	X			X			X			X		X				
142	Mark W. Hagert	10820 S. 92nd St.	Franklin, WI 53132	985.9995.001							X				X			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			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	X		X										
149	Robert Lions	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		X	X		X				
165	Robert Millin & Rachel Siblings	12026 W. Oakwood Rd.	Franklin, WI 53132	939.9996.005									X		X	X	X			X										X!			
167	Joanne R. & Coblenz 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																													



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	2017	2018	2019	2020	2021
839	Jene M Gillette	610 Highway 45	Franksville, WI 53126	012.04.21.06.022.000																							X	X					
840	Nancy P Meinerz	7709 W. Ryan Road	Franklin, WI 53132	930 9997.003																							X	X					
841	Mary Loumann	407 92 <sup>nd</sup> Street	Franklin, WI 53132	012.04.21.05.001.000																							X						

**Franklin Waste Facility Monitoring Committee**  
**2021 Well Monitoring Report**

**Table 3      2021 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>
012.04.21.05.022.000	Zamecnik	1	0.339		0.300	
012.04.21.06.057.000	Chiapete	2	0.312		0.300	
012.04.21.05.010.000	Lions	3				307
012.04.21.06.060.000	Meyer	4	0.362		0.300	
012.04.21.06.062.000	Hackstein	5				335
010.04.20.01.027.000	Parsons	7	0.932		0.300	
942 0002 000	Liebl	8	0.405		0.300	
168.04.21.05.016.010	Theys	10	0.402		0.300	265
012.04.21.06.012.100	Bayer	13	0.347		0.300	250
012.04.21.06.066.000	Olson	14	1.17		0.300	322
936.9996.000	Acker	21	1.37		0.300	
894.9998.001	Turdo	27	0.947		0.300	
012.04.21.06.018.000	Gillette	28	2.06		0.300	
012.04.21.06.019.000	Vandenboom	29	0.862		0.300	
935.9998.000	Schultz	31	0.328		0.300	

**Franklin Waste Facility Monitoring Committee**  
**2021 Well Monitoring Report**

**Table 4      Historic Residential Well Samples Exceeding Constituent LOD**

**Legend**

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

\*\* Above the LOQ

## 2019 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	Fe (mg/L)	SO <sub>4</sub> (mg/L)
012.04.10.06.007.000	Kochnowich	1.160	
942.0002.000	Lieble	0.476	
012.04.21.06.013.000	Thiesenhausen	0.692	
894.9998.000	Turdo	0.524	
012.04.21.05.001.000	Laumann	278	
899.9990.052	Cherek	0.379	
012.04.21.05.013.000	Schultz		307
935.9994.004	Gaulke	0.349	
012.04.21.07.018.000	Anderson	0.375	
892.9994.000	Magarich	0.811	
012.04.21.05.024.000	Sinda	252	
944.9998.000	Stich	1.260	
938.9999.005	Sumiejski	0.490	
894.9997.001	Weber	0.309	
012.04.21.05.005.000	Vretenar	0.331	351

\*\* Above the LOQ

## 2018 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	<b>Fe</b>	<b>SO<sub>4</sub></b>
		(mg/L)	(mg/L)
985.9997.003	Acker	1.800	
939.9999.000	Grandlich	0.364	
012.04.21.06.062.000	Hackstein		306
Raymond, WI 53126	Kochnowicz	0.339	
012.04.21.06.010.020	Knollenberg		257
012.04.21.06.035.000	Riehle	0.340	
012.04.21.06.013.000	Thiessenhusen	0.440	
939.9996.002	Bonney	0.324	
899.9990.052	Cherek	1.810	
938.9993.000	Delemont	0.303	
944.9996.000	Kleman	0.314	
012.04.21.06.019.000	VandenBoom	0.676	

\*\* Above the LOQ

## 2017 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)
899.9990.052	Cherek	0.396	
940.9997.000	Couillard	0.318	
892.9991.000	Deidrich	0.512	
012.04.21.06.065.000	Fredrickson		275
985.9999.000	Gellings	0.377	325
938.9999.004	Kopp	0.476	
941.9983.000	Lange	0.547	
942.0002.000	Liebl	0.525	
939.9995.000	Machulak	0.593	
892.9994.000	Magarich	0.383	
012.04.21.06.058.000	Mateika, Jr.		332
012.04.21.06.054.000	Mateicka Sr.		373
012.04.21.05.002.000	Perdzock		264
012.04.21.05.024.000	Sinda		306
012.04.21.06.030.000	Stroud	0.423	
010.04.20.01.013.000	Sanford	0.333	
012.04.21.05.013.000	Schultz		366
894.9997.001	Weber	0.339	

\*\* Above the LOQ

## 2016 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	Fe (mg/L)	SO <sub>4</sub> (mg/L)
985.9996.000	Acker	2.380	
939.9996.002	Bonney	0.424	
935.9995.000	Rybacki	0.526	
892 9991.000	Diedrich	0.346	
012.04.21.05.021.006	Gellings	253	
120.42.10.60.210.000	Heritz	0.579	
012.04.21.06.007.000	Kochnowicz	0.410	
012.04.21.06.059.000	Kraus	0.366	
012.04.21.06.035.000	Ludke	0.302	
012.04.21.05.010.000	Perdzeck	284	
012.04.21.05.019.000	Seager	0.553	253
012.04.21.06.013.000	Thiessenhusen	0.405	614
894.9998.000	Tundo	0.408	
012.04.21.06.019.000	Vander Boom	0.418	
012.04.21.05.005.000	Vretenar	414	
012.04.21.06.046.000	Worman	281	
012.04.21.07.017.000	Zirzow	0.355	

\*\* Above the LOQ

## 2015 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	Fe	SO <sub>4</sub>
		(mg/L)	(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>	<b>Fe</b> (mg/L)	<b>SO<sub>4</sub></b> (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
012.04.21.06.057.000	Chiapete		252

\*\* Above the LOQ

### 2013 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	Fe (mg/L)	SO <sub>4</sub> (mg/L)	CCl <sub>2</sub> F <sub>2</sub> (µg/L)	C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> (µg/L)	TCE (µg/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>	Fe (mg/L)	SO <sub>4</sub> (mg/L)	CHCl <sub>3</sub> (μg/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		
938.9999.004	Kopp			0.358
012.04.21.06.059.004	Krause	0.416		
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		
012.04.21.06.013.000	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		
899.9990.052	Woelbing	1.120		
935.9994.006	Wolff	0.378		

\*\* Above the LOQ

### 2011 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Owner</u>	Fe (mg/L)	SO <sub>4</sub> (mg/L)	CCl <sub>2</sub> F <sub>2</sub> (µg/L)	CHBrCl <sub>2</sub> (µg/L)	CHCl <sub>3</sub> (µg/L)	CHBr <sub>2</sub> Cl (µg/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			
985.9995.001	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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> (μg/L)
012.04.21.07.018.000	119	Anderson	0.488		
	940.9997.000	Couillard	0.59		
	939.9999.000	Grandlich	0.31		
012.04.21.06.007.000	155	Kochnowicz	0.93		
	941.9983.000	Lange	0.668		
	941.9996.000	Losey	1.43		
	892.9994.000	Magarich	0.37		
010.04.20.01.020.000	43	Mente	0.714		
	939.9996.005	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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CHBrCl<sub>2</sub></u> ( $\mu$ g/L)	<u>CHCl<sub>3</sub></u> ( $\mu$ g/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>	<b>Fe</b> (mg/L)	<b>SO<sub>4</sub></b> (mg/L)	<b>CCl<sub>2</sub>F<sub>2</sub></b> (µg/L)	<b>CH<sub>3</sub>Cl</b> (µg/L)	<b>C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub></b> (µg/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>	<b>Fe</b> (mg/L)	<b>SO<sub>4</sub></b> (mg/L)	<b>CCl<sub>2</sub>F<sub>2</sub></b> (µg/L)	<b>C<sub>8</sub>H<sub>8</sub></b> (µg/L)	<b>C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub></b> (µg/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/L)	<u>CHCl<sub>3</sub></u> ( $\mu$ g/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/L)	<u>CH<sub>3</sub>Cl</u> ( $\mu$ g/L)	<u>CHCl<sub>3</sub></u> ( $\mu$ g/L)	<u>C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub></u> ( $\mu$ g/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/L)	<u>C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub></u> ( $\mu$ g/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/L)	<u>CHCl<sub>3</sub></u> ( $\mu$ g/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> (µg/L)	<u>CH<sub>3</sub>Cl</u> (mg/L)	<u>C<sub>8</sub>H<sub>10</sub></u> (µg/L)	<u>C<sub>9</sub>H<sub>12</sub></u> (µg/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/L)	<u>CHCl<sub>3</sub></u> ( $\mu$ g/L)	<u>C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub></u> ( $\mu$ g/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/L)	<u>CHCl<sub>3</sub></u> ( $\mu$ g/L)	<u>C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub></u> ( $\mu$ g/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/L)	<u>CH<sub>3</sub>CCl<sub>3</sub></u> ( $\mu$ g/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>	<u>Fe</u> (mg/L)	<u>SO<sub>4</sub></u> (mg/L)	<u>CCl<sub>2</sub>F<sub>2</sub></u> ( $\mu$ g/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

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\*\* Above the LOQ

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\*\* Above the LOQ