TW-1	bailer	Low-Flow
	7/16/18	8/20/18
1,1-DCA	**6.6**	**4.9**
cis-1,2-DCE	**101**	**80.5**
trans-1,2-DCE	**7.3**	**5.8**
PCE	**49.8**	**61.4**
TCE	**60.3**	**51.7**
Vinyl Chloride	**0.38 J**	<0.17

TW-10	6/5/20
CVOCs	ND

MW-25	6/28/17	8/31/17	7/1/20
1,1-DCA	**3.3**	**3.7**	NA
cis-1,2-DCE	**63.9**	**76.5**	**25.9**
trans-1,2-DCE	**6.1**	**5.3**	**1.58**
TCE	**0.34 J**	<0.33	<0.47
Vinyl Chloride	**22.5**	**16.7**	**11.4**

MW-26/26R	6/28/17	8/31/17	7/1/20
cis-1,2-DCE	**8.4**	**6.4 J**	**8.3**
trans-1,2-DCE	**1.3**	<2.6	**0.82 J**
MC	<0.23	**4.4 J**	NA
Vinyl Chloride	**0.45 J**	<1.8	<0.2

MW-25A	6/28/17
CVOCs	ND

MW-26A	6/28/17
CVOCs	ND

MW-31	7/1/20
cis-1,2-DCE	**2.92**
trans-1,2-DCE	**0.57 J**

TW-11	6/5/20
CVOCs	ND

MW-17	8/31/17
CVOCs	ND

TW-5	bailer	Low-Flow
	7/16/18	8/20/18
Chloromethane	**4.1**	<2.2
1,1-DCA	**0.45 J**	**0.42 J**
PCE	<0.50	**2.1**

Manhole	4/5/17
PCE	**0.79 J**
TCE	**3.3**
cis-1,2-DCE	**21.4**
trans-1,2-DCE	**0.58 J**

TW-4	bailer	Low-Flow
	7/16/18	8/20/18
cis-1,2-DCE	<0.26	**0.53 J**
PCE	<0.50	**0.36 J**

MW-30A	6/28/17
CVOCs	ND

MW-30	6/28/17
CVOCs	ND

MW-20	6/28/17	8/31/17
cis-1,2-DCE	**0.77 J**	<2.6
MC	<0.23	**3.8 J**

MW-20C	6/28/17
CVOCs	ND

MW-20A	6/28/17
CVOCs	ND

MW-10R	8/31/17
CVOCs	ND

TW-3	bailer	Low-Flow
	7/16/18	8/20/18
Chloroethane	**0.58 J**	<1.3
Chloromethane	**8.0**	<2.2
1,1-DCA	**0.62 J**	**0.39 J**
cis-1,2-DCE	**0.61 J**	**0.28 J**
PCE	<0.5	**0.97 J**

Basement Sump	4/5/17
cis-1,2-DCE	**1.0**

MW-27B	6/28/17
CVOCs	ND

MW-27	6/28/17	8/31/17
Chloromethane	**0.84 J**	<0.50
cis-1,2-DCE	**0.45 J**	<0.26

MW-28	6/28/17	8/31/17
CVOCs	ND	ND

TW-6	bailer	Low-Flow
	7/16/18	8/20/18
Benzene	<5.0	**1.0 J**
1,1-DCA	**3.4 J**	**2.5 J**
cis-1,2-DCE	**1,470**	**1,200**
trans-1,2-DCE	**69.0**	**60.7**
TCE	**4.0 J**	**3.4 J**
Vinyl Chloride	**146**	**87.8**

TW-9	6/5/20
CVOCs	ND

TW-8	6/5/20
CVOCs	ND

MW-2	8/31/17
CVOCs	ND

MW-5	8/31/17
CVOCs	ND

TW-2	bailer	Low-Flow
	7/16/18	8/20/18
Chloromethane	**5.4**	<2.2
1,1-DCA	**1.3 J**	**1.2**
cis-1,2-DCE	**127**	**131**
trans-1,2-DCE	**13.3**	**12.8**
PCE	<1.2	**2.6**
TCE	**4.0**	**3.9**
Vinyl Chloride	**1.7 J**	**1.9**

MW-21A	6/28/17
CVOCs	ND

MW-29A	6/29/17
Chloromethane	**0.52 J**

MW-29	6/29/17
Chloromethane	**0.52 J**
1,1,1-TCA	**0.55 J**

MW-19C	6/29/17
Chloromethane	**2.1**

MW-19A	6/29/17
VOCs	ND

MW-21	6/28/17	8/31/17
1,1-DCA	**3.5 J**	**3.6 J**
cis-1,2-DCE	**456**	**547**
trans-1,2-DCE	**52.3**	**43.3**
TCE	**3.9 J**	**2.0 J**
Vinyl Chloride	**6.8**	**5.2**

MW-19/19R	6/29/17	8/31/17	6/30/20
Chloromethane	**0.55 J**	<0.50	NA
1,1-DCE	<0.24	**0.28 J**	NA
cis-1,2-DCE	**5.5**	**1.7**	**1.22**
trans-1,2-DCE	**0.55 J**	<0.26	<0.37
PCE	**28.5**	**1.3**	<0.33
1,1,1-TCA	**4.1**	**1.2**	NA
TCE	**5.7**	**0.82 J**	<0.47

TW-7	6/5/20
CVOCs	ND

MW-18	6/28/17	8/31/17
1,1-DCA	**0.57 J**	**0.52 J**
cis-1,2-DCE	**1.1**	**1.1**
TCE	**0.36 J**	**0.34 J**
Vinyl Chloride	**0.54 J**	**0.52 J**

MW-18A	6/28/17	8/31/17
1,1-DCA	**0.57 J**	**0.52 J**
cis-1,2-DCE	**1.1**	**1.1**
TCE	**0.36 J**	**0.34 J**
Vinyl Chloride	**0.54 J**	**0.52 J**

Luvata Appleton LLC
908 North Lawe Street

Former Appleton Wire Plating Machine

Former No. 1 Wire Plating Machine

Former Air Scrubber

Former Metal Finishing Machine

Former Transformer

Former Basement

Former Concrete

Former Asphalt

Former Grass

Former Gravel

Former Sidewalk

Former Residential

Former Hancock Street

Former Sidewalk

Former Residential

820 Residence

814 Residence

802 Residence

N

APPROXIMATE SCALE: 1" = 40'

Legend

- Property boundary
- Underground gas utility line
- Underground water utility line
- Underground sanitary utility line
- Fiber optics line
- Underground storm utility line
- Pipe chase
- French drain and associated piping
- Sump
- Floor drain
- Manhole
- MW-1 Monitoring well
- MW-5C Abandoned monitoring well
- Dairy tile floor

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
Chloromethane	**3**	**30**
1,1-DCA	**85**	**850**
cis-1,2-DCE	**7**	**70**
trans-1,2-DCE	**10**	**100**
PCE	**0.5**	**5**
1,1,1-TCA	**20**	**200**
TCE	**0.5**	**5**
Vinyl Chloride	**0.02**	**0.2**
MC	**0.5**	**5**

Note:

1. Bolded and orange shaded values exceed the Public Health Enforcement Standard
2. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
3. Bolded values are above detection limits
4. J = Analyte concentration less that laboratory detection limits
5. Samples analyzed using EPA SW-846 Method 8260
6. All results reported in units of micrograms per liter (µg/L)
7. PCE = Tetrachloroethene
8. TCE = Trichloroethene
9. 1,1-DCA = 1,1-Dichloroethane
10. cis-1,2-DCE = cis-1,2-Dichloroethene
11. trans-1,2-DCE = trans-1,2-Dichloroethene
12. 1,1,1-TCA = 1,1,1-Tichloroethane
13. MC = Methylene Chloride
14. CVOCs = Chlorinated Volatile Organic Compounds
15. ND = Not detected above laboratory detection limits
16. NA = Not analyzed

- MW-19 Water table observation well (with 10 foot screen length)
- MW-19A Piezometer (with 5 foot screen length set within the 30-40' depth interval)
- MW-1B Piezometer (with 5 foot screen length set within the 40-50' depth interval)
- Extent of CVOCs exceeding groundwater preventive action limits
- Extent of CVOCs exceeding groundwater enforcement standards

GROUNDWATER ISOCONCENTRATION - CVOCS

Former Appleton Wire
908 North Lawe Street
Appleton, Wisconsin

Date:	8/6/18
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6486-1158

ENVIROforensics
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure
B.3.b.1

Project
6486